



API Reference

# AWS B2B Data Interchange



# AWS B2B Data Interchange: API Reference

Copyright © 2026 Amazon Web Services, Inc. and/or its affiliates. All rights reserved.

Amazon's trademarks and trade dress may not be used in connection with any product or service that is not Amazon's, in any manner that is likely to cause confusion among customers, or in any manner that disparages or discredits Amazon. All other trademarks not owned by Amazon are the property of their respective owners, who may or may not be affiliated with, connected to, or sponsored by Amazon.

---

# Table of Contents

<b>Welcome</b> .....	<b>1</b>
New Features .....	2
EDI splitting .....	2
New partnership configurations .....	2
New EventBridge Events .....	3
<b>Actions</b> .....	<b>4</b>
CreateCapability .....	6
Request Syntax .....	6
Request Parameters .....	6
Response Syntax .....	8
Response Elements .....	8
Errors .....	9
Examples .....	12
See Also .....	13
CreatePartnership .....	15
Request Syntax .....	15
Request Parameters .....	15
Response Syntax .....	17
Response Elements .....	18
Errors .....	20
Examples .....	22
See Also .....	27
CreateProfile .....	28
Request Syntax .....	28
Request Parameters .....	28
Response Syntax .....	30
Response Elements .....	30
Errors .....	32
Examples .....	34
See Also .....	35
CreateStarterMappingTemplate .....	37
Request Syntax .....	37
Request Parameters .....	37
Response Syntax .....	38

---

Response Elements .....	38
Errors .....	38
See Also .....	40
CreateTransformer .....	41
Request Syntax .....	41
Request Parameters .....	43
Response Syntax .....	46
Response Elements .....	47
Errors .....	50
Examples .....	52
See Also .....	53
DeleteCapability .....	55
Request Syntax .....	55
Request Parameters .....	55
Response Elements .....	55
Errors .....	55
Examples .....	57
See Also .....	57
DeletePartnership .....	59
Request Syntax .....	59
Request Parameters .....	59
Response Elements .....	59
Errors .....	59
Examples .....	61
See Also .....	61
DeleteProfile .....	63
Request Syntax .....	63
Request Parameters .....	63
Response Elements .....	63
Errors .....	63
Examples .....	65
See Also .....	65
DeleteTransformer .....	67
Request Syntax .....	67
Request Parameters .....	67
Response Elements .....	67

---

Errors .....	67
Examples .....	69
See Also .....	69
GenerateMapping .....	71
Request Syntax .....	71
Request Parameters .....	71
Response Syntax .....	72
Response Elements .....	72
Errors .....	73
See Also .....	74
GetCapability .....	76
Request Syntax .....	76
Request Parameters .....	76
Response Syntax .....	76
Response Elements .....	77
Errors .....	78
Examples .....	80
See Also .....	81
GetPartnership .....	82
Request Syntax .....	82
Request Parameters .....	82
Response Syntax .....	82
Response Elements .....	83
Errors .....	85
Examples .....	87
See Also .....	87
GetProfile .....	89
Request Syntax .....	89
Request Parameters .....	89
Response Syntax .....	89
Response Elements .....	90
Errors .....	92
Examples .....	93
See Also .....	94
GetTransformer .....	95
Request Syntax .....	95

---

Request Parameters .....	95
Response Syntax .....	95
Response Elements .....	97
Errors .....	99
Examples .....	101
See Also .....	102
GetTransformerJob .....	103
Request Syntax .....	103
Request Parameters .....	103
Response Syntax .....	104
Response Elements .....	104
Errors .....	105
Examples .....	106
See Also .....	107
ListCapabilities .....	108
Request Syntax .....	108
Request Parameters .....	108
Response Syntax .....	109
Response Elements .....	109
Errors .....	109
Examples .....	111
See Also .....	111
ListPartnerships .....	113
Request Syntax .....	113
Request Parameters .....	113
Response Syntax .....	114
Response Elements .....	114
Errors .....	115
Examples .....	117
See Also .....	117
ListProfiles .....	119
Request Syntax .....	119
Request Parameters .....	119
Response Syntax .....	120
Response Elements .....	120
Errors .....	120

---

Examples .....	122
See Also .....	123
ListTagsForResource .....	124
Request Syntax .....	124
Request Parameters .....	124
Response Syntax .....	124
Response Elements .....	125
Errors .....	125
Examples .....	126
See Also .....	127
ListTransformers .....	128
Request Syntax .....	128
Request Parameters .....	128
Response Syntax .....	129
Response Elements .....	130
Errors .....	131
Examples .....	132
See Also .....	133
StartTransformerJob .....	134
Request Syntax .....	134
Request Parameters .....	134
Response Syntax .....	135
Response Elements .....	135
Errors .....	136
Examples .....	138
See Also .....	138
TagResource .....	140
Request Syntax .....	140
Request Parameters .....	140
Response Elements .....	141
Errors .....	141
Examples .....	142
See Also .....	143
TestConversion .....	144
Request Syntax .....	144
Request Parameters .....	144

Response Syntax .....	145
Response Elements .....	145
Errors .....	146
See Also .....	147
TestMapping .....	148
Request Syntax .....	148
Request Parameters .....	148
Response Syntax .....	149
Response Elements .....	149
Errors .....	149
Examples .....	151
See Also .....	152
TestParsing .....	153
Request Syntax .....	153
Request Parameters .....	153
Response Syntax .....	154
Response Elements .....	154
Errors .....	155
Examples .....	157
See Also .....	158
UntagResource .....	160
Request Syntax .....	160
Request Parameters .....	160
Response Elements .....	161
Errors .....	161
Examples .....	162
See Also .....	162
UpdateCapability .....	164
Request Syntax .....	164
Request Parameters .....	164
Response Syntax .....	165
Response Elements .....	166
Errors .....	167
Examples .....	169
See Also .....	171
UpdatePartnership .....	172

Request Syntax .....	172
Request Parameters .....	172
Response Syntax .....	173
Response Elements .....	174
Errors .....	176
Examples .....	178
See Also .....	179
<b>UpdateProfile .....</b>	<b>180</b>
Request Syntax .....	180
Request Parameters .....	180
Response Syntax .....	181
Response Elements .....	182
Errors .....	184
Examples .....	186
See Also .....	186
<b>UpdateTransformer .....</b>	<b>188</b>
Request Syntax .....	188
Request Parameters .....	189
Response Syntax .....	192
Response Elements .....	193
Errors .....	196
Examples .....	198
See Also .....	199
<b>Data Types .....</b>	<b>201</b>
<b>AdvancedOptions .....</b>	<b>203</b>
Contents .....	203
See Also .....	203
<b>CapabilityConfiguration .....</b>	<b>204</b>
Contents .....	204
See Also .....	204
<b>CapabilityOptions .....</b>	<b>205</b>
Contents .....	205
See Also .....	205
<b>CapabilitySummary .....</b>	<b>206</b>
Contents .....	206
See Also .....	207

ConversionSource .....	208
Contents .....	208
See Also .....	208
ConversionTarget .....	209
Contents .....	209
See Also .....	210
ConversionTargetFormatDetails .....	211
Contents .....	211
See Also .....	211
EdiConfiguration .....	212
Contents .....	212
See Also .....	213
EdiType .....	214
Contents .....	214
See Also .....	214
FormatOptions .....	215
Contents .....	215
See Also .....	215
InboundEdiOptions .....	216
Contents .....	216
See Also .....	216
InputConversion .....	217
Contents .....	217
See Also .....	217
InputFileSource .....	219
Contents .....	219
See Also .....	219
Mapping .....	220
Contents .....	220
See Also .....	220
OutboundEdiOptions .....	221
Contents .....	221
See Also .....	221
OutputConversion .....	222
Contents .....	222
See Also .....	222

OutputSampleFileSource .....	224
Contents .....	224
See Also .....	224
PartnershipSummary .....	225
Contents .....	225
See Also .....	227
ProfileSummary .....	228
Contents .....	228
See Also .....	229
S3Location .....	230
Contents .....	230
See Also .....	230
SampleDocumentKeys .....	231
Contents .....	231
See Also .....	231
SampleDocuments .....	232
Contents .....	232
See Also .....	232
Tag .....	233
Contents .....	233
See Also .....	233
TemplateDetails .....	234
Contents .....	234
See Also .....	234
TransformerSummary .....	235
Contents .....	235
See Also .....	238
WrapOptions .....	239
Contents .....	239
See Also .....	240
X12AcknowledgmentOptions .....	241
Contents .....	241
See Also .....	241
X12AdvancedOptions .....	243
Contents .....	243
See Also .....	243

X12CodeListValidationRule .....	244
Contents .....	244
See Also .....	244
X12ControlNumbers .....	246
Contents .....	246
See Also .....	247
X12Delimiters .....	248
Contents .....	248
See Also .....	249
X12Details .....	250
Contents .....	250
See Also .....	252
X12ElementLengthValidationRule .....	253
Contents .....	253
See Also .....	254
X12ElementRequirementValidationRule .....	255
Contents .....	255
See Also .....	255
X12Envelope .....	256
Contents .....	256
See Also .....	256
X12FunctionalGroupHeaders .....	257
Contents .....	257
See Also .....	258
X12InboundEdiOptions .....	259
Contents .....	259
See Also .....	259
X12InterchangeControlHeaders .....	260
Contents .....	260
See Also .....	262
X12OutboundEdiHeaders .....	263
Contents .....	263
See Also .....	264
X12SplitOptions .....	265
Contents .....	265
See Also .....	265

---

X12ValidationOptions .....	266
Contents .....	266
See Also .....	266
X12ValidationRule .....	267
Contents .....	267
See Also .....	268
<b>Common Parameters .....</b>	<b>269</b>
<b>Common Error Types .....</b>	<b>272</b>

# Welcome to the AWS B2B Data Interchange API

AWS B2B Data Interchange automates the transformation between Electronic Interchange Data (EDI) documents and JSON or XML formats, to simplify your downstream data integrations.

- *Inbound EDI*: the AWS customer receives an EDI file from their trading partner. AWS B2B Data Interchange converts this EDI file into a JSON or XML file with a service-defined structure. A mapping template provided by the customer, in JSONata or XSLT format, is optionally applied to this file to produce a JSON or XML file with the structure the customer requires.
- *Outbound EDI*: the AWS customer has a JSON or XML file containing data that they wish to use in an EDI file. A mapping template, provided by the customer (in either JSONata or XSLT format) is applied to this file to generate a JSON or XML file in the service-defined structure. This file is then converted to an EDI file.

Businesses use EDI documents to exchange transactional data with trading partners, such as suppliers and end customers, using standardized formats such as X12, EDIFACT, or HL7v2. Currently, AWS B2B Data Interchange only supports X12 to JSON or XML conversions.

The following sections document the AWS B2B Data Interchange API service calls, data types, parameters, and errors.

This API interface reference for AWS B2B Data Interchange contains documentation for a programming interface that you can use to manage AWS B2B Data Interchange. The reference structure is as follows:

- For the alphabetical list of API actions, see [Actions](#).
- For the alphabetical list of data types, see [Data Types](#).
- For a list of common query parameters, see [Common Parameters](#).
- For descriptions of the error codes, see [Common Errors](#).

## Tip

Rather than actually running a command in the AWS Command Line Interface, you can use the `--generate-cli-skeleton` parameter with any API call to generate and display a

parameter template. You can then use the generated template to customize and use as input on a later command. For details, see [Generate and use a parameter skeleton file](#).

## New Features

### EDI splitting

AWS B2B Data Interchange now supports splitting of inbound X12 EDI documents that contain multiple transactions into individually processed single-transaction documents. Splitting increases the maximum supported file size for multi-transaction EDI documents from 150MB to 5GB and enables independent processing of each transaction, even when trading partners send them batched in a single EDI file. To use EDI splitting, configure the `advancedOptions` parameter when creating or updating a transformer, or specify split options in the `TestParsing` API call.

### New partnership configurations

AWS B2B Data Interchange has enhanced partnership configuration with new options for acknowledgments, format configuration, and control numbers:

- *Acknowledgment Configuration*: Configure how functional (997/999) and technical (TA1) acknowledgments are handled for your partnerships.
- *Format Configuration*: Customize X12 outbound EDI documents with options for wrap settings, and ISA/GS headers time and date formats. This gives you greater control over the format of your EDI documents.
- *Control Number Management*: Set starting values for interchange, functional group, and transaction set control numbers to ensure proper sequencing and tracking of your EDI transactions.

To use these partnership enhancements, specify the appropriate configuration parameters when creating or updating partnerships using the `CreatePartnership` or `UpdatePartnership` API operations. For acknowledgments, use the `acknowledgmentConfiguration` parameter to define how functional and technical acknowledgments should be processed. For format customization, use the `formatOptions` parameter to specify wrap settings and date/time formats. To manage control numbers, use the `controlNumbers` parameter to set starting values for each level of your EDI documents. These enhancements provide greater flexibility in how your EDI documents are processed and help ensure compatibility with your trading partners' systems.

## New EventBridge Events

AWS B2B Data Interchange now emits additional EventBridge events to help you monitor and respond to EDI processing activities. New events include "Split Transformation Completed" and "Split Transformation Failed" to track the status of split file processing.

# Actions

The following actions are supported:

- [CreateCapability](#)
- [CreatePartnership](#)
- [CreateProfile](#)
- [CreateStarterMappingTemplate](#)
- [CreateTransformer](#)
- [DeleteCapability](#)
- [DeletePartnership](#)
- [DeleteProfile](#)
- [DeleteTransformer](#)
- [GenerateMapping](#)
- [GetCapability](#)
- [GetPartnership](#)
- [GetProfile](#)
- [GetTransformer](#)
- [GetTransformerJob](#)
- [ListCapabilities](#)
- [ListPartnerships](#)
- [ListProfiles](#)
- [ListTagsForResource](#)
- [ListTransformers](#)
- [StartTransformerJob](#)
- [TagResource](#)
- [TestConversion](#)
- [TestMapping](#)
- [TestParsing](#)
- [UntagResource](#)
- [UpdateCapability](#)

- [UpdatePartnership](#)
- [UpdateProfile](#)
- [UpdateTransformer](#)

# CreateCapability

Instantiates a capability based on the specified parameters. A trading capability contains the information required to transform incoming EDI documents into JSON or XML outputs.

## Request Syntax

```
{
  "clientToken": "string",
  "configuration": { ... },
  "instructionsDocuments": [
    {
      "bucketName": "string",
      "key": "string"
    }
  ],
  "name": "string",
  "tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ],
  "type": "string"
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### clientToken

Reserved for future use.

Type: String

Required: No

### configuration

Specifies a structure that contains the details for a capability.

Type: [CapabilityConfiguration](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

### [instructionsDocuments](#)

Specifies one or more locations in Amazon S3, each specifying an EDI document that can be used with this capability. Each item contains the name of the bucket and the key, to identify the document's location.

Type: Array of [S3Location](#) objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

### [name](#)

Specifies the name of the capability, used to identify it.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

Required: Yes

### [tags](#)

Specifies the key-value pairs assigned to ARNs that you can use to group and search for resources by type. You can attach this metadata to resources (capabilities, partnerships, and so on) for any purpose.

Type: Array of [Tag](#) objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

### [type](#)

Specifies the type of the capability. Currently, only `edi` is supported.

Type: String

Valid Values: edi

Required: Yes

## Response Syntax

```
{
  "capabilityArn": "string",
  "capabilityId": "string",
  "configuration": { ... },
  "createdAt": "string",
  "instructionsDocuments": [
    {
      "bucketName": "string",
      "key": "string"
    }
  ],
  "name": "string",
  "type": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### [capabilityArn](#)

Returns an Amazon Resource Name (ARN) for a specific AWS resource, such as a capability, partnership, profile, or transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

### [capabilityId](#)

Returns a system-assigned unique identifier for the capability.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

### configuration

Returns a structure that contains the details for a capability.

Type: [CapabilityConfiguration](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

### createdAt

Returns a timestamp for creation date and time of the capability.

Type: Timestamp

### instructionsDocuments

Returns one or more locations in Amazon S3, each specifying an EDI document that can be used with this capability. Each item contains the name of the bucket and the key, to identify the document's location.

Type: Array of [S3Location](#) objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

### name

Returns the name of the capability used to identify it.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

### type

Returns the type of the capability. Currently, only edi is supported.

Type: String

Valid Values: edi

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

## **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

## **ConflictException**

A conflict exception is thrown when you attempt to delete a resource (such as a profile or a capability) that is being used by other resources.

HTTP Status Code: 400

## **InternalServerErrorException**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

## **ResourceNotFoundException**

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

## **ServiceQuotaExceededException**

Occurs when the calling command attempts to exceed one of the service quotas, for example trying to create a capability when you already have the maximum number of capabilities allowed.

### **quotaCode**

The quota that was exceeded, which caused the exception.

### **resourceId**

The ID for the resource that exceeded the quota, which caused the exception.

### **resourceType**

The resource type (profile, partnership, transformer, or capability) that exceeded the quota, which caused the exception.

## **serviceCode**

The code responsible for exceeding the quota, which caused the exception.

HTTP Status Code: 400

## **ThrottlingException**

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

## **retryAfterSeconds**

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

## **ValidationException**

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

### **Note**

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

# Examples

## Example

The following example creates a capability.

### Sample Request

```
{
  "name": "b2biexample",
  "type": "edi",
  "configuration": {
    "edi": {
      "type": {
        "x12Details": {
          "transactionSet": "X12_110",
          "version": "VERSION_4010"
        }
      },
      "inputLocation": {
        "bucketName": "amzn-s3-demo-bucket",
        "key": "input/"
      },
      "outputLocation": {
        "bucketName": "amzn-s3-demo-bucket",
        "key": "output/"
      },
      "transformerId": "tr-1234abcd5678efghj"
    }
  },
  "instructionsDocuments": [
    {
      "bucketName": "amzn-s3-demo-bucket",
      "key": "instructiondoc.txt"
    }
  ],
  "clientToken": "foo",
  "tags": [
    {
      "Key": "capabilityKey1",
      "Value": "capabilityValue1"
    }
  ]
}
```

```
}
```

## Sample Response

```
{
  "capabilityArn": "arn:aws:b2bi:us-west-2:123456789012:capability/ca-1111aaaa2222bbbb3",
  "capabilityId": "ca-1111aaaa2222bbbb3",
  "createdAt": "2023-11-01T21:51:05.504Z",
  "configuration": {
    "edi": {
      "type": {
        "x12Details": {
          "transactionSet": "X12_110",
          "version": "VERSION_4010"
        }
      },
      "inputLocation": {
        "bucketName": "amzn-s3-demo-bucket",
        "key": "input/"
      },
      "outputLocation": {
        "bucketName": "amzn-s3-demo-bucket",
        "key": "output/"
      },
      "transformerId": "tr-1234abcd5678efghj"
    }
  },
  "instructionsDocuments": [
    {
      "bucketName": "amzn-s3-demo-bucket",
      "key": "instructiondoc.txt"
    }
  ],
  "name": "b2biexample",
  "type": "edi"
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# CreatePartnership

Creates a partnership between a customer and a trading partner, based on the supplied parameters. A partnership represents the connection between you and your trading partner. It ties together a profile and one or more trading capabilities.

## Request Syntax

```
{
  "capabilities": [ "string" ],
  "capabilityOptions": {
    "inboundEdi": {
      "x12": {
        "acknowledgmentOptions": {
          "functionalAcknowledgment": "string",
          "technicalAcknowledgment": "string"
        }
      }
    },
    "outboundEdi": { ... }
  },
  "clientToken": "string",
  "email": "string",
  "name": "string",
  "phone": "string",
  "profileId": "string",
  "tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

## capabilities

Specifies a list of the capabilities associated with this partnership.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

Required: Yes

## capabilityOptions

Specify the structure that contains the details for the associated capabilities.

Type: [CapabilityOptions](#) object

Required: No

## clientToken

Reserved for future use.

Type: String

Required: No

## email

Specifies the email address associated with this trading partner.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 254.

Pattern: [\w\.\-]+@[\w\.\-]+

Required: Yes

## name

Specifies a descriptive name for the partnership.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

Required: Yes

### phone

Specifies the phone number associated with the partnership.

Type: String

Length Constraints: Minimum length of 7. Maximum length of 22.

Pattern: `\+?([0-9 \t\-\(\)\|/]{7,})(?:\s*(?:#\s|x\.?|ext\.?|extension) \t*(\d+))?`

Required: No

### profileId

Specifies the unique, system-generated identifier for the profile connected to this partnership.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

### tags

Specifies the key-value pairs assigned to ARNs that you can use to group and search for resources by type. You can attach this metadata to resources (capabilities, partnerships, and so on) for any purpose.

Type: Array of [Tag](#) objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

## Response Syntax

```
{
  "capabilities": [ "string" ],
  "capabilityOptions": {
```

```
    "inboundEdi": {
      "x12": {
        "acknowledgmentOptions": {
          "functionalAcknowledgment": "string",
          "technicalAcknowledgment": "string"
        }
      }
    },
    "outboundEdi": { ... }
  },
  "createdAt": "string",
  "email": "string",
  "name": "string",
  "partnershipArn": "string",
  "partnershipId": "string",
  "phone": "string",
  "profileId": "string",
  "tradingPartnerId": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### capabilities

Returns one or more capabilities associated with this partnership.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

### capabilityOptions

Returns the structure that contains the details for the associated capabilities.

Type: [CapabilityOptions](#) object

### createdAt

Returns a timestamp for creation date and time of the partnership.

Type: Timestamp

### email

Returns the email address associated with this trading partner.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 254.

Pattern: `[\w\.\-]+@[\w\.\-]+`

### name

Returns a descriptive name for the partnership.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

### partnershipArn

Returns an Amazon Resource Name (ARN) for a specific AWS resource, such as a capability, partnership, profile, or transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

### partnershipId

Returns the unique, system-generated identifier for a partnership.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

### phone

Returns the phone number associated with the partnership.

Type: String

Length Constraints: Minimum length of 7. Maximum length of 22.

Pattern: \+?([\0-9 \t\-\(\)\|/]{7,})(?:\s\*(?:#\|x\.|ext\.|extension) \t\*(\d+))?

### profileId

Returns the unique, system-generated identifier for the profile connected to this partnership.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

### tradingPartnerId

Returns the unique, system-generated identifier for a trading partner.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **ConflictException**

A conflict exception is thrown when you attempt to delete a resource (such as a profile or a capability) that is being used by other resources.

HTTP Status Code: 400

### **InternalServerErrorException**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

**retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

**ResourceNotFoundException**

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

**ServiceQuotaExceededException**

Occurs when the calling command attempts to exceed one of the service quotas, for example trying to create a capability when you already have the maximum number of capabilities allowed.

**quotaCode**

The quota that was exceeded, which caused the exception.

**resourceId**

The ID for the resource that exceeded the quota, which caused the exception.

**resourceType**

The resource type (profile, partnership, transformer, or capability) that exceeded the quota, which caused the exception.

**serviceCode**

The code responsible for exceeding the quota, which caused the exception.

HTTP Status Code: 400

**ThrottlingException**

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

**retryAfterSeconds**

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

## ValidationException

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

### Note

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example creates a partnership. In the command, replace the parameters with your actual values for the new partnership.

The API call returns the details for you new partnership.

```
//Listing for createNewPartnership.txt
{
```

```

"profileId": "p-ABCDE111122223333",
"name": "John Smith",
"email": "johns@example.com",
"phone": "5555555555",
"capabilities": [
  "ca-1111aaaa2222bbbb3"
],
"capabilityOptions": {
  "outboundEdi": {
    "x12": {
      "common": {
        "delimiters": {
          "componentSeparator": ":",
          "dataElementSeparator": ";",
          "replacementCharacterSeparator": ",",
          "segmentTerminator": "/"
        },
        "ediValidate": true
      }
    }
  }
},
"clientToken": "foo",
"tags": [
  {
    "Key": "Test",
    "Value": "True"
  }
]
}

```

## Sample Request

```
aws b2bi create-partnership --cli-input-json file://createNewPartnership.txt
```

## Sample Response

```

{
  "profileId": "p-ABCDE111122223333",
  "partnershipId": "ps-7444460000cccc1111",
  "partnershipArn": "arn:aws:b2bi:us-east-1:500655546075:partnership/ps-444460000cccc1111",
}

```

```
"name": "John Smith",
"email": "johns@example.com",
"phone": "5555555555",
"capabilities": [
  "ca-1111aaaa2222bbbb3"
],
"capabilityOptions": {
  "outboundEdi": {
    "x12": {
      "common": {
        "delimiters": {
          "componentSeparator": ":",
          "dataElementSeparator": ";",
          "segmentTerminator": "/"
        }
      }
    }
  }
},
"tradingPartnerId": "tp-1234abcd5678efghj",
"createdAt": "2024-10-15T17:27:20.972Z"
}
```

## Example

The following example creates a partnership with acknowledgment configuration, format configuration, and control number settings.

```
//Listing for createPartnershipWithAcknowledgment.txt
{
  "profileId": "p-ABCDE111122223333",
  "name": "John Smith",
  "email": "johns@example.com",
  "phone": "5555555555",
  "capabilities": [
    "ca-1111aaaa2222bbbb3"
  ],
  "capabilityOptions": {
    "outboundEdi": {
      "x12": {
        "common": {
          "delimiters": {
            "componentSeparator": ":",
```

```

        "dataElementSeparator": ";",
        "replacementCharacterSeparator": ",",
        "segmentTerminator": "/"
    },
    "ediValidate": true,
    "wrapOptions": {
        "wrapBy": "SEGMENT",
        "lineTerminator": "\n"
    }
},
"headers": {
    "controlNumbers": {
        "startingInterchangeControlNumber": "000000001",
        "startingFunctionalGroupControlNumber": "1",
        "startingTransactionSetControlNumber": "0001"
    },
    "gs05TimeFormat": "HHMMSS"
}
},
"tags": [
    {
        "Key": "Test",
        "Value": "True"
    }
]
}

```

## Sample Request

```

aws b2bi create-partnership --cli-input-json file://
createPartnershipWithAcknowledgment.txt

```

## Sample Response

```
{
  "profileId": "p-ABCDE111122223333",
  "partnershipId": "ps-7444460000cccc1111",
  "partnershipArn": "arn:aws:b2bi:us-east-1:500655546075:partnership/ps-444460000cccc1111",
  "name": "John Smith",
  "email": "johns@example.com",
  "phone": "5555555555",
  "capabilities": [
    "ca-1111aaaa2222bbbb3"
  ],
  "capabilityOptions": {
    "outboundEdi": {
      "x12": {
        "common": {
          "delimiters": {
            "componentSeparator": ":",
            "dataElementSeparator": ";",
            "segmentTerminator": "/"
          },
          "ediValidate": true,
          "wrapOptions": {
            "wrapBy": "SEGMENT",
            "lineTerminator": "\n"
          }
        },
        "headers": {
          "controlNumbers": {
            "startingInterchangeControlNumber": "000000001",
            "startingFunctionalGroupControlNumber": "1",
            "startingTransactionSetControlNumber": "0001"
          },
          "gs05TimeFormat": "HHMMSS"
        }
      }
    },
    "inboundEdi": {
      "x12": {
        "acknowledgmentOptions": {
          "functionalAcknowledgment": "GENERATE_ALL_SEGMENTS",
          "technicalAcknowledgment": "GENERATE_ALL_SEGMENTS"
        }
      }
    }
  }
}
```

```
    }  
  }  
},  
"tradingPartnerId": "tp-1234abcd5678efghj",  
"createdAt": "2024-10-15T17:27:20.972Z"  
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# CreateProfile

Creates a customer profile. You can have up to five customer profiles, each representing a distinct private network. A profile is the mechanism used to create the concept of a private network.

## Request Syntax

```
{
  "businessName": "string",
  "clientToken": "string",
  "email": "string",
  "logging": "string",
  "name": "string",
  "phone": "string",
  "tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### businessName

Specifies the name for the business associated with this profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

Required: Yes

### clientToken

Reserved for future use.

Type: String

Required: No

### email

Specifies the email address associated with this customer profile.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 254.

Pattern: `[\w\.\-]+@[\w\.\-]+`

Required: No

### logging

Specifies whether or not logging is enabled for this profile.

Type: String

Valid Values: ENABLED | DISABLED

Required: Yes

### name

Specifies the name of the profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

Required: Yes

### phone

Specifies the phone number associated with the profile.

Type: String

Length Constraints: Minimum length of 7. Maximum length of 22.

Pattern: `\+?([0-9 \t\-\(\)\|/]{7,})(?:\s*(?:#\|x\.|ext\.|extension) \t*(\d+))?`

Required: Yes

## tags

Specifies the key-value pairs assigned to ARNs that you can use to group and search for resources by type. You can attach this metadata to resources (capabilities, partnerships, and so on) for any purpose.

Type: Array of [Tag](#) objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

## Response Syntax

```
{
  "businessName": "string",
  "createdAt": "string",
  "email": "string",
  "logging": "string",
  "logGroupName": "string",
  "name": "string",
  "phone": "string",
  "profileArn": "string",
  "profileId": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### businessName

Returns the name for the business associated with this profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

### createdAt

Returns a timestamp representing the time the profile was created.

Type: Timestamp

### email

Returns the email address associated with this customer profile.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 254.

Pattern: `[\w\.\-]+@[\w\.\-]+`

### logging

Returns whether or not logging is turned on for this profile.

Type: String

Valid Values: ENABLED | DISABLED

### logGroupName

Returns the name of the logging group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

### name

Returns the name of the profile, used to identify it.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

### phone

Returns the phone number associated with the profile.

Type: String

Length Constraints: Minimum length of 7. Maximum length of 22.

Pattern: `\+?([\0-9 \t\-\(\)\|/]{7,})(?:\s*(?:#\|x\.|ext\.|extension) \t*(\d+))?`

## **profileArn**

Returns an Amazon Resource Name (ARN) for the profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

## **profileId**

Returns the unique, system-generated identifier for the profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

## **Errors**

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **ConflictException**

A conflict exception is thrown when you attempt to delete a resource (such as a profile or a capability) that is being used by other resources.

HTTP Status Code: 400

### **InternalServerErrorException**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

#### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

## ResourceNotFoundException

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

## ServiceQuotaExceededException

Occurs when the calling command attempts to exceed one of the service quotas, for example trying to create a capability when you already have the maximum number of capabilities allowed.

### **quotaCode**

The quota that was exceeded, which caused the exception.

### **resourceId**

The ID for the resource that exceeded the quota, which caused the exception.

### **resourceType**

The resource type (profile, partnership, transformer, or capability) that exceeded the quota, which caused the exception.

### **serviceCode**

The code responsible for exceeding the quota, which caused the exception.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

### **retryAfterSeconds**

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

## ValidationException

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

 **Note**

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example creates a profile.

### Sample Request

```
{
  "capabilities": [
    "ca-1111aaaa2222bbbb3"
  ],
  "clientToken": "foo",
  "email": "john@example.com",
  "name": "b2bipartner",
  "phone": "5555555555",
  "profileId": "p-ABCDE111122223333",
  "tags": [
```

```
{
  "Key": "sampleKey1",
  "Value": "sampleValue1"
}
```

## Sample Response

```
{
  "capabilities": [
    "ca-1111aaaa2222bbbb3"
  ],
  "createdAt": "2023-11-01T21:51:05.504Z",
  "email": "john@example.com",
  "name": "b2bipartner",
  "partnershipArn": "arn:aws:b2bi:us-west-2:123456789012:partnership/ps-5555zzzz4444yyyyy",
  "partnershipId": "ps-5555zzzz4444yyyyy",
  "phone": "5555555555",
  "profileId": "p-ABCDE111122223333",
  "tradingPartnerId": "tp-11112222333344445"
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

# CreateStarterMappingTemplate

AWS B2B Data Interchange uses a mapping template in JSONata or XSLT format to transform a customer input file into a JSON or XML file that can be converted to EDI.

If you provide a sample EDI file with the same structure as the EDI files that you wish to generate, then the service can generate a mapping template. The starter template contains placeholder values which you can replace with JSONata or XSLT expressions to take data from your input file and insert it into the JSON or XML file that is used to generate the EDI.

If you do not provide a sample EDI file, then the service can generate a mapping template based on the EDI settings in the `templateDetails` parameter.

Currently, we only support generating a template that can generate the input to produce an Outbound X12 EDI file.

## Request Syntax

```
{
  "mappingType": "string",
  "outputSampleLocation": {
    "bucketName": "string",
    "key": "string"
  },
  "templateDetails": { ... }
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### [mappingType](#)

Specify the format for the mapping template: either JSONATA or XSLT.

Type: String

Valid Values: JSONATA | XSLT

Required: Yes

### [outputSampleLocation](#)

Specify the location of the sample EDI file that is used to generate the mapping template.

Type: [S3Location](#) object

Required: No

### [templateDetails](#)

Describes the details needed for generating the template. Specify the X12 transaction set and version for which the template is used: currently, we only support X12.

Type: [TemplateDetails](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

## Response Syntax

```
{
  "mappingTemplate": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### [mappingTemplate](#)

Returns a string that represents the mapping template.

Type: String

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

## AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

## InternalServerError

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

### retryAfterSeconds

The server attempts to retry a failed command.

HTTP Status Code: 500

## ResourceNotFoundException

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

## ValidationException

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

### Note

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:

- Element lengths don't meet specified constraints
- Code list validations contain invalid codes
- Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# CreateTransformer

Creates a transformer. AWS B2B Data Interchange currently supports two scenarios:

- *Inbound EDI*: the AWS customer receives an EDI file from their trading partner. AWS B2B Data Interchange converts this EDI file into a JSON or XML file with a service-defined structure. A mapping template provided by the customer, in JSONata or XSLT format, is optionally applied to this file to produce a JSON or XML file with the structure the customer requires.
- *Outbound EDI*: the AWS customer has a JSON or XML file containing data that they wish to use in an EDI file. A mapping template, provided by the customer (in either JSONata or XSLT format) is applied to this file to generate a JSON or XML file in the service-defined structure. This file is then converted to an EDI file.

## Note

The following fields are provided for backwards compatibility only: `fileFormat`, `mappingTemplate`, `ediType`, and `sampleDocument`.

- Use the `mapping` data type in place of `mappingTemplate` and `fileFormat`
- Use the `sampleDocuments` data type in place of `sampleDocument`
- Use either the `inputConversion` or `outputConversion` in place of `ediType`

## Request Syntax

```
{
  "clientToken": "string",
  "ediType": { ... },
  "fileFormat": "string",
  "inputConversion": {
    "advancedOptions": {
      "x12": {
        "splitOptions": {
          "splitBy": "string"
        },
        "validationOptions": {
          "validationRules": [
            { ... }
          ]
        }
      }
    }
  }
}
```

```

    ]
  }
}
},
"formatOptions": { ... },
"fromFormat": "string"
},
"mapping": {
  "template": "string",
  "templateLanguage": "string"
},
"mappingTemplate": "string",
"name": "string",
"outputConversion": {
  "advancedOptions": {
    "x12": {
      "splitOptions": {
        "splitBy": "string"
      },
      "validationOptions": {
        "validationRules": [
          { ... }
        ]
      }
    }
  }
},
"formatOptions": { ... },
"toFormat": "string"
},
"sampleDocument": "string",
"sampleDocuments": {
  "bucketName": "string",
  "keys": [
    {
      "input": "string",
      "output": "string"
    }
  ]
},
"tags": [
  {
    "Key": "string",
    "Value": "string"
  }
]
}

```

```
]
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### [clientToken](#)

Reserved for future use.

Type: String

Required: No

### [ediType](#)

*This parameter has been deprecated.*

Specifies the details for the EDI standard that is being used for the transformer. Currently, only X12 is supported. X12 is a set of standards and corresponding messages that define specific business documents.

Type: [EdiType](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

### [fileFormat](#)

*This parameter has been deprecated.*

Specifies that the currently supported file formats for EDI transformations are JSON and XML.

Type: String

Valid Values: XML | JSON | NOT\_USED

Required: No

## inputConversion

Specify the `InputConversion` object, which contains the format options for the inbound transformation.

Type: [InputConversion](#) object

Required: No

## mapping

Specify the structure that contains the mapping template and its language (either XSLT or JSONATA).

Type: [Mapping](#) object

Required: No

## mappingTemplate

*This parameter has been deprecated.*

Specifies the mapping template for the transformer. This template is used to map the parsed EDI file using JSONata or XSLT.

### **Note**

This parameter is available for backwards compatibility. Use the [Mapping](#) data type instead.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 350000.

Required: No

## name

Specifies the name of the transformer, used to identify it.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

Pattern: `[a-zA-Z0-9_-]{1,512}`

Required: Yes

### outputConversion

A structure that contains the `OutputConversion` object, which contains the format options for the outbound transformation.

Type: [OutputConversion](#) object

Required: No

### sampleDocument

*This parameter has been deprecated.*

Specifies a sample EDI document that is used by a transformer as a guide for processing the EDI data.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

### sampleDocuments

Specify a structure that contains the Amazon S3 bucket and an array of the corresponding keys used to identify the location for your sample documents.

Type: [SampleDocuments](#) object

Required: No

### tags

Specifies the key-value pairs assigned to ARNs that you can use to group and search for resources by type. You can attach this metadata to resources (capabilities, partnerships, and so on) for any purpose.

Type: Array of [Tag](#) objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

## Response Syntax

```
{
  "createdAt": "string",
  "ediType": { ... },
  "fileFormat": "string",
  "inputConversion": {
    "advancedOptions": {
      "x12": {
        "splitOptions": {
          "splitBy": "string"
        },
        "validationOptions": {
          "validationRules": [
            { ... }
          ]
        }
      }
    }
  },
  "formatOptions": { ... },
  "fromFormat": "string"
},
"mapping": {
  "template": "string",
  "templateLanguage": "string"
},
"mappingTemplate": "string",
"name": "string",
"outputConversion": {
  "advancedOptions": {
    "x12": {
      "splitOptions": {
        "splitBy": "string"
      },
      "validationOptions": {
        "validationRules": [
          { ... }
        ]
      }
    }
  }
}
```

```

    }
  },
  "formatOptions": { ... },
  "toFormat": "string"
},
"sampleDocument": "string",
"sampleDocuments": {
  "bucketName": "string",
  "keys": [
    {
      "input": "string",
      "output": "string"
    }
  ]
},
"status": "string",
"transformerArn": "string",
"transformerId": "string"
}

```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### createdAt

Returns a timestamp for creation date and time of the transformer.

Type: Timestamp

### ediType

*This parameter has been deprecated.*

Returns the details for the EDI standard that is being used for the transformer. Currently, only X12 is supported. X12 is a set of standards and corresponding messages that define specific business documents.

Type: [EdiType](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

## fileFormat

*This parameter has been deprecated.*

Returns that the currently supported file formats for EDI transformations are JSON and XML.

Type: String

Valid Values: XML | JSON | NOT\_USED

## inputConversion

Returns the `InputConversion` object, which contains the format options for the inbound transformation.

Type: [InputConversion](#) object

## mapping

Returns the structure that contains the mapping template and its language (either XSLT or JSONATA).

Type: [Mapping](#) object

## mappingTemplate

*This parameter has been deprecated.*

Returns the mapping template for the transformer. This template is used to map the parsed EDI file using JSONata or XSLT.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 350000.

## name

Returns the name of the transformer, used to identify it.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

Pattern: `[a-zA-Z0-9_-]{1,512}`

## outputConversion

Returns the `OutputConversion` object, which contains the format options for the outbound transformation.

Type: [OutputConversion](#) object

## sampleDocument

*This parameter has been deprecated.*

Returns a sample EDI document that is used by a transformer as a guide for processing the EDI data.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

## sampleDocuments

Returns a structure that contains the Amazon S3 bucket and an array of the corresponding keys used to identify the location for your sample documents.

Type: [SampleDocuments](#) object

## status

Returns the state of the newly created transformer. The transformer can be either `active` or `inactive`. For the transformer to be used in a capability, its status must be `active`.

Type: String

Valid Values: `active` | `inactive`

## transformerArn

Returns an Amazon Resource Name (ARN) for a specific AWS resource, such as a capability, partnership, profile, or transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

## transformerId

Returns the system-assigned unique identifier for the transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### ConflictException

A conflict exception is thrown when you attempt to delete a resource (such as a profile or a capability) that is being used by other resources.

HTTP Status Code: 400

### InternalServerError

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

#### retryAfterSeconds

The server attempts to retry a failed command.

HTTP Status Code: 500

### ResourceNotFoundException

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

### ServiceQuotaExceededException

Occurs when the calling command attempts to exceed one of the service quotas, for example trying to create a capability when you already have the maximum number of capabilities allowed.

**quotaCode**

The quota that was exceeded, which caused the exception.

**resourceId**

The ID for the resource that exceeded the quota, which caused the exception.

**resourceType**

The resource type (profile, partnership, transformer, or capability) that exceeded the quota, which caused the exception.

**serviceCode**

The code responsible for exceeding the quota, which caused the exception.

HTTP Status Code: 400

**ThrottlingException**

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

**retryAfterSeconds**

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

**ValidationException**

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

**Note**

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example creates a transformer with advanced options for EDI splitting.

### Sample Request

```
{
  "clientToken": "foo",
  "ediType": {
    "x12Details": {
      "transactionSet": "X12_110",
      "version": "VERSION_4010"
    }
  },
  "fileFormat": "JSON",
  "mapping": {
    "templateLanguage": "JSONATA",
    "template": "{}"
  },
  "name": "transformJSON",
  "sampleDocument": "s3://amzn-s3-demo-bucket/sampleDoc.txt",
  "advancedOptions": {
    "x12": {
      "splitOptions": {
        "splitBy": "TRANSACTION"
      }
    }
  },
}
```

```
    "tags": [  
      {  
        "Key": "sampleKey",  
        "Value": "sampleValue"  
      }  
    ]  
  }  
}
```

## Sample Response

```
{  
  "createdAt": "2023-11-01T21:51:05.504Z",  
  "ediType": {  
    "x12Details": {  
      "transactionSet": "X12_110",  
      "version": "VERSION_4010"  
    }  
  },  
  "fileFormat": "JSON",  
  "mapping": {  
    "templateLanguage": "JSONATA",  
    "template": "$"  
  },  
  "name": "transformJSON",  
  "sampleDocument": "s3://amzn-s3-demo-bucket/sampleDoc.txt",  
  "advancedOptions": {  
    "x12": {  
      "splitOptions": {  
        "splitBy": "TRANSACTION"  
      }  
    }  
  },  
  "status": "inactive",  
  "transformerArn": "arn:aws:b2bi:us-west-2:123456789012:transformer/  
tr-1234abcd5678efghj",  
  "transformerId": "tr-1234abcd5678efghj"  
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# DeleteCapability

Deletes the specified capability. A trading capability contains the information required to transform incoming EDI documents into JSON or XML outputs.

## Request Syntax

```
{
  "capabilityId": "string"
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### capabilityId

Specifies a system-assigned unique identifier for the capability.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

Required: Yes

## Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **ConflictException**

A conflict exception is thrown when you attempt to delete a resource (such as a profile or a capability) that is being used by other resources.

HTTP Status Code: 400

### **InternalServerError**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

#### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

### **ResourceNotFoundException**

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

#### **retryAfterSeconds**

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

### **ValidationException**

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

**Note**

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example deletes a capability. If successful, an empty HTTP body, `{}` is returned.

### Sample Request

```
{
  "capabilityId": "ca-1111aaaa2222bbbb3"
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# DeletePartnership

Deletes the specified partnership. A partnership represents the connection between you and your trading partner. It ties together a profile and one or more trading capabilities.

## Request Syntax

```
{  
  "partnershipId": "string"  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### partnershipId

Specifies the unique, system-generated identifier for a partnership.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

Required: Yes

## Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **ConflictException**

A conflict exception is thrown when you attempt to delete a resource (such as a profile or a capability) that is being used by other resources.

HTTP Status Code: 400

### **InternalServerError**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

#### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

### **ResourceNotFoundException**

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

#### **retryAfterSeconds**

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

### **ValidationException**

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

**Note**

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example deletes a partnership. If successful, an empty HTTP body, `{}` is returned.

### Sample Request

```
{
  "partnershipId": "ps-5555zzzz4444yyyyy"
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# DeleteProfile

Deletes the specified profile. A profile is the mechanism used to create the concept of a private network.

## Request Syntax

```
{
  "profileId": "string"
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### profileId

Specifies the unique, system-generated identifier for the profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

Required: Yes

## Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **ConflictException**

A conflict exception is thrown when you attempt to delete a resource (such as a profile or a capability) that is being used by other resources.

HTTP Status Code: 400

### **InternalServerError**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

#### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

### **ResourceNotFoundException**

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

#### **retryAfterSeconds**

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

### **ValidationException**

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

**Note**

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example deletes a profile. If successful, an empty HTTP body, `{}` is returned.

### Sample Request

```
{
  "profileId": "p-ABCDE111122223333"
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# DeleteTransformer

Deletes the specified transformer. A transformer can take an EDI file as input and transform it into a JSON-or XML-formatted document. Alternatively, a transformer can take a JSON-or XML-formatted document as input and transform it into an EDI file.

## Request Syntax

```
{
  "transformerId": "string"
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### transformerId

Specifies the system-assigned unique identifier for the transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

Required: Yes

## Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **ConflictException**

A conflict exception is thrown when you attempt to delete a resource (such as a profile or a capability) that is being used by other resources.

HTTP Status Code: 400

### **InternalServerError**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

#### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

### **ResourceNotFoundException**

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

#### **retryAfterSeconds**

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

### **ValidationException**

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

**Note**

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example deletes a transformer. If successful, an empty HTTP body, `{}` is returned.

### Sample Request

```
{
  "transformerId": "tr-1234abcd5678efghj"
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# GenerateMapping

Takes sample input and output documents and uses Amazon Bedrock to generate a mapping automatically. Depending on the accuracy and other factors, you can then edit the mapping for your needs.

## Note

Before you can use the AI-assisted feature for AWS B2B Data Interchange you must enable models in Amazon Bedrock. For details, see [AI-assisted template mapping prerequisites](#) in the *AWS B2B Data Interchange User guide*.

To generate a mapping, perform the following steps:

1. Start with an X12 EDI document to use as the input.
2. Call `TestMapping` using your EDI document.
3. Use the output from the `TestMapping` operation as either input or output for your `GenerateMapping` call, along with your sample file.

## Request Syntax

```
{
  "inputFileContent": "string",
  "mappingType": "string",
  "outputFileContent": "string"
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### inputFileContent

Provide the contents of a sample X12 EDI file, either in JSON or XML format, to use as a starting point for the mapping.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 5000000.

Required: Yes

### mappingType

Specify the mapping type: either JSONATA or XSLT .

Type: String

Valid Values: JSONATA | XSLT

Required: Yes

### outputFileContent

Provide the contents of a sample X12 EDI file, either in JSON or XML format, to use as a target for the mapping.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 5000000.

Required: Yes

## Response Syntax

```
{  
  "mappingAccuracy": number,  
  "mappingTemplate": "string"  
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### mappingAccuracy

Returns a percentage that estimates the accuracy of the generated mapping.

Type: Float

Valid Range: Minimum value of 0.0. Maximum value of 1.0.

### [mappingTemplate](#)

Returns a mapping template based on your inputs.

Type: String

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **InternalServerError**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

#### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

### **ThrottlingException**

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

#### **retryAfterSeconds**


The server attempts to retry a command that was throttled.

HTTP Status Code: 400

### **ValidationException**

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

 **Note**

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

# GetCapability

Retrieves the details for the specified capability. A trading capability contains the information required to transform incoming EDI documents into JSON or XML outputs.

## Request Syntax

```
{
  "capabilityId": "string"
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### capabilityId

Specifies a system-assigned unique identifier for the capability.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

Required: Yes

## Response Syntax

```
{
  "capabilityArn": "string",
  "capabilityId": "string",
  "configuration": { ... },
  "createdAt": "string",
  "instructionsDocuments": [
    {
      "bucketName": "string",
      "key": "string"
    }
  ]
}
```

```
    }  
  ],  
  "modifiedAt": "string",  
  "name": "string",  
  "type": "string"  
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### capabilityArn

Returns an Amazon Resource Name (ARN) for a specific AWS resource, such as a capability, partnership, profile, or transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

### capabilityId

Returns a system-assigned unique identifier for the capability.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

### configuration

Returns a structure that contains the details for a capability.

Type: [CapabilityConfiguration](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

### createdAt

Returns a timestamp for creation date and time of the capability.

Type: Timestamp

## instructionsDocuments

Returns one or more locations in Amazon S3, each specifying an EDI document that can be used with this capability. Each item contains the name of the bucket and the key, to identify the document's location.

Type: Array of [S3Location](#) objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

## modifiedAt

Returns a timestamp for last time the capability was modified.

Type: Timestamp

## name

Returns the name of the capability, used to identify it.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

## type

Returns the type of the capability. Currently, only `edi` is supported.

Type: String

Valid Values: `edi`

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **InternalServerErrorException**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

## **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

## **ResourceNotFoundException**

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

## **ThrottlingException**

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

## **retryAfterSeconds**

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

## **ValidationException**

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

### **Note**

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation

- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example retrieves details for the specified capability.

#### Sample Request

```
{
  "capabilityId": "ca-1111aaaa2222bbbb3"
}
```

#### Sample Response

```
{
  "capabilityArn": "arn:aws:b2bi:us-west-2:123456789012:capability/
ca-1111aaaa2222bbbb3",
  "capabilityId": "ca-1111aaaa2222bbbb3",
  "configuration": {
    "edi": {
      "type": {
        "x12Details": {
          "transactionSet": "X12_110",
          "version": "VERSION_4010"
        }
      },
      "inputLocation": {
        "bucketName": "amzn-s3-demo-bucket",
        "key": "input/"
      },
      "outputLocation": {
        "bucketName": "amzn-s3-demo-bucket",
        "key": "output/"
      }
    }
  }
}
```

```
    },
    "transformerId": "tr-1234abcd5678efghj"
  }
},
"createdAt": "2023-11-01T21:51:05.504Z",
"instructionsDocuments": [
  {
    "bucketName": "amzn-s3-demo-bucket",
    "key": "instructiondoc.txt"
  }
],
"modifiedAt": "2023-11-02T21:51:05.504Z",
"name": "b2biexample",
"type": "edi"
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# GetPartnership

Retrieves the details for a partnership, based on the partner and profile IDs specified. A partnership represents the connection between you and your trading partner. It ties together a profile and one or more trading capabilities.

## Request Syntax

```
{
  "partnershipId": "string"
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### partnershipId

Specifies the unique, system-generated identifier for a partnership.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

Required: Yes

## Response Syntax

```
{
  "capabilities": [ "string" ],
  "capabilityOptions": {
    "inboundEdi": {
      "x12": {
        "acknowledgmentOptions": {
          "functionalAcknowledgment": "string",
          "technicalAcknowledgment": "string"
        }
      }
    }
  }
}
```

```
    }  
  },  
  "outboundEdi": { ... }  
},  
"createdAt": "string",  
"email": "string",  
"modifiedAt": "string",  
"name": "string",  
"partnershipArn": "string",  
"partnershipId": "string",  
"phone": "string",  
"profileId": "string",  
"tradingPartnerId": "string"  
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### capabilities

Returns one or more capabilities associated with this partnership.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

### capabilityOptions

Contains the details for an Outbound EDI capability.

Type: [CapabilityOptions](#) object

### createdAt

Returns a timestamp for creation date and time of the partnership.

Type: Timestamp

### email

Returns the email address associated with this trading partner.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 254.

Pattern: `[\w\.\-]+@[\w\.\-]+`

### modifiedAt

Returns a timestamp that identifies the most recent date and time that the partnership was modified.

Type: Timestamp

### name

Returns the display name of the partnership

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

### partnershipArn

Returns an Amazon Resource Name (ARN) for a specific AWS resource, such as a capability, partnership, profile, or transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

### partnershipId

Returns the unique, system-generated identifier for a partnership.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

### phone

Returns the phone number associated with the partnership.

Type: String

Length Constraints: Minimum length of 7. Maximum length of 22.

Pattern: `\+?([\d- \t\-\(\)\|/]{7,})(?:\s*(?:#|x\.?|ext\.?|extension) \t*(\d+))?`

### **profileId**

Returns the unique, system-generated identifier for the profile connected to this partnership.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

### **tradingPartnerId**

Returns the unique identifier for the partner for this partnership.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

## **Errors**

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **InternalServerError**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

#### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

## ResourceNotFoundException

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

### retryAfterSeconds

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

## ValidationException

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

### Note

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example retrieves details for the specified partnership.

#### Sample Request

```
{
  "partnershipId": "ps-5555zzzz4444yyyyy"
}
```

#### Sample Response

```
{
  "capabilities": [
    "ca-1111aaaa2222bbbb3"
  ],
  "createdAt": "2023-11-01T21:51:05.504Z",
  "email": "john@example.com",
  "modifiedAt": "2023-11-01T21:51:05.504Z",
  "name": "b2bipartner",
  "partnershipArn": "arn:aws:b2bi:us-west-2:123456789012:partnership/ps-5555zzzz4444yyyyy",
  "partnershipId": "ps-5555zzzz4444yyyyy",
  "phone": "5555555555",
  "profileId": "p-ABCDE111122223333",
  "tradingPartnerId": "tp-11112222333344445"
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# GetProfile

Retrieves the details for the profile specified by the profile ID. A profile is the mechanism used to create the concept of a private network.

## Request Syntax

```
{
  "profileId": "string"
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### profileId

Specifies the unique, system-generated identifier for the profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

Required: Yes

## Response Syntax

```
{
  "businessName": "string",
  "createdAt": "string",
  "email": "string",
  "logging": "string",
  "logGroupName": "string",
  "modifiedAt": "string",
  "name": "string",
  "phone": "string",
}
```

```
"profileArn": "string",  
"profileId": "string"  
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### businessName

Returns the name for the business associated with this profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

### createdAt

Returns a timestamp for creation date and time of the transformer.

Type: Timestamp

### email

Returns the email address associated with this customer profile.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 254.

Pattern: `[\w\.\-]+@[\w\.\-]+`

### logging

Returns whether or not logging is enabled for this profile.

Type: String

Valid Values: ENABLED | DISABLED

### logGroupName

Returns the name of the logging group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

### modifiedAt

Returns a timestamp for last time the profile was modified.

Type: Timestamp

### name

Returns the name of the profile, used to identify it.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

### phone

Returns the phone number associated with the profile.

Type: String

Length Constraints: Minimum length of 7. Maximum length of 22.

Pattern: `\+?([0-9 \t\-\(\)\|/]{7,})(?:\s*(?:#|x\.?|ext\.?|extension) \t*(\d+))?`

### profileArn

Returns an Amazon Resource Name (ARN) for a specific AWS resource, such as a capability, partnership, profile, or transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

### profileId

Returns the unique, system-generated identifier for the profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **InternalServerErrorException**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

#### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

### **ResourceNotFoundException**

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

#### **retryAfterSeconds**

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

### **ValidationException**

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

**Note**

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example retrieves details for the specified profile.

#### Sample Request

```
{
  "profileId": "p-ABCDE111122223333"
}
```

#### Sample Response

```
{
  "businessName": "John's Trucking",
  "createdAt": "2023-11-01T21:51:05.504Z",
  "email": "john@example.com",
  "logging": "ENABLED",
  "logGroupName": "b2bi/p-ABCDE111122223333-Logs",
  "name": "Shipping Profile",
}
```

```
"phone": "5555555555",  
"profileArn": "arn:aws:b2bi:us-west-2:123456789012:profile/p-ABCDE111122223333",  
"profileId": "p-ABCDE111122223333"  
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# GetTransformer

Retrieves the details for the transformer specified by the transformer ID. A transformer can take an EDI file as input and transform it into a JSON-or XML-formatted document. Alternatively, a transformer can take a JSON-or XML-formatted document as input and transform it into an EDI file.

## Request Syntax

```
{
  "transformerId": "string"
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### transformerId

Specifies the system-assigned unique identifier for the transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

Required: Yes

## Response Syntax

```
{
  "createdAt": "string",
  "ediType": { ... },
  "fileFormat": "string",
  "inputConversion": {
    "advancedOptions": {
      "x12": {
        "splitOptions": {
```

```
        "splitBy": "string"
      },
      "validationOptions": {
        "validationRules": [
          { ... }
        ]
      }
    }
  },
  "formatOptions": { ... },
  "fromFormat": "string"
},
"mapping": {
  "template": "string",
  "templateLanguage": "string"
},
"mappingTemplate": "string",
"modifiedAt": "string",
"name": "string",
"outputConversion": {
  "advancedOptions": {
    "x12": {
      "splitOptions": {
        "splitBy": "string"
      },
      "validationOptions": {
        "validationRules": [
          { ... }
        ]
      }
    }
  }
},
"formatOptions": { ... },
"toFormat": "string"
},
"sampleDocument": "string",
"sampleDocuments": {
  "bucketName": "string",
  "keys": [
    {
      "input": "string",
      "output": "string"
    }
  ]
}
```

```
  },  
  "status": "string",  
  "transformerArn": "string",  
  "transformerId": "string"  
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### createdAt

Returns a timestamp for creation date and time of the transformer.

Type: Timestamp

### ediType

*This parameter has been deprecated.*

Returns the details for the EDI standard that is being used for the transformer. Currently, only X12 is supported. X12 is a set of standards and corresponding messages that define specific business documents.

Type: [EdiType](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

### fileFormat

*This parameter has been deprecated.*

Returns that the currently supported file formats for EDI transformations are JSON and XML.

Type: String

Valid Values: XML | JSON | NOT\_USED

### inputConversion

Returns the InputConversion object, which contains the format options for the inbound transformation.

Type: [InputConversion](#) object

## mapping

Returns the structure that contains the mapping template and its language (either XSLT or JSONATA).

Type: [Mapping](#) object

## mappingTemplate

*This parameter has been deprecated.*

Returns the mapping template for the transformer. This template is used to map the parsed EDI file using JSONata or XSLT.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 350000.

## modifiedAt

Returns a timestamp for last time the transformer was modified.

Type: Timestamp

## name

Returns the name of the transformer, used to identify it.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

Pattern: `[a-zA-Z0-9_-]{1,512}`

## outputConversion

Returns the `OutputConversion` object, which contains the format options for the outbound transformation.

Type: [OutputConversion](#) object

## sampleDocument

*This parameter has been deprecated.*

Returns a sample EDI document that is used by a transformer as a guide for processing the EDI data.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

### [sampleDocuments](#)

Returns a structure that contains the Amazon S3 bucket and an array of the corresponding keys used to identify the location for your sample documents.

Type: [SampleDocuments](#) object

### [status](#)

Returns the state of the newly created transformer. The transformer can be either active or inactive. For the transformer to be used in a capability, its status must active.

Type: String

Valid Values: active | inactive

### [transformerArn](#)

Returns an Amazon Resource Name (ARN) for a specific AWS resource, such as a capability, partnership, profile, or transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

### [transformerId](#)

Returns the system-assigned unique identifier for the transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **InternalServerError**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

#### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

### **ResourceNotFoundException**

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

#### **retryAfterSeconds**

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

### **ValidationException**

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

#### **Note**

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example retrieves details for the specified transformer.

#### Sample Request

```
{
  "transformerId": "tr-1234abcd5678efghj"
}
```

#### Sample Response

```
{
  "createdAt": "2023-11-01T21:51:05.504Z",
  "ediType": {
    "x12Details": {
      "transactionSet": "X12_110",
      "version": "VERSION_4010"
    }
  },
  "fileFormat": "JSON",
  "mapping": {
    "templateLanguage": "JSONATA",
    "template": "$"
  },
  "modifiedAt": "2023-11-01T21:51:05.504Z",
  "name": "transformJSON",
}
```

```
"sampleDocument": "s3://amzn-s3-demo-bucket/sampleDoc.txt",
"status": "inactive",
"transformerArn": "arn:aws:b2bi:us-west-2:123456789012:transformer/
tr-1234abcd5678efghj",
"transformerId": "tr-1234abcd5678efghj"
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# GetTransformerJob

Returns the details of the transformer run, based on the Transformer job ID.

## Note

If 30 days have elapsed since your transformer job was started, the system deletes it. So, if you run `GetTransformerJob` and supply a `transformerId` and `transformerJobId` for a job that was started more than 30 days previously, you receive a 404 response.

## Request Syntax

```
{
  "transformerId": "string",
  "transformerJobId": "string"
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### transformerId

Specifies the system-assigned unique identifier for the transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

### transformerJobId

Specifies the unique, system-generated identifier for a transformer run.

Type: String

Length Constraints: Fixed length of 25.

Pattern: [a-zA-Z0-9\_-]+

Required: Yes

## Response Syntax

```
{
  "message": "string",
  "outputFiles": [
    {
      "bucketName": "string",
      "key": "string"
    }
  ],
  "status": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### message

Returns an optional error message, which gets populated when the job is not run successfully.

Type: String

### outputFiles

Returns the location for the output files. If the caller specified a directory for the output, then this contains the full path to the output file, including the file name generated by the service.

Type: Array of [S3Location](#) objects

### status

Returns the current state of the transformer job, either `running`, `succeeded`, or `failed`.

Type: String

Valid Values: `running` | `succeeded` | `failed`

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **InternalServerErrorException**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

#### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

### **ResourceNotFoundException**

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

#### **retryAfterSeconds**

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

### **ValidationException**

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

**Note**

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example retrieves details for the specified transformer run, which was successful.

#### Sample Request

```
{
  "transformerId": "tr-1234abcd5678efghj",
  "transformerJobId": "tj-zzzz9999yyyy8888xxxx77"
}
```

#### Sample Response

```
{
  "status": "succeeded",
}
```

```
"outputFiles": [  
  {  
    "bucketName": "edi-test",  
    "key": "output/sample-214.edi.2023-11-01T10:44:03.353Z.json"  
  }  
],  
"message": "Transformed, writing output"  
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListCapabilities

Lists the capabilities associated with your AWS account for your current or specified region. A trading capability contains the information required to transform incoming EDI documents into JSON or XML outputs.

## Request Syntax

```
{  
  "maxResults": number,  
  "nextToken": "string"  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### maxResults

Specifies the maximum number of capabilities to return.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

### nextToken

When additional results are obtained from the command, a NextToken parameter is returned in the output. You can then pass the NextToken parameter in a subsequent command to continue listing additional resources.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

## Response Syntax

```
{
  "capabilities": [
    {
      "capabilityId": "string",
      "createdAt": "string",
      "modifiedAt": "string",
      "name": "string",
      "type": "string"
    }
  ],
  "nextToken": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### capabilities

Returns one or more capabilities associated with this partnership.

Type: Array of [CapabilitySummary](#) objects

### nextToken

When additional results are obtained from the command, a NextToken parameter is returned in the output. You can then pass the NextToken parameter in a subsequent command to continue listing additional resources.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

## AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

## InternalServerError

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

### retryAfterSeconds

The server attempts to retry a failed command.

HTTP Status Code: 500

## ThrottlingException

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

### retryAfterSeconds

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

## ValidationException

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

### Note

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation

- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example lists the capabilities for your account and in your region. Note that in this example, there is only one capability listed: however, this call would return up to 50 capabilities.

### Sample Request

```
{
  "maxResults": 50,
  "nextToken": "foo"
}
```

### Sample Response

```
{
  "capabilities": [
    {
      "capabilityId": "ca-1111aaaa2222bbbb3",
      "createdAt": "2023-11-01T21:51:05.504Z",
      "modifiedAt": "2023-11-01T21:51:05.504Z",
      "name": "b2biexample",
      "type": "edi"
    }
  ],
  "nextToken": "foo"
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListPartnerships

Lists the partnerships associated with your AWS account for your current or specified region. A partnership represents the connection between you and your trading partner. It ties together a profile and one or more trading capabilities.

## Request Syntax

```
{  
  "maxResults": number,  
  "nextToken": "string",  
  "profileId": "string"  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### [maxResults](#)

Specifies the maximum number of capabilities to return.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

### [nextToken](#)

When additional results are obtained from the command, a NextToken parameter is returned in the output. You can then pass the NextToken parameter in a subsequent command to continue listing additional resources.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

## profileId

Specifies the unique, system-generated identifier for the profile connected to this partnership.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

Required: No

## Response Syntax

```
{
  "nextToken": "string",
  "partnerships": [
    {
      "capabilities": [ "string" ],
      "capabilityOptions": {
        "inboundEdi": {
          "x12": {
            "acknowledgmentOptions": {
              "functionalAcknowledgment": "string",
              "technicalAcknowledgment": "string"
            }
          }
        }
      },
      "outboundEdi": { ... }
    },
    "createdAt": "string",
    "modifiedAt": "string",
    "name": "string",
    "partnershipId": "string",
    "profileId": "string",
    "tradingPartnerId": "string"
  ]
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### nextToken

When additional results are obtained from the command, a NextToken parameter is returned in the output. You can then pass the NextToken parameter in a subsequent command to continue listing additional resources.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

### partnerships

Specifies a list of your partnerships.

Type: Array of [PartnershipSummary](#) objects

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **InternalServerErrorException**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

#### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

### **ResourceNotFoundException**

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

### retryAfterSeconds

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

## ValidationException

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

### Note

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example returns details for the partnerships for the specified profile. Note that in this example, there is only one partnership listed: however, this call would return up to 50 partnerships.

### Sample Request

```
{
  "maxResults": 50,
  "nextToken": "foo",
  "profileId": "p-ABCDE111122223333"
}
```

### Sample Response

```
{
  "nextToken": "string",
  "partnerships": [
    {
      "capabilities": [
        "ca-1111aaaa2222bbbb3"
      ],
      "createdAt": "2023-11-01T21:51:05.504Z",
      "modifiedAt": "2023-11-01T21:51:05.504Z",
      "name": "b2bipartner",
      "partnershipId": "ps-5555zzzz4444yyyyy",
      "profileId": "p-ABCDE111122223333",
      "tradingPartnerId": "tp-1234abcd5678efghj"
    }
  ]
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListProfiles

Lists the profiles associated with your AWS account for your current or specified region. A profile is the mechanism used to create the concept of a private network.

## Request Syntax

```
{  
  "maxResults": number,  
  "nextToken": "string"  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### maxResults

Specifies the maximum number of profiles to return.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

### nextToken

When additional results are obtained from the command, a NextToken parameter is returned in the output. You can then pass the NextToken parameter in a subsequent command to continue listing additional resources.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

## Response Syntax

```
{
  "nextToken": "string",
  "profiles": [
    {
      "businessName": "string",
      "createdAt": "string",
      "logging": "string",
      "logGroupName": "string",
      "modifiedAt": "string",
      "name": "string",
      "profileId": "string"
    }
  ]
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### nextToken

When additional results are obtained from the command, a NextToken parameter is returned in the output. You can then pass the NextToken parameter in a subsequent command to continue listing additional resources.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

### profiles

Returns an array of ProfileSummary objects.

Type: Array of [ProfileSummary](#) objects

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

## AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

## InternalServerError

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

### retryAfterSeconds

The server attempts to retry a failed command.

HTTP Status Code: 500

## ThrottlingException

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

### retryAfterSeconds

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

## ValidationException

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

### Note

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example lists the profiles for your account and in your region. Note that in this example, there is only one profile listed: however, this call would return up to 5 profiles.

### Sample Request

```
{
  "maxResults": 5,
  "nextToken": "foo"
}
```

### Sample Response

```
{
  "nextToken": "foo",
  "profiles": [
    {
      "businessName": "John's Trucking",
      "createdAt": "2023-11-01T21:51:05.504Z",
      "logging": "ENABLED",
      "logGroupName": "b2bi/p-ABCDE111122223333-Logs",
      "name": "Shipping Profile",
      "profileId": "p-ABCDE111122223333"
    }
  ]
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListTagsForResource

Lists all of the tags associated with the Amazon Resource Name (ARN) that you specify. The resource can be a capability, partnership, profile, or transformer.

## Request Syntax

```
{  
  "ResourceARN": "string"  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### [ResourceARN](#)

Requests the tags associated with a particular Amazon Resource Name (ARN). An ARN is an identifier for a specific AWS resource, such as a capability, partnership, profile, or transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Required: Yes

## Response Syntax

```
{  
  "Tags": [  
    {  
      "Key": "string",  
      "Value": "string"  
    }  
  ]  
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### Tags

Returns the key-value pairs assigned to ARNs that you can use to group and search for resources by type. You can attach this metadata to resources (capabilities, partnerships, and so on) for any purpose.

Type: Array of [Tag](#) objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### **InternalServerErrorException**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

#### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

### **ResourceNotFoundException**

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

### **ValidationException**

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set

- An element length rule specifies a minimum length less than 0

**Note**

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example lists the tags for the specified profile.

#### Sample Request

```
{
  "ResourceARN": "arn:aws:b2bi:us-west-2:123456789012:profile/p-ABCDE111122223333"
}
```

#### Sample Response

```
{
  "Tags": [
    {
      "Key": "sampleKey",
      "Value": "SampleValue"
    }
  ]
}
```

```
    }  
  ]  
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListTransformers

Lists the available transformers. A transformer can take an EDI file as input and transform it into a JSON-or XML-formatted document. Alternatively, a transformer can take a JSON-or XML-formatted document as input and transform it into an EDI file.

## Request Syntax

```
{
  "maxResults": number,
  "nextToken": "string"
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### [maxResults](#)

Specifies the number of items to return for the API response.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

### [nextToken](#)

When additional results are obtained from the command, a NextToken parameter is returned in the output. You can then pass the NextToken parameter in a subsequent command to continue listing additional resources.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

## Response Syntax

```
{
  "nextToken": "string",
  "transformers": [
    {
      "createdAt": "string",
      "ediType": { ... },
      "fileFormat": "string",
      "inputConversion": {
        "advancedOptions": {
          "x12": {
            "splitOptions": {
              "splitBy": "string"
            },
            "validationOptions": {
              "validationRules": [
                { ... }
              ]
            }
          }
        }
      },
      "formatOptions": { ... },
      "fromFormat": "string"
    },
    {
      "mapping": {
        "template": "string",
        "templateLanguage": "string"
      },
      "mappingTemplate": "string",
      "modifiedAt": "string",
      "name": "string",
      "outputConversion": {
        "advancedOptions": {
          "x12": {
            "splitOptions": {
              "splitBy": "string"
            },
            "validationOptions": {
              "validationRules": [
                { ... }
              ]
            }
          }
        }
      }
    }
  ]
}
```

```
    }
  },
  "formatOptions": { ... },
  "toFormat": "string"
},
"sampleDocument": "string",
"sampleDocuments": {
  "bucketName": "string",
  "keys": [
    {
      "input": "string",
      "output": "string"
    }
  ]
},
"status": "string",
"transformerId": "string"
}
]
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### nextToken

When additional results are obtained from the command, a NextToken parameter is returned in the output. You can then pass the NextToken parameter in a subsequent command to continue listing additional resources.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

### transformers

Returns an array of one or more transformer objects.

For each transformer, a TransformerSummary object is returned. The TransformerSummary contains all the details for a specific transformer.

Type: Array of [TransformerSummary](#) objects

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **InternalServerError**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

#### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

### **ThrottlingException**

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

#### **retryAfterSeconds**

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

### **ValidationException**

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

**Note**

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example lists the transformers for your account and in your region. Note that in this example, there is only one transformer listed: however, this call would return up to 50 transformers.

### Sample Request

```
{
  "maxResults": 50,
  "nextToken": "foo"
}
```

### Sample Response

```
{
  "nextToken": "foo",
  "transformers": [
    {
```

```
    "createdAt": "2023-11-01T21:51:05.504Z",
    "ediType": {
      "x12Details": {
        "transactionSet": "X12_110",
        "version": "VERSION_4010"
      }
    },
    "fileFormat": "JSON",
    "mapping": {
      "templateLanguage": "JSONATA",
      "template": "$"
    },
    "modifiedAt": "2023-11-01T21:51:05.504Z",
    "name": "transformJSON",
    "sampleDocument": "s3://amzn-s3-demo-bucket/sampleDoc.txt",
    "status": "inactive",
    "transformerId": "tr-1234abcd5678efghj"
  }
]
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# StartTransformerJob

Runs a job, using a transformer, to parse input EDI (electronic data interchange) file into the output structures used by AWS B2B Data Interchange.

If you only want to transform EDI (electronic data interchange) documents, you don't need to create profiles, partnerships or capabilities. Just create and configure a transformer, and then run the `StartTransformerJob` API to process your files.

## Note

The system stores transformer jobs for 30 days. During that period, you can run [GetTransformerJob](#) and supply its `transformerId` and `transformerJobId` to return details of the job.

## Request Syntax

```
{
  "clientToken": "string",
  "inputFile": {
    "bucketName": "string",
    "key": "string"
  },
  "outputLocation": {
    "bucketName": "string",
    "key": "string"
  },
  "transformerId": "string"
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### [clientToken](#)

Reserved for future use.

Type: String

Required: No

### inputFile

Specifies the location of the input file for the transformation. The location consists of an Amazon S3 bucket and prefix.

Type: [S3Location](#) object

Required: Yes

### outputLocation

Specifies the location of the output file for the transformation. The location consists of an Amazon S3 bucket and prefix.

Type: [S3Location](#) object

Required: Yes

### transformerId

Specifies the system-assigned unique identifier for the transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

## Response Syntax

```
{  
  "transformerJobId": "string"  
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### **transformerJobId**

Returns the unique, system-generated identifier for a transformer run.

Type: String

Length Constraints: Fixed length of 25.

Pattern: [a-zA-Z0-9\_- ]+

## **Errors**

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **ConflictException**

A conflict exception is thrown when you attempt to delete a resource (such as a profile or a capability) that is being used by other resources.

HTTP Status Code: 400

### **InternalServerErrorException**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

#### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

### **ResourceNotFoundException**

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

### ThrottlingException

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

#### retryAfterSeconds

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

### ValidationException

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

#### Note

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example starts the processing for the specified input and output files.

#### Sample Request

```
{
  "clientToken": "foo",
  "inputFile": {
    "bucketName": "amzn-s3-demo-bucket",
    "key": "input/inputFile.txt"
  },
  "outputLocation": {
    "bucketName": "amzn-s3-demo-bucket",
    "key": "output/"
  },
  "transformerId": "tr-1234abcd5678efghj"
}
```

#### Sample Response

```
{
  "transformerJobId": "tj-zzzz9999yyyy8888xxxx77"
}
```

### See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# TagResource

Attaches a key-value pair to a resource, as identified by its Amazon Resource Name (ARN). Resources are capability, partnership, profile, transformers and other entities.

There is no response returned from this call.

## Request Syntax

```
{
  "ResourceARN": "string",
  "Tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### ResourceARN

Specifies an Amazon Resource Name (ARN) for a specific AWS resource, such as a capability, partnership, profile, or transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Required: Yes

### Tags

Specifies the key-value pairs assigned to ARNs that you can use to group and search for resources by type. You can attach this metadata to resources (capabilities, partnerships, and so on) for any purpose.

Type: Array of [Tag](#) objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: Yes

## Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### InternalServerError

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

#### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

### ResourceNotFoundException

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

### ThrottlingException

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

#### **retryAfterSeconds**

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

### ValidationException

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

**Note**

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example adds a tag to the specified profile.

#### Sample Request

```
{
  "ResourceARN": "arn:aws:b2bi:us-west-2:123456789012:profile/p-ABCDE111122223333",
  "Tags": [
    {
      "Key": "sampleKey",
      "Value": "SampleValue"
    }
  ]
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# TestConversion

This operation mimics the latter half of a typical Outbound EDI request. It takes an input JSON/XML in the B2Bi shape as input, converts it to an X12 EDI string, and return that string.

## Request Syntax

```
{
  "source": {
    "fileFormat": "string",
    "inputFile": { ... }
  },
  "target": {
    "advancedOptions": {
      "x12": {
        "splitOptions": {
          "splitBy": "string"
        },
        "validationOptions": {
          "validationRules": [
            { ... }
          ]
        }
      }
    }
  },
  "fileFormat": "string",
  "formatDetails": { ... },
  "outputSampleFile": { ... }
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### source

Specify the source file for an outbound EDI request.

Type: [ConversionSource](#) object

Required: Yes

### target

Specify the format (X12 is the only currently supported format), and other details for the conversion target.

Type: [ConversionTarget](#) object

Required: Yes

## Response Syntax

```
{
  "convertedFileContent": "string",
  "validationMessages": [ "string" ]
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### convertedFileContent

Returns the converted file content.

Type: String

### validationMessages

Returns an array of validation messages that AWS B2B Data Interchange generates during the conversion process. These messages include both standard EDI validation results and custom validation messages when custom validation rules are configured. Custom validation messages provide detailed feedback on element length constraints, code list validations, and element requirement checks applied during the outbound EDI generation process.

Type: Array of strings

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **InternalServerErrorException**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

#### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

### **ResourceNotFoundException**

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

#### **retryAfterSeconds**

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

### **ValidationException**

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

**Note**

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# TestMapping

Maps the input file according to the provided template file. The API call downloads the file contents from the Amazon S3 location, and passes the contents in as a string, to the `inputFileContent` parameter.

## Request Syntax

```
{
  "fileFormat": "string",
  "inputFileContent": "string",
  "mappingTemplate": "string"
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### fileFormat

Specifies that the currently supported file formats for EDI transformations are JSON and XML.

Type: String

Valid Values: XML | JSON | NOT\_USED

Required: Yes

### inputFileContent

Specify the contents of the EDI (electronic data interchange) XML or JSON file that is used as input for the transform.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 5000000.

Required: Yes

## mappingTemplate

Specifies the mapping template for the transformer. This template is used to map the parsed EDI file using JSONata or XSLT.

### Note

This parameter is available for backwards compatibility. Use the [Mapping](#) data type instead.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 350000.

Required: Yes

## Response Syntax

```
{  
  "mappedFileContent": "string"  
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### mappedFileContent

Returns a string for the mapping that can be used to identify the mapping. Similar to a fingerprint

Type: String

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

## **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

## **InternalServerError**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

## **ResourceNotFoundException**

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

## **ThrottlingException**

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

### **retryAfterSeconds**

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

## **ValidationException**

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

**Note**

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example maps the sample input string, using the JSONata mapping template \$.

#### Sample Request

```
{
  "fileFormat": "JSON",
  "inputFileContent": "<sample input string>",
  "mappingTemplate": "$"
}
```

#### Sample Response

```
{
  "mappedFileContent": "<mapped sample content >"
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# TestParsing

Parses the input EDI (electronic data interchange) file. The input file has a file size limit of 250 KB.

## Request Syntax

```
{
  "advancedOptions": {
    "x12": {
      "splitOptions": {
        "splitBy": "string"
      },
      "validationOptions": {
        "validationRules": [
          { ... }
        ]
      }
    }
  },
  "ediType": { ... },
  "fileFormat": "string",
  "inputFile": {
    "bucketName": "string",
    "key": "string"
  }
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### [advancedOptions](#)

Specifies advanced options for parsing the input EDI file. These options allow for more granular control over the parsing process, including split options for X12 files.

Type: [AdvancedOptions](#) object

Required: No

## ediType

Specifies the details for the EDI standard that is being used for the transformer. Currently, only X12 is supported. X12 is a set of standards and corresponding messages that define specific business documents.

Type: [EdiType](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

## fileFormat

Specifies that the currently supported file formats for EDI transformations are JSON and XML.

Type: String

Valid Values: XML | JSON | NOT\_USED

Required: Yes

## inputFile

Specifies an [S3Location](#) object, which contains the Amazon S3 bucket and prefix for the location of the input file.

Type: [S3Location](#) object

Required: Yes

## Response Syntax

```
{
  "parsedFileContent": "string",
  "parsedSplitFileContents": [ "string" ],
  "validationMessages": [ "string" ]
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### [parsedFileContent](#)

Returns the contents of the input file being tested, parsed according to the specified EDI (electronic data interchange) type.

Type: String

### [parsedSplitFileContents](#)

Returns an array of parsed file contents when the input file is split according to the specified split options. Each element in the array represents a separate split file's parsed content.

Type: Array of strings

### [validationMessages](#)

Returns an array of validation messages generated during EDI validation. These messages provide detailed information about validation errors, warnings, or confirmations based on the configured X12 validation rules such as element length constraints, code list validations, and element requirement checks. This field is populated when the TestParsing API validates EDI documents.

Type: Array of strings

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **InternalServerException**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

#### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

### **ResourceNotFoundException**

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

#### **retryAfterSeconds**

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

### **ValidationException**

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

#### **Note**

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes

- Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example parses the sample input file.

#### Sample Request

```
{
  "ediType": {
    "x12Details": {
      "transactionSet": "X12_110",
      "version": "VERSION_4010"
    }
  },
  "fileFormat": "JSON",
  "inputFile": {
    "bucketName": "amzn-s3-demo-bucket",
    "key": "sampleFile.txt"
  }
}
```

#### Sample Response

```
{
  "parsedFileContent": "<Sample parsed file content>"
}
```

### Example

The following example parses the sample input file with EDI splitting enabled.

#### Sample Request

```
{
  "ediType": {
```

```
    "x12Details": {
      "transactionSet": "X12_110",
      "version": "VERSION_4010"
    },
    "fileFormat": "JSON",
    "inputFile": {
      "bucketName": "amzn-s3-demo-bucket",
      "key": "input/batch-file.edi"
    },
    "advancedOptions": {
      "x12": {
        "splitOptions": {
          "splitBy": "TRANSACTION"
        }
      }
    }
  }
}
```

## Sample Response

```
{
  "parsedFileContent": ""
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

# UntagResource

Detaches a key-value pair from the specified resource, as identified by its Amazon Resource Name (ARN). Resources are capability, partnership, profile, transformers and other entities.

## Request Syntax

```
{
  "ResourceARN": "string",
  "TagKeys": [ "string" ]
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### ResourceARN

Specifies an Amazon Resource Name (ARN) for a specific AWS resource, such as a capability, partnership, profile, or transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Required: Yes

### TagKeys

Specifies the key-value pairs assigned to ARNs that you can use to group and search for resources by type. You can attach this metadata to resources (capabilities, partnerships, and so on) for any purpose.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

## Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### InternalServerError

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

#### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

### ResourceNotFoundException

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

### ValidationException

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

#### **Note**

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example removes the `sampleKey` tag from the specified profile..

#### Sample Request

```
{
  "ResourceARN": "arn:aws:b2bi:us-west-2:123456789012:profile/p-ABCDE111122223333",
  "TagKeys": [
    "sampleKey"
  ]
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)

- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UpdateCapability

Updates some of the parameters for a capability, based on the specified parameters. A trading capability contains the information required to transform incoming EDI documents into JSON or XML outputs.

## Request Syntax

```
{
  "capabilityId": "string",
  "configuration": { ... },
  "instructionsDocuments": [
    {
      "bucketName": "string",
      "key": "string"
    }
  ],
  "name": "string"
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### [capabilityId](#)

Specifies a system-assigned unique identifier for the capability.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

Required: Yes

### [configuration](#)

Specifies a structure that contains the details for a capability.

Type: [CapabilityConfiguration](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

### instructionsDocuments

Specifies one or more locations in Amazon S3, each specifying an EDI document that can be used with this capability. Each item contains the name of the bucket and the key, to identify the document's location.

Type: Array of [S3Location](#) objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

### name

Specifies a new name for the capability, to replace the existing name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

Required: No

## Response Syntax

```
{
  "capabilityArn": "string",
  "capabilityId": "string",
  "configuration": { ... },
  "createdAt": "string",
  "instructionsDocuments": [
    {
      "bucketName": "string",
      "key": "string"
    }
  ],
  "modifiedAt": "string",
  "name": "string",
  "type": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### capabilityArn

Returns an Amazon Resource Name (ARN) for a specific AWS resource, such as a capability, partnership, profile, or transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

### capabilityId

Returns a system-assigned unique identifier for the capability.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_- ]+

### configuration

Returns a structure that contains the details for a capability.

Type: [CapabilityConfiguration](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

### createdAt

Returns a timestamp for creation date and time of the capability.

Type: Timestamp

### instructionsDocuments

Returns one or more locations in Amazon S3, each specifying an EDI document that can be used with this capability. Each item contains the name of the bucket and the key, to identify the document's location.

Type: Array of [S3Location](#) objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

### **modifiedAt**

Returns a timestamp for last time the capability was modified.

Type: Timestamp

### **name**

Returns the name of the capability, used to identify it.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

### **type**

Returns the type of the capability. Currently, only `edi` is supported.

Type: String

Valid Values: `edi`

## **Errors**

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **ConflictException**

A conflict exception is thrown when you attempt to delete a resource (such as a profile or a capability) that is being used by other resources.

HTTP Status Code: 400

### **InternalServerErrorException**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

**retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

**ResourceNotFoundException**

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

**ServiceQuotaExceededException**

Occurs when the calling command attempts to exceed one of the service quotas, for example trying to create a capability when you already have the maximum number of capabilities allowed.

**quotaCode**

The quota that was exceeded, which caused the exception.

**resourceId**

The ID for the resource that exceeded the quota, which caused the exception.

**resourceType**

The resource type (profile, partnership, transformer, or capability) that exceeded the quota, which caused the exception.

**serviceCode**

The code responsible for exceeding the quota, which caused the exception.

HTTP Status Code: 400

**ThrottlingException**

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

**retryAfterSeconds**

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

## ValidationException

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

### Note

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example updates a capability.

### Sample Request

```
{
  "capabilityId": "ca-1111aaaa2222bbbb3",
  "name": "b2biexample",
  "instructionsDocuments": [
```

```
{
  "bucketName": "amzn-s3-demo-bucket",
  "key": "instructiondoc.txt"
},
"configuration": {
  "edi": {
    "type": {
      "x12Details": {
        "transactionSet": "X12_110",
        "version": "VERSION_4010"
      }
    },
    "inputLocation": {
      "bucketName": "amzn-s3-demo-bucket",
      "key": "input/"
    },
    "outputLocation": {
      "bucketName": "amzn-s3-demo-bucket",
      "key": "output/"
    },
    "transformerId": "tr-1234abcd5678efghj"
  }
}
```

## Sample Response

```
{
  "capabilityArn": "arn:aws:b2bi:us-west-2:123456789012:capability/ca-1111aaaa2222bbbb3",
  "capabilityId": "ca-1111aaaa2222bbbb3",
  "configuration": {
    "edi": {
      "type": {
        "x12Details": {
          "transactionSet": "X12_110",
          "version": "VERSION_4010"
        }
      },
      "inputLocation": {
        "bucketName": "amzn-s3-demo-bucket",
        "key": "input/"
      }
    }
  }
}
```

```
    },
    "outputLocation": {
      "bucketName": "amzn-s3-demo-bucket",
      "key": "output/"
    },
    "transformerId": "tr-1234abcd5678efghj"
  }
},
"createdAt": "2023-11-01T21:51:05.504Z",
"instructionsDocuments": [
  {
    "bucketName": "amzn-s3-demo-bucket",
    "key": "instructiondoc.txt"
  }
],
"modifiedAt": "2023-11-01T21:51:05.504Z",
"name": "b2biexample",
"type": "edi"
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UpdatePartnership

Updates some of the parameters for a partnership between a customer and trading partner. A partnership represents the connection between you and your trading partner. It ties together a profile and one or more trading capabilities.

## Request Syntax

```
{
  "capabilities": [ "string" ],
  "capabilityOptions": {
    "inboundEdi": {
      "x12": {
        "acknowledgmentOptions": {
          "functionalAcknowledgment": "string",
          "technicalAcknowledgment": "string"
        }
      }
    }
  },
  "outboundEdi": { ... }
},
"name": "string",
"partnershipId": "string"
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### capabilities

List of the capabilities associated with this partnership.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

Required: No

## capabilityOptions

To update, specify the structure that contains the details for the associated capabilities.

Type: [CapabilityOptions](#) object

Required: No

### name

The name of the partnership, used to identify it.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

Required: No

### partnershipId

Specifies the unique, system-generated identifier for a partnership.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

Required: Yes

## Response Syntax

```
{
  "capabilities": [ "string" ],
  "capabilityOptions": {
    "inboundEdi": {
      "x12": {
        "acknowledgmentOptions": {
          "functionalAcknowledgment": "string",
          "technicalAcknowledgment": "string"
        }
      }
    }
  },
}
```

```
    "outboundEdi": { ... }
  },
  "createdAt": "string",
  "email": "string",
  "modifiedAt": "string",
  "name": "string",
  "partnershipArn": "string",
  "partnershipId": "string",
  "phone": "string",
  "profileId": "string",
  "tradingPartnerId": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### capabilities

Returns one or more capabilities associated with this partnership.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

### capabilityOptions

Returns the structure that contains the details for the associated capabilities.

Type: [CapabilityOptions](#) object

### createdAt

Returns a timestamp that identifies the most recent date and time that the partnership was modified.

Type: Timestamp

### email

Returns the email address associated with this trading partner.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 254.

Pattern: `[\w\.\-]+@[\w\.\-]+`

### modifiedAt

Returns a timestamp that identifies the most recent date and time that the partnership was modified.

Type: Timestamp

### name

The name of the partnership, used to identify it.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

### partnershipArn

Returns an Amazon Resource Name (ARN) for a specific AWS resource, such as a capability, partnership, profile, or transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

### partnershipId

Returns the unique, system-generated identifier for a partnership.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

### phone

Returns the phone number associated with the partnership.

Type: String

Length Constraints: Minimum length of 7. Maximum length of 22.

Pattern: `\+?([\0-9 \t\-\(\)\|/]{7,})(?:\s*(?:#|x\.?|ext\.?|extension) \t*(\d+))?`

### profileId

Returns the unique, system-generated identifier for the profile connected to this partnership.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

### tradingPartnerId

Returns the unique, system-generated identifier for a trading partner.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **ConflictException**

A conflict exception is thrown when you attempt to delete a resource (such as a profile or a capability) that is being used by other resources.

HTTP Status Code: 400

### **InternalServerError**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

**retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

**ResourceNotFoundException**

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

**ServiceQuotaExceededException**

Occurs when the calling command attempts to exceed one of the service quotas, for example trying to create a capability when you already have the maximum number of capabilities allowed.

**quotaCode**

The quota that was exceeded, which caused the exception.

**resourceId**

The ID for the resource that exceeded the quota, which caused the exception.

**resourceType**

The resource type (profile, partnership, transformer, or capability) that exceeded the quota, which caused the exception.

**serviceCode**

The code responsible for exceeding the quota, which caused the exception.

HTTP Status Code: 400

**ThrottlingException**

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

**retryAfterSeconds**

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

## ValidationException

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

### Note

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example updates a partnership.

### Sample Request

```
{
  "capabilities": [
    "ca-1111aaaa2222bbbb3"
  ],
}
```

```
"name": "b2bipartner",
"partnershipId": "ps-5555zzzz4444yyyyy"
}
```

## Sample Response

```
{
  "capabilities": [
    "ca-1111aaaa2222bbbb3"
  ],
  "createdAt": "2023-11-01T21:51:05.504Z",
  "email": "john@example.com",
  "modifiedAt": "2023-11-01T21:51:05.504Z",
  "name": "b2bipartner",
  "partnershipArn": "arn:aws:b2bi:us-west-2:123456789012:partnership/ps-5555zzzz4444yyyyy",
  "partnershipId": "ps-5555zzzz4444yyyyy",
  "phone": "5555555555",
  "profileId": "p-ABCDE111122223333",
  "tradingPartnerId": "tp-11112222333344445"
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UpdateProfile

Updates the specified parameters for a profile. A profile is the mechanism used to create the concept of a private network.

## Request Syntax

```
{
  "businessName": "string",
  "email": "string",
  "name": "string",
  "phone": "string",
  "profileId": "string"
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### [businessName](#)

Specifies the name for the business associated with this profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

Required: No

### [email](#)

Specifies the email address associated with this customer profile.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 254.

Pattern: `[\w\.\-]+@[\w\.\-]+`

Required: No

## name

The name of the profile, used to identify it.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

Required: No

## phone

Specifies the phone number associated with the profile.

Type: String

Length Constraints: Minimum length of 7. Maximum length of 22.

Pattern: `\+?([0-9 \t\-\(\)\|/]{7,})(?:\s*(?:#|x\.?|ext\.?|extension) \t*(\d+))?`

Required: No

## profileId

Specifies the unique, system-generated identifier for the profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

## Response Syntax

```
{
  "businessName": "string",
  "createdAt": "string",
  "email": "string",
  "logging": "string",
  "logGroupName": "string",
  "modifiedAt": "string",
```

```
"name": "string",  
"phone": "string",  
"profileArn": "string",  
"profileId": "string"  
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### businessName

Returns the name for the business associated with this profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

### createdAt

Returns a timestamp for creation date and time of the profile.

Type: Timestamp

### email

Returns the email address associated with this customer profile.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 254.

Pattern: `[\w\.\-]+@[\w\.\-]+`

### logging

Specifies whether or not logging is enabled for this profile.

Type: String

Valid Values: ENABLED | DISABLED

### logGroupName

Returns the name of the logging group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

### modifiedAt

Returns a timestamp for last time the profile was modified.

Type: Timestamp

### name

Returns the name of the profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

### phone

Returns the phone number associated with the profile.

Type: String

Length Constraints: Minimum length of 7. Maximum length of 22.

Pattern: `\+?([0-9 \t\-\(\)\|/]{7,})(?:\s*(?:#\|x\.?|ext\.?|extension) \t*(\d+))?`

### profileArn

Returns an Amazon Resource Name (ARN) for the profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

### profileId

Returns the unique, system-generated identifier for the profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **ConflictException**

A conflict exception is thrown when you attempt to delete a resource (such as a profile or a capability) that is being used by other resources.

HTTP Status Code: 400

### **InternalServerErrorException**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

#### **retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

### **ResourceNotFoundException**

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

### **ServiceQuotaExceededException**

Occurs when the calling command attempts to exceed one of the service quotas, for example trying to create a capability when you already have the maximum number of capabilities allowed.

#### **quotaCode**

The quota that was exceeded, which caused the exception.

#### **resourceId**

The ID for the resource that exceeded the quota, which caused the exception.

## resourceType

The resource type (profile, partnership, transformer, or capability) that exceeded the quota, which caused the exception.

## serviceCode

The code responsible for exceeding the quota, which caused the exception.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

## retryAfterSeconds

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

## ValidationException

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

### Note

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints

- Code list validations contain invalid codes
- Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example updates a profile.

#### Sample Request

```
{
  "businessName": "John's Shipping",
  "email": "john@example.com",
  "name": "Shipping Profile",
  "phone": "5555555555",
  "profileId": "p-ABCDE111122223333"
}
```

#### Sample Response

```
{
  "businessName": "John's Trucking",
  "createdAt": "2023-11-01T21:51:05.504Z",
  "email": "john@example.com",
  "logging": "ENABLED",
  "logGroupName": "b2bi/p-ABCDE111122223333-Logs",
  "modifiedAt": "2023-11-02T21:51:05.504Z",
  "name": "Shipping Profile",
  "phone": "5555555555",
  "profileArn": "arn:aws:b2bi:us-west-2:123456789012:profile/p-ABCDE111122223333",
  "profileId": "p-ABCDE111122223333"
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UpdateTransformer

Updates the specified parameters for a transformer. A transformer can take an EDI file as input and transform it into a JSON-or XML-formatted document. Alternatively, a transformer can take a JSON-or XML-formatted document as input and transform it into an EDI file.

## Request Syntax

```
{
  "ediType": { ... },
  "fileFormat": "string",
  "inputConversion": {
    "advancedOptions": {
      "x12": {
        "splitOptions": {
          "splitBy": "string"
        },
        "validationOptions": {
          "validationRules": [
            { ... }
          ]
        }
      }
    }
  },
  "formatOptions": { ... },
  "fromFormat": "string"
},
"mapping": {
  "template": "string",
  "templateLanguage": "string"
},
"mappingTemplate": "string",
"name": "string",
"outputConversion": {
  "advancedOptions": {
    "x12": {
      "splitOptions": {
        "splitBy": "string"
      },
      "validationOptions": {
        "validationRules": [
          { ... }
        ]
      }
    }
  }
}
```

```

    ]
  }
}
},
"formatOptions": { ... },
"toFormat": "string"
},
"sampleDocument": "string",
"sampleDocuments": {
  "bucketName": "string",
  "keys": [
    {
      "input": "string",
      "output": "string"
    }
  ]
}
},
"status": "string",
"transformerId": "string"
}

```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#).

The request accepts the following data in JSON format.

### ediType

*This parameter has been deprecated.*

Specifies the details for the EDI standard that is being used for the transformer. Currently, only X12 is supported. X12 is a set of standards and corresponding messages that define specific business documents.

Type: [EdiType](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

### fileFormat

*This parameter has been deprecated.*

Specifies that the currently supported file formats for EDI transformations are JSON and XML.

Type: String

Valid Values: XML | JSON | NOT\_USED

Required: No

### inputConversion

To update, specify the `InputConversion` object, which contains the format options for the inbound transformation.

Type: [InputConversion](#) object

Required: No

### mapping

Specify the structure that contains the mapping template and its language (either XSLT or JSONATA).

Type: [Mapping](#) object

Required: No

### mappingTemplate

*This parameter has been deprecated.*

Specifies the mapping template for the transformer. This template is used to map the parsed EDI file using JSONata or XSLT.

#### **Note**

This parameter is available for backwards compatibility. Use the [Mapping](#) data type instead.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 350000.

Required: No

## name

Specify a new name for the transformer, if you want to update it.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

Pattern: `[a-zA-Z0-9_-]{1,512}`

Required: No

## outputConversion

To update, specify the `OutputConversion` object, which contains the format options for the outbound transformation.

Type: [OutputConversion](#) object

Required: No

## sampleDocument

*This parameter has been deprecated.*

Specifies a sample EDI document that is used by a transformer as a guide for processing the EDI data.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

## sampleDocuments

Specify a structure that contains the Amazon S3 bucket and an array of the corresponding keys used to identify the location for your sample documents.

Type: [SampleDocuments](#) object

Required: No

## status

Specifies the transformer's status. You can update the state of the transformer from `inactive` to `active`.

Type: String

Valid Values: active | inactive

Required: No

### transformerId

Specifies the system-assigned unique identifier for the transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

Required: Yes

## Response Syntax

```
{
  "createdAt": "string",
  "ediType": { ... },
  "fileFormat": "string",
  "inputConversion": {
    "advancedOptions": {
      "x12": {
        "splitOptions": {
          "splitBy": "string"
        },
        "validationOptions": {
          "validationRules": [
            { ... }
          ]
        }
      }
    }
  },
  "formatOptions": { ... },
  "fromFormat": "string"
},
"mapping": {
  "template": "string",
  "templateLanguage": "string"
},
}
```

```

"mappingTemplate": "string",
"modifiedAt": "string",
"name": "string",
"outputConversion": {
  "advancedOptions": {
    "x12": {
      "splitOptions": {
        "splitBy": "string"
      },
      "validationOptions": {
        "validationRules": [
          { ... }
        ]
      }
    }
  },
  "formatOptions": { ... },
  "toFormat": "string"
},
"sampleDocument": "string",
"sampleDocuments": {
  "bucketName": "string",
  "keys": [
    {
      "input": "string",
      "output": "string"
    }
  ]
},
"status": "string",
"transformerArn": "string",
"transformerId": "string"
}

```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### createdAt

Returns a timestamp for creation date and time of the transformer.

Type: Timestamp

### ediType

*This parameter has been deprecated.*

Returns the details for the EDI standard that is being used for the transformer. Currently, only X12 is supported. X12 is a set of standards and corresponding messages that define specific business documents.

Type: [EdiType](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

### fileFormat

*This parameter has been deprecated.*

Returns that the currently supported file formats for EDI transformations are JSON and XML.

Type: String

Valid Values: XML | JSON | NOT\_USED

### inputConversion

Returns the InputConversion object, which contains the format options for the inbound transformation.

Type: [InputConversion](#) object

### mapping

Returns the structure that contains the mapping template and its language (either XSLT or JSONATA).

Type: [Mapping](#) object

### mappingTemplate

*This parameter has been deprecated.*

Returns the mapping template for the transformer. This template is used to map the parsed EDI file using JSONata or XSLT.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 350000.

### modifiedAt

Returns a timestamp for last time the transformer was modified.

Type: Timestamp

### name

Returns the name of the transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

Pattern: [a-zA-Z0-9\_-]{1,512}

### outputConversion

Returns the `OutputConversion` object, which contains the format options for the outbound transformation.

Type: [OutputConversion](#) object

### sampleDocument

*This parameter has been deprecated.*

Returns a sample EDI document that is used by a transformer as a guide for processing the EDI data.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

### sampleDocuments

Returns a structure that contains the Amazon S3 bucket and an array of the corresponding keys used to identify the location for your sample documents.

Type: [SampleDocuments](#) object

### status

Returns the state of the newly created transformer. The transformer can be either `active` or `inactive`. For the transformer to be used in a capability, its status must be `active`.

Type: String

Valid Values: active | inactive

### transformerArn

Returns an Amazon Resource Name (ARN) for a specific AWS resource, such as a capability, partnership, profile, or transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

### transformerId

Returns the system-assigned unique identifier for the transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

### **ConflictException**

A conflict exception is thrown when you attempt to delete a resource (such as a profile or a capability) that is being used by other resources.

HTTP Status Code: 400

### **InternalServerError**

This exception is thrown when an error occurs in the AWS B2B Data Interchange service.

**retryAfterSeconds**

The server attempts to retry a failed command.

HTTP Status Code: 500

**ResourceNotFoundException**

Occurs when the requested resource does not exist, or cannot be found. In some cases, the resource exists in a region other than the region specified in the API call.

HTTP Status Code: 400

**ServiceQuotaExceededException**

Occurs when the calling command attempts to exceed one of the service quotas, for example trying to create a capability when you already have the maximum number of capabilities allowed.

**quotaCode**

The quota that was exceeded, which caused the exception.

**resourceId**

The ID for the resource that exceeded the quota, which caused the exception.

**resourceType**

The resource type (profile, partnership, transformer, or capability) that exceeded the quota, which caused the exception.

**serviceCode**

The code responsible for exceeding the quota, which caused the exception.

HTTP Status Code: 400

**ThrottlingException**

The request was denied due to throttling: the data speed and rendering may be limited depending on various parameters and conditions.

**retryAfterSeconds**

The server attempts to retry a command that was throttled.

HTTP Status Code: 400

## ValidationException

When you use Transformer APIs, `TestConversion`, or `TestParsing`, the service throws a validation exception if a rule is configured incorrectly. For example, a validation exception occurs when:

- A rule references an element that doesn't exist in the selected transaction set
- An element length rule specifies a minimum length less than 0

### Note

If your custom validation rules are configured correctly but the EDI validation fails due to those rules, this is expected behavior and doesn't result in a `ValidationException`.

For all other API operations, a validation exception occurs when a Trading Partner object can't be validated against a request from another object. This can happen during:

- Standard EDI validation
- Custom validation rule evaluation, such as when:
  - Element lengths don't meet specified constraints
  - Code list validations contain invalid codes
  - Required elements are missing based on your element requirement rules

HTTP Status Code: 400

## Examples

### Example

The following example updates a transformer.

### Sample Request

```
{
  "ediType": {
    "x12Details": {
      "transactionSet": "X12_110",
      "version": "VERSION_4010"
    }
  }
}
```

```
    }
  },
  "mapping": {
    "templateLanguage": "JSONATA",
    "template": "{}"
  },
  "name": "transformJSON",
  "sampleDocument": "s3://amzn-s3-demo-bucket/sampleDoc.txt",
  "status": "inactive",
  "transformerId": "tr-1234abcd5678efghj"
}
```

## Sample Response

```
{
  "createdAt": "2023-11-01T21:51:05.504Z",
  "ediType": {
    "x12Details": {
      "transactionSet": "X12_110",
      "version": "VERSION_4010"
    }
  },
  "mapping": {
    "templateLanguage": "JSONATA",
    "template": "$"
  },
  "modifiedAt": "2023-11-01T21:51:05.504Z",
  "name": "transformJSON",
  "sampleDocument": "s3://amzn-s3-demo-bucket/sampleDoc.txt",
  "status": "inactive",
  "transformerArn": "arn:aws:b2bi:us-west-2:607686414464:transformer/tr-1234abcd5678efghj",
  "transformerId": "tr-1234abcd5678efghj"
}
```

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)

- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# Data Types

The AWS B2B Data Interchange API contains several data types that various actions use. This section describes each data type in detail.

## Note

The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- [AdvancedOptions](#)
- [CapabilityConfiguration](#)
- [CapabilityOptions](#)
- [CapabilitySummary](#)
- [ConversionSource](#)
- [ConversionTarget](#)
- [ConversionTargetFormatDetails](#)
- [EdiConfiguration](#)
- [EdiType](#)
- [FormatOptions](#)
- [InboundEdiOptions](#)
- [InputConversion](#)
- [InputFileSource](#)
- [Mapping](#)
- [OutboundEdiOptions](#)
- [OutputConversion](#)
- [OutputSampleFileSource](#)
- [PartnershipSummary](#)
- [ProfileSummary](#)
- [S3Location](#)

- [SampleDocumentKeys](#)
- [SampleDocuments](#)
- [Tag](#)
- [TemplateDetails](#)
- [TransformerSummary](#)
- [WrapOptions](#)
- [X12AcknowledgmentOptions](#)
- [X12AdvancedOptions](#)
- [X12CodeListValidationRule](#)
- [X12ControlNumbers](#)
- [X12Delimiters](#)
- [X12Details](#)
- [X12ElementLengthValidationRule](#)
- [X12ElementRequirementValidationRule](#)
- [X12Envelope](#)
- [X12FunctionalGroupHeaders](#)
- [X12InboundEdiOptions](#)
- [X12InterchangeControlHeaders](#)
- [X12OutboundEdiHeaders](#)
- [X12SplitOptions](#)
- [X12ValidationOptions](#)
- [X12ValidationRule](#)

# AdvancedOptions

A structure that contains advanced options for EDI processing. Currently, only X12 advanced options are supported.

## Contents

### x12

A structure that contains X12-specific advanced options, such as split options for processing X12 EDI files.

Type: [X12AdvancedOptions](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# CapabilityConfiguration

A capability object. Currently, only EDI (electronic data interchange) capabilities are supported. A trading capability contains the information required to transform incoming EDI documents into JSON or XML outputs.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

## edi

An EDI (electronic data interchange) configuration object.

Type: [EdiConfiguration](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# CapabilityOptions

Contains the details for an Outbound EDI capability.

## Contents

### **inboundEdi**

A structure that contains the inbound EDI options for the capability.

Type: [InboundEdiOptions](#) object

Required: No

### **outboundEdi**

A structure that contains the outbound EDI options.

Type: [OutboundEdiOptions](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# CapabilitySummary

Returns the capability summary details. A trading capability contains the information required to transform incoming EDI documents into JSON or XML outputs.

## Contents

### **capabilityId**

Returns a system-assigned unique identifier for the capability.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

Required: Yes

### **createdAt**

Returns a timestamp for creation date and time of the capability.

Type: Timestamp

Required: Yes

### **name**

The display name of the capability.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

Required: Yes

### **type**

Returns the type of the capability. Currently, only `edi` is supported.

Type: String

Valid Values: `edi`

Required: Yes

### **modifiedAt**

Returns a timestamp that identifies the most recent date and time that the capability was modified.

Type: Timestamp

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# ConversionSource

Describes the input for an outbound transformation.

## Contents

### fileFormat

The format for the input file: either JSON or XML.

Type: String

Valid Values: JSON | XML

Required: Yes

### inputFile

The input file to use for an outbound transformation.

Type: [InputFileSource](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# ConversionTarget

Provide a sample of what the output of the transformation should look like.

## Contents

### fileFormat

Currently, only X12 format is supported.

Type: String

Valid Values: X12

Required: Yes

### advancedOptions

A structure that contains advanced options for EDI processing. Currently, only X12 advanced options are supported.

Type: [AdvancedOptions](#) object

Required: No

### formatDetails

A structure that contains the formatting details for the conversion target.

Type: [ConversionTargetFormatDetails](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

### outputSampleFile

Container for the location of a sample file used for outbound transformations.

Type: [OutputSampleFileSource](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# ConversionTargetFormatDetails

Contains a structure describing the X12 details for the conversion target.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

## x12

A structure that contains the X12 transaction set and version. The X12 structure is used when the system transforms an EDI (electronic data interchange) file.

### Note

If an EDI input file contains more than one transaction, each transaction must have the same transaction set and version, for example 214/4010. If not, the transformer cannot parse the file.

Type: [X12Details](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# EdiConfiguration

Specifies the details for the EDI (electronic data interchange) transformation.

## Contents

### inputLocation

Contains the Amazon S3 bucket and prefix for the location of the input file, which is contained in an `S3Location` object.

Type: [S3Location](#) object

Required: Yes

### outputLocation

Contains the Amazon S3 bucket and prefix for the location of the output file, which is contained in an `S3Location` object.

Type: [S3Location](#) object

Required: Yes

### transformerId

Returns the system-assigned unique identifier for the transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

### type

Returns the type of the capability. Currently, only `edi` is supported.

Type: [EdiType](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

## capabilityDirection

Specifies whether this is capability is for inbound or outbound transformations.

Type: String

Valid Values: INBOUND | OUTBOUND

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# EdiType

Specifies the details for the EDI standard that is being used for the transformer. Currently, only X12 is supported. X12 is a set of standards and corresponding messages that define specific business documents.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### x12Details

Returns the details for the EDI standard that is being used for the transformer. Currently, only X12 is supported. X12 is a set of standards and corresponding messages that define specific business documents.

Type: [X12Details](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# FormatOptions

A structure that contains the X12 transaction set and version.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

## x12

A structure that contains the X12 transaction set and version. The X12 structure is used when the system transforms an EDI (electronic data interchange) file.

### Note

If an EDI input file contains more than one transaction, each transaction must have the same transaction set and version, for example 214/4010. If not, the transformer cannot parse the file.

Type: [X12Details](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# InboundEdiOptions

Contains options for processing inbound EDI files. These options allow for customizing how incoming EDI documents are processed.

## Contents

### x12

A structure that contains X12-specific options for processing inbound X12 EDI files.

Type: [X12InboundEdiOptions](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# InputConversion

Contains the input formatting options for an inbound transformer (takes an X12-formatted EDI document as input and converts it to JSON or XML).

## Contents

### fromFormat

The format for the transformer input: currently on X12 is supported.

Type: String

Valid Values: X12

Required: Yes

### advancedOptions

Specifies advanced options for the input conversion process. These options provide additional control over how EDI files are processed during transformation.

Type: [AdvancedOptions](#) object

Required: No

### formatOptions

A structure that contains the formatting options for an inbound transformer.

Type: [FormatOptions](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# InputFileSource

The input file to use for an outbound transformation.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### fileContent

Specify the input contents, as a string, for the source of an outbound transformation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5000000.

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# Mapping

Specifies the mapping template for the transformer. This template is used to map the parsed EDI file using JSONata or XSLT.

## Contents

### templateLanguage

The transformation language for the template, either XSLT or JSONATA.

Type: String

Valid Values: XSLT | JSONATA

Required: Yes

### template

A string that represents the mapping template, in the transformation language specified in `templateLanguage`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 350000.

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# OutboundEdiOptions

A container for outbound EDI options.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### x12

A structure that contains an X12 envelope structure.

Type: [X12Envelope](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# OutputConversion

Contains the formatting options for an outbound transformer (takes JSON or XML as input and converts it to an EDI document (currently only X12 format is supported)).

## Contents

### toFormat

The format for the output from an outbound transformer: only X12 is currently supported.

Type: String

Valid Values: X12

Required: Yes

### advancedOptions

A structure that contains advanced options for EDI processing. Currently, only X12 advanced options are supported.

Type: [AdvancedOptions](#) object

Required: No

### formatOptions

A structure that contains the X12 transaction set and version for the transformer output.

Type: [FormatOptions](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# OutputSampleFileSource

Container for the location of a sample file used for outbound transformations.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### fileLocation

Specifies the details for the Amazon S3 file location that is being used with AWS B2B Data Interchange. File locations in Amazon S3 are identified using a combination of the bucket and key.

Type: [S3Location](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# PartnershipSummary

A structure that contains the details for a partnership. A partnership represents the connection between you and your trading partner. It ties together a profile and one or more trading capabilities.

## Contents

### **createdAt**

Returns a timestamp for creation date and time of the partnership.

Type: Timestamp

Required: Yes

### **partnershipId**

Returns the unique, system-generated identifier for a partnership.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

Required: Yes

### **profileId**

Returns the unique, system-generated identifier for the profile connected to this partnership.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

Required: Yes

### **capabilities**

Returns one or more capabilities associated with this partnership.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

Required: No

### **capabilityOptions**

Contains the details for an Outbound EDI capability.

Type: [CapabilityOptions](#) object

Required: No

### **modifiedAt**

Returns a timestamp that identifies the most recent date and time that the partnership was modified.

Type: Timestamp

Required: No

### **name**

Returns the name of the partnership.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

Required: No

### **tradingPartnerId**

Returns the unique, system-generated identifier for a trading partner.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# ProfileSummary

Contains the details for a profile. A profile is the mechanism used to create the concept of a private network.

## Contents

### **businessName**

Returns the name for the business associated with this profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

Required: Yes

### **createdAt**

Returns the timestamp for creation date and time of the profile.

Type: Timestamp

Required: Yes

### **name**

Returns the display name for profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

Required: Yes

### **profileId**

Returns the unique, system-generated identifier for the profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

## logging

Specifies whether or not logging is enabled for this profile.

Type: String

Valid Values: ENABLED | DISABLED

Required: No

## logGroupName

Returns the name of the logging group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

## modifiedAt

Returns the timestamp that identifies the most recent date and time that the profile was modified.

Type: Timestamp

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

## S3Location

Specifies the details for the Amazon S3 file location that is being used with AWS B2B Data Interchange. File locations in Amazon S3 are identified using a combination of the bucket and key.

### Contents

#### bucketName

Specifies the name of the Amazon S3 bucket.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Required: No

#### key

Specifies the Amazon S3 key for the file location.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

### See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# SampleDocumentKeys

An array of the Amazon S3 keys used to identify the location for your sample documents.

## Contents

### input

An array of keys for your input sample documents.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

### output

An array of keys for your output sample documents.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# SampleDocuments

Describes a structure that contains the Amazon S3 bucket and an array of the corresponding keys used to identify the location for your sample documents.

## Contents

### bucketName

Contains the Amazon S3 bucket that is used to hold your sample documents.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Required: Yes

### keys

Contains an array of the Amazon S3 keys used to identify the location for your sample documents.

Type: Array of [SampleDocumentKeys](#) objects

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# Tag

Creates a key-value pair for a specific resource. Tags are metadata that you can use to search for and group a resource for various purposes. You can apply tags to capabilities, partnerships, profiles and transformers. A tag key can take more than one value. For example, to group capabilities for accounting purposes, you might create a tag called Group and assign the values Research and Accounting to that group.

## Contents

### Key

Specifies the name assigned to the tag that you create.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

### Value

Contains one or more values that you assigned to the key name that you create.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# TemplateDetails

A data structure that contains the information to use when generating a mapping template.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

## x12

A structure that contains the X12 transaction set and version. The X12 structure is used when the system transforms an EDI (electronic data interchange) file.

### Note

If an EDI input file contains more than one transaction, each transaction must have the same transaction set and version, for example 214/4010. If not, the transformer cannot parse the file.

Type: [X12Details](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# TransformerSummary

Contains the details for a transformer object. A transformer can take an EDI file as input and transform it into a JSON-or XML-formatted document. Alternatively, a transformer can take a JSON-or XML-formatted document as input and transform it into an EDI file.

## Contents

### **createdAt**

Returns a timestamp indicating when the transformer was created. For example, `2023-07-20T19:58:44.624Z`.

Type: Timestamp

Required: Yes

### **name**

Returns the descriptive name for the transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

Pattern: `[a-zA-Z0-9_-]{1,512}`

Required: Yes

### **status**

Returns the state of the newly created transformer. The transformer can be either `active` or `inactive`. For the transformer to be used in a capability, its status must be `active`.

Type: String

Valid Values: `active` | `inactive`

Required: Yes

### **transformerId**

Returns the system-assigned unique identifier for the transformer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [a-zA-Z0-9\_-]+

Required: Yes

## ediType

*This member has been deprecated.*

Returns the details for the EDI standard that is being used for the transformer. Currently, only X12 is supported. X12 is a set of standards and corresponding messages that define specific business documents.

Type: [EdiType](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

## fileFormat

*This member has been deprecated.*

Returns that the currently supported file formats for EDI transformations are JSON and XML.

Type: String

Valid Values: XML | JSON | NOT\_USED

Required: No

## inputConversion

Returns a structure that contains the format options for the transformation.

Type: [InputConversion](#) object

Required: No

## mapping

Returns the structure that contains the mapping template and its language (either XSLT or JSONATA).

Type: [Mapping](#) object

Required: No

### **mappingTemplate**

*This member has been deprecated.*

Returns the mapping template for the transformer. This template is used to map the parsed EDI file using JSONata or XSLT.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 350000.

Required: No

### **modifiedAt**

Returns a timestamp representing the date and time for the most recent change for the transformer object.

Type: Timestamp

Required: No

### **outputConversion**

Returns the `OutputConversion` object, which contains the format options for the outbound transformation.

Type: [OutputConversion](#) object

Required: No

### **sampleDocument**

*This member has been deprecated.*

Returns a sample EDI document that is used by a transformer as a guide for processing the EDI data.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

## **sampleDocuments**

Returns a structure that contains the Amazon S3 bucket and an array of the corresponding keys used to identify the location for your sample documents.

Type: [SampleDocuments](#) object

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# WrapOptions

Contains options for wrapping (line folding) in X12 EDI files. Wrapping controls how long lines are handled in the EDI output.

## Contents

### wrapBy

Specifies the method used for wrapping lines in the EDI output. Valid values:

- **SEGMENT**: Wraps by segment.
- **ONE\_LINE**: Indicates that the entire content is on a single line.

#### Note

When you specify **ONE\_LINE**, do not provide either the line length nor the line terminator value.

- **LINE\_LENGTH**: Wraps by character count, as specified by `lineLength` value.

Type: String

Valid Values: **SEGMENT** | **ONE\_LINE** | **LINE\_LENGTH**

Required: Yes

### lineLength

Specifies the maximum length of a line before wrapping occurs. This value is used when `wrapBy` is set to **LINE\_LENGTH**.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

### lineTerminator

Specifies the character sequence used to terminate lines when wrapping. Valid values:

- **CRLF**: carriage return and line feed

- LF: line feed)
- CR: carriage return

Type: String

Valid Values: CRLF | LF | CR

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# X12AcknowledgmentOptions

Contains options for configuring X12 acknowledgments. These options control how functional and technical acknowledgments are handled.

## Contents

### functionalAcknowledgment

Specifies whether functional acknowledgments (997/999) should be generated for incoming X12 transactions. Valid values are `DO_NOT_GENERATE`, `GENERATE_ALL_SEGMENTS` and `GENERATE_WITHOUT_TRANSACTION_SET_RESPONSE_LOOP`.

If you choose `GENERATE_WITHOUT_TRANSACTION_SET_RESPONSE_LOOP`, AWS B2B Data Interchange skips the `AK2_Loop` when generating an acknowledgment document.

Type: String

Valid Values: `DO_NOT_GENERATE` | `GENERATE_ALL_SEGMENTS` | `GENERATE_WITHOUT_TRANSACTION_SET_RESPONSE_LOOP`

Required: Yes

### technicalAcknowledgment

Specifies whether technical acknowledgments (TA1) should be generated for incoming X12 interchanges. Valid values are `DO_NOT_GENERATE` and `GENERATE_ALL_SEGMENTS` and.

Type: String

Valid Values: `DO_NOT_GENERATE` | `GENERATE_ALL_SEGMENTS`

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for Ruby V3](#)

# X12AdvancedOptions

Contains advanced options specific to X12 EDI processing, such as splitting large X12 files into smaller units.

## Contents

### splitOptions

Specifies options for splitting X12 EDI files. These options control how large X12 files are divided into smaller, more manageable units.

Type: [X12SplitOptions](#) object

Required: No

### validationOptions

Specifies validation options for X12 EDI processing. These options control how validation rules are applied during EDI document processing, including custom validation rules for element length constraints, code list validations, and element requirement checks.

Type: [X12ValidationOptions](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# X12CodeListValidationRule

Defines a validation rule that modifies the allowed code values for a specific X12 element. This rule allows you to add or remove valid codes from an element's standard code list, providing flexibility to accommodate trading partner-specific requirements or industry variations. You can specify codes to add to expand the allowed values beyond the X12 standard, or codes to remove to restrict the allowed values for stricter validation.

## Contents

### **elementId**

Specifies the four-digit element ID to which the code list modifications apply. This identifies which X12 element will have its allowed code values modified.

Type: String

Required: Yes

### **codesToAdd**

Specifies a list of code values to add to the element's allowed values. These codes will be considered valid for the specified element in addition to the standard codes defined by the X12 specification.

Type: Array of strings

Required: No

### **codesToRemove**

Specifies a list of code values to remove from the element's allowed values. These codes will be considered invalid for the specified element, even if they are part of the standard codes defined by the X12 specification.

Type: Array of strings

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# X12ControlNumbers

Contains configuration for X12 control numbers used in X12 EDI generation. Control numbers are used to uniquely identify interchanges, functional groups, and transaction sets.

## Contents

### **startingFunctionalGroupControlNumber**

Specifies the starting functional group control number (GS06) to use for X12 EDI generation. This number is incremented for each new functional group. For the GS (functional group) envelope, AWS B2B Data Interchange generates a functional group control number that is unique to the sender ID, receiver ID, and functional identifier code combination.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 999999999.

Required: No

### **startingInterchangeControlNumber**

Specifies the starting interchange control number (ISA13) to use for X12 EDI generation. This number is incremented for each new interchange. For the ISA (interchange) envelope, AWS B2B Data Interchange generates an interchange control number that is unique for the ISA05 and ISA06 (sender) & ISA07 and ISA08 (receiver) combination.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 999999999.

Required: No

### **startingTransactionSetControlNumber**

Specifies the starting transaction set control number (ST02) to use for X12 EDI generation. This number is incremented for each new transaction set.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 999999999.

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# X12Delimiters

In X12 EDI messages, delimiters are used to mark the end of segments or elements, and are defined in the interchange control header. The delimiters are part of the message's syntax and divide up its different elements.

## Contents

### **componentSeparator**

The component, or sub-element, separator. The default value is : (colon).

Type: String

Length Constraints: Fixed length of 1.

Pattern: [!&'()\*+,-./:;?=%@\[\\\_{}|<>~^`"]

Required: No

### **dataElementSeparator**

The data element separator. The default value is \* (asterisk).

Type: String

Length Constraints: Fixed length of 1.

Pattern: [!&'()\*+,-./:;?=%@\[\\\_{}|<>~^`"]

Required: No

### **segmentTerminator**

The segment terminator. The default value is ~ (tilde).

Type: String

Length Constraints: Fixed length of 1.

Pattern: [!&'()\*+,-./:;?=%@\[\\\_{}|<>~^`"]

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# X12Details

A structure that contains the X12 transaction set and version. The X12 structure is used when the system transforms an EDI (electronic data interchange) file.

## Note

If an EDI input file contains more than one transaction, each transaction must have the same transaction set and version, for example 214/4010. If not, the transformer cannot parse the file.

## Contents

### transactionSet

Returns an enumerated type where each value identifies an X12 transaction set. Transaction sets are maintained by the X12 Accredited Standards Committee.

Type: String

Valid Values: X12\_100 | X12\_101 | X12\_102 | X12\_103 | X12\_104 | X12\_105 | X12\_106 | X12\_107 | X12\_108 | X12\_109 | X12\_110 | X12\_111 | X12\_112 | X12\_113 | X12\_120 | X12\_121 | X12\_124 | X12\_125 | X12\_126 | X12\_127 | X12\_128 | X12\_129 | X12\_130 | X12\_131 | X12\_132 | X12\_133 | X12\_135 | X12\_138 | X12\_139 | X12\_140 | X12\_141 | X12\_142 | X12\_143 | X12\_144 | X12\_146 | X12\_147 | X12\_148 | X12\_149 | X12\_150 | X12\_151 | X12\_152 | X12\_153 | X12\_154 | X12\_155 | X12\_157 | X12\_158 | X12\_159 | X12\_160 | X12\_161 | X12\_163 | X12\_170 | X12\_175 | X12\_176 | X12\_179 | X12\_180 | X12\_185 | X12\_186 | X12\_187 | X12\_188 | X12\_189 | X12\_190 | X12\_191 | X12\_194 | X12\_195 | X12\_196 | X12\_197 | X12\_198 | X12\_199 | X12\_200 | X12\_201 | X12\_202 | X12\_203 | X12\_204 | X12\_205 | X12\_206 | X12\_210 | X12\_211 | X12\_212 | X12\_213 | X12\_214 | X12\_215 | X12\_216 | X12\_217 | X12\_218 | X12\_219 | X12\_220 | X12\_222 | X12\_223 | X12\_224 | X12\_225 | X12\_227 | X12\_228 | X12\_240 | X12\_242 | X12\_244 | X12\_245 | X12\_248 | X12\_249 | X12\_250 | X12\_251 | X12\_252 | X12\_255 | X12\_256 | X12\_259 | X12\_260 | X12\_261 | X12\_262 | X12\_263 | X12\_264 | X12\_265 | X12\_266 | X12\_267 | X12\_268 | X12\_269 | X12\_270 | X12\_271 | X12\_272 | X12\_273

| X12\_274 | X12\_275 | X12\_276 | X12\_277 | X12\_278 | X12\_280 | X12\_283  
| X12\_284 | X12\_285 | X12\_286 | X12\_288 | X12\_290 | X12\_300 | X12\_301  
| X12\_303 | X12\_304 | X12\_309 | X12\_310 | X12\_311 | X12\_312 | X12\_313  
| X12\_315 | X12\_317 | X12\_319 | X12\_322 | X12\_323 | X12\_324 | X12\_325  
| X12\_326 | X12\_350 | X12\_352 | X12\_353 | X12\_354 | X12\_355 | X12\_356  
| X12\_357 | X12\_358 | X12\_361 | X12\_362 | X12\_404 | X12\_410 | X12\_412  
| X12\_414 | X12\_417 | X12\_418 | X12\_419 | X12\_420 | X12\_421 | X12\_422  
| X12\_423 | X12\_424 | X12\_425 | X12\_426 | X12\_429 | X12\_431 | X12\_432  
| X12\_433 | X12\_434 | X12\_435 | X12\_436 | X12\_437 | X12\_440 | X12\_451  
| X12\_452 | X12\_453 | X12\_455 | X12\_456 | X12\_460 | X12\_463 | X12\_466  
| X12\_468 | X12\_470 | X12\_475 | X12\_485 | X12\_486 | X12\_490 | X12\_492  
| X12\_494 | X12\_500 | X12\_501 | X12\_503 | X12\_504 | X12\_511 | X12\_517  
| X12\_521 | X12\_527 | X12\_536 | X12\_540 | X12\_561 | X12\_567 | X12\_568  
| X12\_601 | X12\_602 | X12\_620 | X12\_625 | X12\_650 | X12\_715 | X12\_753  
| X12\_754 | X12\_805 | X12\_806 | X12\_810 | X12\_811 | X12\_812 | X12\_813  
| X12\_814 | X12\_815 | X12\_816 | X12\_818 | X12\_819 | X12\_820 | X12\_821  
| X12\_822 | X12\_823 | X12\_824 | X12\_826 | X12\_827 | X12\_828 | X12\_829  
| X12\_830 | X12\_831 | X12\_832 | X12\_833 | X12\_834 | X12\_835 | X12\_836  
| X12\_837 | X12\_838 | X12\_839 | X12\_840 | X12\_841 | X12\_842 | X12\_843  
| X12\_844 | X12\_845 | X12\_846 | X12\_847 | X12\_848 | X12\_849 | X12\_850  
| X12\_851 | X12\_852 | X12\_853 | X12\_854 | X12\_855 | X12\_856 | X12\_857  
| X12\_858 | X12\_859 | X12\_860 | X12\_861 | X12\_862 | X12\_863 | X12\_864  
| X12\_865 | X12\_866 | X12\_867 | X12\_868 | X12\_869 | X12\_870 | X12\_871  
| X12\_872 | X12\_873 | X12\_874 | X12\_875 | X12\_876 | X12\_877 | X12\_878  
| X12\_879 | X12\_880 | X12\_881 | X12\_882 | X12\_883 | X12\_884 | X12\_885  
| X12\_886 | X12\_887 | X12\_888 | X12\_889 | X12\_891 | X12\_893 | X12\_894  
| X12\_895 | X12\_896 | X12\_920 | X12\_924 | X12\_925 | X12\_926 | X12\_928  
| X12\_940 | X12\_943 | X12\_944 | X12\_945 | X12\_947 | X12\_980 | X12\_990  
| X12\_993 | X12\_996 | X12\_997 | X12\_998 | X12\_999 | X12\_270\_X279 |  
X12\_271\_X279 | X12\_275\_X210 | X12\_275\_X211 | X12\_276\_X212 | X12\_277\_X212  
| X12\_277\_X214 | X12\_277\_X364 | X12\_278\_X217 | X12\_820\_X218 |  
X12\_820\_X306 | X12\_824\_X186 | X12\_834\_X220 | X12\_834\_X307 | X12\_834\_X318  
| X12\_835\_X221 | X12\_837\_X222 | X12\_837\_X223 | X12\_837\_X224 |  
X12\_837\_X291 | X12\_837\_X292 | X12\_837\_X298 | X12\_999\_X231

Required: No

## version

Returns the version to use for the specified X12 transaction set.

Type: String

Valid Values: VERSION\_4010 | VERSION\_4030 | VERSION\_4050 | VERSION\_4060 |  
VERSION\_5010 | VERSION\_5010\_HIPAA

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# X12ElementLengthValidationRule

Defines a validation rule that specifies custom length constraints for a specific X12 element. This rule allows you to override the standard minimum and maximum length requirements for an element, enabling validation of trading partner-specific length requirements that may differ from the X12 specification. Both minimum and maximum length values must be specified.

## Contents

### **elementId**

Specifies the four-digit element ID to which the length constraints will be applied. This identifies which X12 element will have its length requirements modified.

Type: String

Required: Yes

### **maxLength**

Specifies the maximum allowed length for the identified element. This value defines the upper limit for the element's content length.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000000.

Required: Yes

### **minLength**

Specifies the minimum required length for the identified element. This value defines the lower limit for the element's content length.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000000.

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# X12ElementRequirementValidationRule

Defines a validation rule that modifies the requirement status of a specific X12 element within a segment. This rule allows you to make optional elements mandatory or mandatory elements optional, providing flexibility to accommodate different trading partner requirements and business rules. The rule targets a specific element position within a segment and sets its requirement status to either OPTIONAL or MANDATORY.

## Contents

### elementPosition

Specifies the position of the element within an X12 segment for which the requirement status will be modified. The format follows the pattern of segment identifier followed by element position (e.g., "ST-01" for the first element of the ST segment).

Type: String

Required: Yes

### requirement

Specifies the requirement status for the element at the specified position. Valid values are OPTIONAL (the element may be omitted) or MANDATORY (the element must be present).

Type: String

Valid Values: OPTIONAL | MANDATORY

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# X12Envelope

A wrapper structure for an X12 definition object.

the X12 envelope ensures the integrity of the data and the efficiency of the information exchange. The X12 message structure has hierarchical levels. From highest to the lowest, they are:

- Interchange Envelope
- Functional Group
- Transaction Set

## Contents

### common

A container for the X12 outbound EDI headers.

Type: [X12OutboundEdiHeaders](#) object

Required: No

### wrapOptions

Contains options for wrapping (line folding) in X12 EDI files. Wrapping controls how long lines are handled in the EDI output.

Type: [WrapOptions](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# X12FunctionalGroupHeaders

Part of the X12 message structure. These are the functional group headers for the X12 EDI object.

## Contents

### **applicationReceiverCode**

A value representing the code used to identify the party receiving a message, at position GS-03.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 15.

Pattern: [a-zA-Z0-9 ]\*

Required: No

### **applicationSenderCode**

A value representing the code used to identify the party transmitting a message, at position GS-02.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 15.

Pattern: [a-zA-Z0-9 ]\*

Required: No

### **responsibleAgencyCode**

A code that identifies the issuer of the standard, at position GS-07.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2.

Pattern: [a-zA-Z0-9]\*

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# X12InboundEdiOptions

Contains options specific to processing inbound X12 EDI files.

## Contents

### acknowledgmentOptions

Specifies acknowledgment options for inbound X12 EDI files. These options control how functional and technical acknowledgments are handled.

Type: [X12AcknowledgmentOptions](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# X12InterchangeControlHeaders

In X12, the Interchange Control Header is the first segment of an EDI document and is part of the Interchange Envelope. It contains information about the sender and receiver, the date and time of transmission, and the X12 version being used. It also includes delivery information, such as the sender and receiver IDs.

## Contents

### **acknowledgmentRequestedCode**

Located at position ISA-14 in the header. The value "1" indicates that the sender is requesting an interchange acknowledgment at receipt of the interchange. The value "0" is used otherwise.

Type: String

Length Constraints: Fixed length of 1.

Pattern: [a-zA-Z0-9]\*

Required: No

### **receiverId**

Located at position ISA-08 in the header. This value (along with the `receiverIdQualifier`) identifies the intended recipient of the interchange.

Type: String

Length Constraints: Fixed length of 15.

Pattern: [a-zA-Z0-9 ]\*

Required: No

### **receiverIdQualifier**

Located at position ISA-07 in the header. Qualifier for the receiver ID. Together, the ID and qualifier uniquely identify the receiving trading partner.

Type: String

Length Constraints: Fixed length of 2.

Pattern: [a-zA-Z0-9]\*

Required: No

### repetitionSeparator

Located at position ISA-11 in the header. This string makes it easier when you need to group similar adjacent element values together without using extra segments.

#### Note

This parameter is only honored for version greater than 401 (VERSION\_4010 and higher).

For versions less than 401, this field is called [StandardsId](#), in which case our service sets the value to U.

Type: String

Length Constraints: Fixed length of 1.

Required: No

### senderId

Located at position ISA-06 in the header. This value (along with the `senderIdQualifier`) identifies the sender of the interchange.

Type: String

Length Constraints: Fixed length of 15.

Pattern: [a-zA-Z0-9 ]\*

Required: No

### senderIdQualifier

Located at position ISA-05 in the header. Qualifier for the sender ID. Together, the ID and qualifier uniquely identify the sending trading partner.

Type: String

Length Constraints: Fixed length of 2.

Pattern: [a-zA-Z0-9]\*

Required: No

### **usageIndicatorCode**

Located at position ISA-15 in the header. Specifies how this interchange is being used:

- T indicates this interchange is for testing.
- P indicates this interchange is for production.
- I indicates this interchange is informational.

Type: String

Length Constraints: Fixed length of 1.

Pattern: [a-zA-Z0-9]\*

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# X12OutboundEdiHeaders

A structure containing the details for an outbound EDI object.

## Contents

### controlNumbers

Specifies control number configuration for outbound X12 EDI headers. These settings determine the starting values for interchange, functional group, and transaction set control numbers.

Type: [X12ControlNumbers](#) object

Required: No

### delimiters

The delimiters, for example semicolon (;), that separates sections of the headers for the X12 object.

Type: [X12Delimiters](#) object

Required: No

### functionalGroupHeaders

The functional group headers for the X12 object.

Type: [X12FunctionalGroupHeaders](#) object

Required: No

### gs05TimeFormat

Specifies the time format in the GS05 element (time) of the functional group header. The following formats use 24-hour clock time:

- HHMM - Hours and minutes
- HHMMSS - Hours, minutes, and seconds
- HHMMSSDD - Hours, minutes, seconds, and decimal seconds

Where:

- HH - Hours (00-23)
- MM - Minutes (00-59)
- SS - Seconds (00-59)
- DD - Hundredths of seconds (00-99)

Type: String

Valid Values: HHMM | HHMMSS | HHMMSSDD

Required: No

## **interchangeControlHeaders**

In X12 EDI messages, delimiters are used to mark the end of segments or elements, and are defined in the interchange control header.

Type: [X12InterchangeControlHeaders](#) object

Required: No

## **validateEdi**

Specifies whether or not to validate the EDI for this X12 object: TRUE or FALSE. When enabled, this performs both standard EDI validation and applies any configured custom validation rules including element length constraints, code list validations, and element requirement checks. Validation results are returned in the response validation messages.

Type: Boolean

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# X12SplitOptions

Contains options for splitting X12 EDI files into smaller units. This is useful for processing large EDI files more efficiently.

## Contents

### splitBy

Specifies the method used to split X12 EDI files. Valid values include TRANSACTION (split by individual transaction sets), or NONE (no splitting).

Type: String

Valid Values: NONE | TRANSACTION

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# X12ValidationOptions

Contains configuration options for X12 EDI validation. This structure allows you to specify custom validation rules that will be applied during EDI document processing, including element length constraints, code list modifications, and element requirement changes. These validation options provide flexibility to accommodate trading partner-specific requirements while maintaining EDI compliance. The validation rules are applied in addition to standard X12 validation to ensure documents meet both standard and custom requirements.

## Contents

### validationRules

Specifies a list of validation rules to apply during EDI document processing. These rules can include code list modifications, element length constraints, and element requirement changes.

Type: Array of [X12ValidationRule](#) objects

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# X12ValidationRule

Represents a single validation rule that can be applied during X12 EDI processing. This is a union type that can contain one of several specific validation rule types: code list validation rules for modifying allowed element codes, element length validation rules for enforcing custom length constraints, or element requirement validation rules for changing mandatory/optional status. Each validation rule targets specific aspects of EDI document validation to ensure compliance with trading partner requirements and business rules.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### **codeListValidationRule**

Specifies a code list validation rule that modifies the allowed code values for a specific X12 element. This rule enables you to customize which codes are considered valid for an element, allowing for trading partner-specific code requirements.

Type: [X12CodeListValidationRule](#) object

Required: No

### **elementLengthValidationRule**

Specifies an element length validation rule that defines custom length constraints for a specific X12 element. This rule allows you to enforce minimum and maximum length requirements that may differ from the standard X12 specification.

Type: [X12ElementLengthValidationRule](#) object

Required: No

### **elementRequirementValidationRule**

Specifies an element requirement validation rule that modifies whether a specific X12 element is required or optional within a segment. This rule provides flexibility to accommodate different trading partner requirements for element presence.

Type: [X12ElementRequirementValidationRule](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signing AWS API requests](#) in the *IAM User Guide*.

## X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

## X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4\_request"). The value is expressed in the following format: *access\_key/YYYYMMDD/region/service/aws4\_request*.

For more information, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

## X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: 20120325T120000Z.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Elements of an AWS API request signature](#) in the *IAM User Guide*.

Type: string

Required: Conditional

### **X-Amz-Security-Token**

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see [AWS services that work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

### **X-Amz-Signature**

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

### **X-Amz-SignedHeaders**

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

**Required: Conditional**

# Common Error Types

This section lists common error types that this AWS service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

## **AccessDeniedException**

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

## **ExpiredTokenException**

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

## **IncompleteSignature**

The request signature doesn't conform to AWS standards. Verify that you're using valid AWS credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

## **InternalFailure**

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact AWS Support.

HTTP Status Code: 500

## **MalformedHttpRequestException**

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

**NotAuthorized**

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

**OptInRequired**

Your AWS account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

**RequestAbortedException**

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

**RequestEntityTooLargeException**

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

**RequestTimeoutException**

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

**ServiceUnavailable**

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

**ThrottlingException**

Your request rate is too high. The AWS SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

**UnknownOperationException**

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

**UnrecognizedClientException**

The X.509 certificate or AWS access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

**ValidationError**

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400