



API Reference

# Amazon Connect Health



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# Amazon Connect Health: API Reference

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# Welcome

Welcome to the *Amazon Connect Health API Reference*. Amazon Connect Health is an AI-powered healthcare service built on Amazon Connect. It provides pre-built agents that automate patient engagement workflows and support clinical documentation at the point of care.

You can use the Amazon Connect Health API to programmatically manage domains, configure patient engagement agents, run patient insights jobs, and stream ambient documentation sessions. This API reference describes the available API operations and data types for Amazon Connect Health.

This guide includes:

- [Actions](#) — Alphabetical list of all Amazon Connect Health API operations.
- [Data Types](#) — Alphabetical list of all Amazon Connect Health data types.
- [Common Parameters](#) — Parameters that all operations use.
- [Common Errors](#) — Client and server errors that all operations can return.

We recommend that you use the AWS SDKs to make programmatic API calls to Amazon Connect Health. For more information, see [Developing with the AWS SDKs](#).

# Actions

The following actions are supported:

- [ActivateSubscription](#)
- [CreateDomain](#)
- [CreateSubscription](#)
- [DeactivateSubscription](#)
- [DeleteDomain](#)
- [GetDomain](#)
- [GetMedicalScribeListeningSession](#)
- [GetPatientInsightsJob](#)
- [GetSubscription](#)
- [ListDomains](#)
- [ListSubscriptions](#)
- [ListTagsForResource](#)
- [StartMedicalScribeListeningSession](#)
- [StartPatientInsightsJob](#)
- [TagResource](#)
- [UntagResource](#)

# ActivateSubscription

Activates a Subscription to enable billing for a user.

## Request Syntax

```
POST /domains/domainId/subscriptions/subscriptionId/activate HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### domainId

The unique identifier of the parent Domain.

Length Constraints: Minimum length of 20. Maximum length of 25.

Pattern: (hai-|dom-)[a-z0-9]+

Required: Yes

### subscriptionId

The unique identifier of the Subscription.

Length Constraints: Fixed length of 25.

Pattern: sub-[a-zA-Z0-9]{21}

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200  
Content-type: application/json
```

```
{
  "subscription": {
    "activatedAt": number,
    "arn": "string",
    "createdAt": number,
    "deactivatedAt": number,
    "domainId": "string",
    "lastUpdatedAt": number,
    "status": "string",
    "subscriptionId": "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.

### subscription

Type: [SubscriptionDescription](#) object

## Errors

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

### **AccessDeniedException**

This error is thrown when the client does not supply proper credentials to the API.

HTTP Status Code: 401

### **InternalServerError**

This error is thrown when a transient error causes our API to fail.

HTTP Status Code: 500

### **ResourceNotFoundException**

This error is thrown when the requested resource is not found.

HTTP Status Code: 404

## ValidationException

This error is thrown when the client supplies invalid input to the API.

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](#)

# CreateDomain

Creates a new Domain for managing HealthAgent resources.

## Request Syntax

```
POST /domain HTTP/1.1
Content-type: application/json

{
  "kmsKeyArn": "string",
  "name": "string",
  "tags": {
    "string" : "string"
  },
  "webAppSetupConfiguration": {
    "ehrRole": "string",
    "idcInstanceId": "string",
    "idcRegion": "string"
  }
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### kmsKeyArn

The ARN of the KMS key to use for encrypting data in this Domain.

Type: String

Pattern: arn:aws:kms:[a-z0-9-]+:[0-9]{12}:key/[a-f0-9-]+

Required: No

### name

The name for the new Domain.

Type: String

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

Required: Yes

### tags

Tags to associate with the Domain.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

### webAppSetupConfiguration

Configuration for the Domain web application. Optional, but if provided all fields are required.

Type: [CreateWebAppConfiguration](#) object

Required: No

## Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
  "arn": "string",
  "createdAt": number,
  "domainId": "string",
  "encryptionContext": {
    "encryptionType": "string",
    "kmsKeyArn": "string"
  },
  "kmsKeyArn": "string",
  "name": "string",
  "status": "string",
  "webAppConfiguration": {
    "ehrRole": "string",
```

```
    "idcApplicationId": "string",
    "idcRegion": "string"
  },
  "webAppUrl": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

### arn

Type: String

Pattern: `arn:aws:health-agent:[a-z0-9-]+:[0-9]{12}:domain/(hai-|dom-)[a-z0-9-]+`

### createdAt

Type: Timestamp

### domainId

Type: String

Length Constraints: Minimum length of 20. Maximum length of 25.

Pattern: `(hai-|dom-)[a-z0-9-]+`

### encryptionContext

Type: [EncryptionContext](#) object

### kmsKeyArn

Type: String

Pattern: `arn:aws:kms:[a-z0-9-]+:[0-9]{12}:key/[a-f0-9-]+`

### name

Type: String

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

### status

Type: String

Valid Values: ACTIVE | DELETING | DELETED

### webAppConfiguration

Type: [WebAppConfiguration](#) object

### webAppUrl

Type: String

## Errors

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

### **ServiceQuotaExceededException**

The request exceeds a service quota.

HTTP Status Code: 402

## 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](#)

# CreateSubscription

Creates a new Subscription within a Domain for billing and user management.

## Request Syntax

```
POST /domains/domainId/subscriptions HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### domainId

The unique identifier of the parent Domain.

Length Constraints: Minimum length of 20. Maximum length of 25.

Pattern: (hai-|dom-)[a-z0-9]+

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 201  
Content-type: application/json
```

```
{  
  "activatedAt": number,  
  "arn": "string",  
  "createdAt": number,  
  "deactivatedAt": number,  
  "domainId": "string",  
  "lastUpdatedAt": number,  
  "status": "string",  
  "subscriptionId": "string"
```

```
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

### activatedAt

Type: Timestamp

### arn

Type: String

Pattern: `arn:aws:health-agent:[a-z0-9-]+:[0-9]{12}:domain/(hai-|dom-)[a-z0-9-]+/subscription/sub-[a-zA-Z0-9]{21}`

### createdAt

Type: Timestamp

### deactivatedAt

Type: Timestamp

### domainId

Type: String

Length Constraints: Minimum length of 20. Maximum length of 25.

Pattern: `(hai-|dom-)[a-z0-9-]+`

### lastUpdatedAt

Type: Timestamp

### status

Type: String

Valid Values: ACTIVE | INACTIVE | DELETED

### subscriptionId

Type: String

Length Constraints: Fixed length of 25.

Pattern: sub-[a-zA-Z0-9]{21}

## Errors

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

### **AccessDeniedException**

This error is thrown when the client does not supply proper credentials to the API.

HTTP Status Code: 401

### **InternalServerError**

This error is thrown when a transient error causes our API to fail.

HTTP Status Code: 500

### **ResourceNotFoundException**

This error is thrown when the requested resource is not found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

The request exceeds a service quota.

HTTP Status Code: 402

### **ValidationException**

This error is thrown when the client supplies invalid input to the API.

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](#)

# DeactivateSubscription

Deactivates a Subscription to stop billing for a user.

## Request Syntax

```
POST /domains/domainId/subscriptions/subscriptionId/deactivate HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### domainId

The unique identifier of the parent Domain.

Length Constraints: Minimum length of 20. Maximum length of 25.

Pattern: (hai-|dom-)[a-z0-9]+

Required: Yes

### subscriptionId

The unique identifier of the Subscription.

Length Constraints: Fixed length of 25.

Pattern: sub-[a-zA-Z0-9]{21}

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200  
Content-type: application/json
```

```
{
  "subscription": {
    "activatedAt": number,
    "arn": "string",
    "createdAt": number,
    "deactivatedAt": number,
    "domainId": "string",
    "lastUpdatedAt": number,
    "status": "string",
    "subscriptionId": "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.

### subscription

Type: [SubscriptionDescription](#) object

## Errors

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

### **AccessDeniedException**

This error is thrown when the client does not supply proper credentials to the API.

HTTP Status Code: 401

### **InternalServerError**

This error is thrown when a transient error causes our API to fail.

HTTP Status Code: 500

### **ResourceNotFoundException**

This error is thrown when the requested resource is not found.

HTTP Status Code: 404

## ValidationException

This error is thrown when the client supplies invalid input to the API.

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](#)

# DeleteDomain

Deletes a Domain and all associated resources.

## Request Syntax

```
DELETE /domain/domainId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### domainId

The id of the Domain to delete

Length Constraints: Minimum length of 20. Maximum length of 25.

Pattern: (hai- |dom-)[a-z0-9]+

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "arn": "string",
  "domainId": "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.

### arn

The ARN of the Domain that was requested for deletion

Type: String

Pattern: `arn:aws:health-agent:[a-z0-9-]+:[0-9]{12}:domain/(hai-|dom-)[a-z0-9]+`

### domainId

The id of the Domain requested for deletion

Type: String

Length Constraints: Minimum length of 20. Maximum length of 25.

Pattern: `(hai-|dom-)[a-z0-9]+`

### status

Current status of Domain

Type: String

Valid Values: ACTIVE | DELETING | DELETED

## Errors

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

### **ResourceNotFoundException**

This error is thrown when the requested resource is not found.

HTTP Status Code: 404

## 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](#)

# GetDomain

Retrieves information about a Domain.

## Request Syntax

```
GET /domain/domainId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### domainId

The id of the Domain to get

Length Constraints: Minimum length of 20. Maximum length of 25.

Pattern: (hai-|dom-)[a-z0-9]+

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "arn": "string",
  "createdAt": number,
  "domainId": "string",
  "encryptionContext": {
    "encryptionType": "string",
    "kmsKeyArn": "string"
  },
  "kmsKeyArn": "string",
```

```
"name": "string",
"status": "string",
"tags": {
  "string" : "string"
},
"webAppConfiguration": {
  "ehrRole": "string",
  "idcApplicationId": "string",
  "idcRegion": "string"
},
"webAppUrl": "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.

### arn

Type: String

Pattern: `arn:aws:health-agent:[a-z0-9-]+:[0-9]{12}:domain/(hai-|dom-)[a-z0-9-]+`

### createdAt

Type: Timestamp

### domainId

Type: String

Length Constraints: Minimum length of 20. Maximum length of 25.

Pattern: `(hai-|dom-)[a-z0-9-]+`

### encryptionContext

Type: [EncryptionContext](#) object

## kmsKeyArn

Type: String

Pattern: `arn:aws:kms:[a-z0-9-]+:[0-9]{12}:key/[a-f0-9-]+`

## name

Type: String

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

## status

Type: String

Valid Values: ACTIVE | DELETING | DELETED

## tags

Tags associated with the Domain

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Value Length Constraints: Minimum length of 0. Maximum length of 256.

## webAppConfiguration

Type: [WebAppConfiguration](#) object

## webAppUrl

Type: String

## Errors

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

### **ResourceNotFoundException**

This error is thrown when the requested resource is not found.

## HTTP Status Code: 404

### 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](#)

# GetMedicalScribeListeningSession

Retrieves details about an existing Medical Scribe listening session

## Request Syntax

```
GET /medical-scribe-stream/domain/domainId/subscription/subscriptionId/
session/sessionId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### domainId

The Domain identifier

Length Constraints: Minimum length of 20. Maximum length of 25.

Pattern: (hai-|dom-)[a-z0-9]+

Required: Yes

### sessionId

The Session identifier

Length Constraints: Fixed length of 36.

Pattern: .\*[a-fA-F0-9]{8}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{12}.\*

Required: Yes

### subscriptionId

The Subscription identifier

Length Constraints: Fixed length of 25.

Pattern: sub-[a-zA-Z0-9]{21}

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "medicalScribeListeningSessionDetails": {
    "channelDefinitions": [
      {
        "channelId": number,
        "participantRole": "string"
      }
    ],
    "domainId": "string",
    "encounterContextProvided": boolean,
    "languageCode": "string",
    "mediaEncoding": "string",
    "mediaSampleRateHertz": number,
    "postStreamActionResult": {
      "clinicalNoteGenerationResult": {
        "afterVisitSummaryResult": {
          "failureReason": "string",
          "outputLocation": "string",
          "status": "string"
        },
        "noteResult": {
          "failureReason": "string",
          "outputLocation": "string",
          "status": "string"
        },
        "transcriptResult": {
          "failureReason": "string",
          "outputLocation": "string",
          "status": "string"
        }
      }
    },
    "postStreamActionSettings": {
      "clinicalNoteGenerationSettings": {
```

```
    "noteTemplateSettings": { ... }
  },
  "outputS3Uri": "string"
},
"sessionId": "string",
"streamCreationTime": number,
"streamEndTime": number,
"streamStatus": "string",
"subscriptionId": "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.

### medicalScribeListeningSessionDetails

Details about the Medical Scribe listening session

Type: [MedicalScribeListeningSessionDetails](#) object

## Errors

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

### **AccessDeniedException**

This error is thrown when the client does not supply proper credentials to the API.

HTTP Status Code: 401

### **InternalServerError**

This error is thrown when a transient error causes our API to fail.

HTTP Status Code: 500

### **ResourceNotFoundException**

This error is thrown when the requested resource is not found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

The request exceeds a service quota.

HTTP Status Code: 402

### **ThrottlingException**

This error is thrown when the client exceeds the allowed request rate.

HTTP Status Code: 429

## **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](#)

# GetPatientInsightsJob

Get details of a started patient insights job.

## Request Syntax

```
GET /domain/domainId/patient-insights-job/jobId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### domainId

Length Constraints: Minimum length of 20. Maximum length of 25.

Pattern: (hai-|dom-)[a-z0-9]+

Required: Yes

### jobId

Length Constraints: Minimum length of 1. Maximum length of 36.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "creationTime": "string",
  "encounterContext": {
    "encounterReason": "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.

### **creationTime**

Date and time the patient insights job was submitted.

Type: Timestamp

### **encounterContext**

Type: [PatientInsightsEncounterContext](#) object

### **inputDataConfig**

Type: [InputDataConfig](#) object

### **insightsContext**

Type: [InsightsContext](#) object

### **insightsOutput**

Type: [InsightsOutput](#) object

### **jobArn**

Type: String

Length Constraints: Minimum length of 20. Maximum length of 200.

Pattern: `arn:aws[-a-z]*:health-agent:[-a-z0-9]+:[0-9]{12}:domain/[-a-zA-Z0-9-]+/patient-insights-job/[-a-zA-Z0-9_/.]+`

### **jobId**

Type: String

Length Constraints: Minimum length of 1. Maximum length of 36.

### **jobStatus**

Type: String

Valid Values: SUBMITTED | IN\_PROGRESS | FAILED | SUCCEEDED

## outputDataConfig

Type: [OutputDataConfig](#) object

## patientContext

Type: [PatientInsightsPatientContext](#) object

## statusDetails

Contains information about the status of a job.

Type: String

Pattern: `.*[\s\S]*\S[\s\S]*.*`

## updatedAtTime

Date and time the patient insights job was last updated.

Type: Timestamp

## userContext

Type: [UserContext](#) object

## Errors

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

### **AccessDeniedException**

This error is thrown when the client does not supply proper credentials to the API.

HTTP Status Code: 401

### **InternalServerErrorException**

This error is thrown when a transient error causes our API to fail.

HTTP Status Code: 500

### **ResourceNotFoundException**

This error is thrown when the requested resource is not found.

HTTP Status Code: 404

### **ThrottlingException**

This error is thrown when the client exceeds the allowed request rate.

HTTP Status Code: 429

### **ValidationException**

This error is thrown when the client supplies invalid input to the API.

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](#)

# GetSubscription

Retrieves information about a Subscription.

## Request Syntax

```
GET /domains/domainId/subscriptions/subscriptionId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### domainId

The unique identifier of the parent Domain.

Length Constraints: Minimum length of 20. Maximum length of 25.

Pattern: (hai-|dom-)[a-z0-9]+

Required: Yes

### subscriptionId

The unique identifier of the Subscription.

Length Constraints: Fixed length of 25.

Pattern: sub-[a-zA-Z0-9]{21}

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200  
Content-type: application/json
```

```
{
  "subscription": {
    "activatedAt": number,
    "arn": "string",
    "createdAt": number,
    "deactivatedAt": number,
    "domainId": "string",
    "lastUpdatedAt": number,
    "status": "string",
    "subscriptionId": "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.

### subscription

Type: [SubscriptionDescription](#) object

## Errors

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

### **AccessDeniedException**

This error is thrown when the client does not supply proper credentials to the API.

HTTP Status Code: 401

### **InternalServerError**

This error is thrown when a transient error causes our API to fail.

HTTP Status Code: 500

### **ResourceNotFoundException**

This error is thrown when the requested resource is not found.

HTTP Status Code: 404

## ValidationException

This error is thrown when the client supplies invalid input to the API.

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](#)

# ListDomains

Lists Domains for a given account.

## Request Syntax

```
GET /domain?maxResults=maxResults&nextToken=nextToken&status=status HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### [maxResults](#)

Maximum number of results to return.

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

### [nextToken](#)

Token for pagination.

### [status](#)

Filter by Domain status.

Valid Values: ACTIVE | DELETING | DELETED

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "domains": [
    {
      "arn": "string",
      "createdAt": number,
```

```
    "domainId": "string",
    "name": "string",
    "status": "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.

### domains

List of Domains.

Type: Array of [DomainSummary](#) objects

### nextToken

Token for the next page of results.

Type: String

## Errors

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

## 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](#)

# ListSubscriptions

Lists all Subscriptions within a Domain.

## Request Syntax

```
GET /domains/domainId/subscriptions?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### domainId

The unique identifier of the parent Domain.

Length Constraints: Minimum length of 20. Maximum length of 25.

Pattern: (hai-|dom-)[a-z0-9]+

Required: Yes

### maxResults

Maximum number of results to return.

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

### nextToken

Token for pagination.

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200  
Content-type: application/json
```

```
{
  "nextToken": "string",
  "subscriptions": [
    {
      "activatedAt": number,
      "arn": "string",
      "createdAt": number,
      "deactivatedAt": number,
      "domainId": "string",
      "lastUpdatedAt": number,
      "status": "string",
      "subscriptionId": "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

Token for the next page of results.

Type: String

### subscriptions

List of Subscriptions.

Type: Array of [SubscriptionDescription](#) objects

## Errors

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

### **AccessDeniedException**

This error is thrown when the client does not supply proper credentials to the API.

HTTP Status Code: 401

## InternalServerErrorException

This error is thrown when a transient error causes our API to fail.

HTTP Status Code: 500

## ResourceNotFoundException

This error is thrown when the requested resource is not found.

HTTP Status Code: 404

## ValidationException

This error is thrown when the client supplies invalid input to the API.

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](#)

# ListTagsForResource

Lists the tags associated with the specified resource

## Request Syntax

```
GET /tags/resourceArn HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

The ARN of the resource to list tags for

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "tags": {
    "string" : "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

The tags associated with the resource

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Value Length Constraints: Minimum length of 0. Maximum length of 256.

## Errors

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

## 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](#)

# StartMedicalScribeListeningSession

Starts a new Medical Scribe listening session for real-time audio transcription

## Request Syntax

```
POST /medical-scribe-stream/ HTTP/1.1
x-amzn-medscribe-session-id: sessionId
x-amzn-medscribe-domain-id: domainId
x-amzn-medscribe-subscription-id: subscriptionId
x-amzn-medscribe-language-code: languageCode
x-amzn-medscribe-sample-rate: mediaSampleRateHertz
x-amzn-medscribe-media-encoding: mediaEncoding
Content-type: application/json
```

```
{
  "audioEvent": {
    "audioChunk": blob
  },
  "configurationEvent": {
    "channelDefinitions": [
      {
        "channelId": number,
        "participantRole": "string"
      }
    ],
    "encounterContext": {
      "unstructuredContext": "string"
    },
    "postStreamActionSettings": {
      "clinicalNoteGenerationSettings": {
        "noteTemplateSettings": { ... }
      },
      "outputS3Uri": "string"
    }
  },
  "sessionControlEvent": {
    "type": "string"
  }
}
```

## URI Request Parameters

The request uses the following URI parameters.

### domainId

The Domain identifier

Length Constraints: Minimum length of 20. Maximum length of 25.

Pattern: (hai-|dom-)[a-z0-9]+

Required: Yes

### languageCode

The Language Code for the audio in the session

Valid Values: en-US

Required: Yes

### mediaEncoding

The encoding for the input audio

Valid Values: pcm | flac

Required: Yes

### mediaSampleRateHertz

The sample rate of the input audio

Valid Range: Minimum value of 8000. Maximum value of 48000.

Required: Yes

### sessionId

The Session identifier

Length Constraints: Fixed length of 36.

Pattern: .\*[a-fA-F0-9]{8}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{12}.\*

Required: Yes

### subscriptionId

The Subscription identifier

Length Constraints: Fixed length of 25.

Pattern: sub-[a-zA-Z0-9]{21}

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### audioEvent

Type: [MedicalScribeAudioEvent](#) object

Required: No

### configurationEvent

Type: [MedicalScribeConfigurationEvent](#) object

Required: No

### sessionControlEvent

Type: [MedicalScribeSessionControlEvent](#) object

Required: No

## Response Syntax

```
HTTP/1.1 200
x-amzn-medscribe-session-id: sessionId
x-amzn-medscribe-domain-id: domainId
x-amzn-medscribe-subscription-id: subscriptionId
x-amzn-request-id: requestId
```

```
x-amzn-medscribe-language-code: languageCode
x-amzn-medscribe-sample-rate: mediaSampleRateHertz
x-amzn-medscribe-media-encoding: mediaEncoding
Content-type: application/json

{
  "internalFailureException": {
  },
  "transcriptEvent": {
    "transcriptSegment": {
      "audioBeginOffset": number,
      "audioEndOffset": number,
      "channelId": "string",
      "content": "string",
      "isPartial": boolean,
      "segmentId": "string"
    }
  },
  "validationException": {
  }
}
```

## Response Elements

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

The response returns the following HTTP headers.

### [domainId](#)

The Domain identifier

Length Constraints: Minimum length of 20. Maximum length of 25.

Pattern: (hai-|dom-)[a-z0-9]+

### [languageCode](#)

The Language Code for the audio in the session

Valid Values: en-US

### [mediaEncoding](#)

The encoding for the input audio

Valid Values: pcm | flac

### mediaSampleRateHertz

The sample rate of the input audio

Valid Range: Minimum value of 8000. Maximum value of 48000.

### requestId

The Request identifier

Length Constraints: Minimum length of 1. Maximum length of 256.

### sessionId

The Session identifier

Length Constraints: Fixed length of 36.

Pattern: `.*[a-fA-F0-9]{8}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{12}.*`

### subscriptionId

The Subscription identifier

Length Constraints: Fixed length of 25.

Pattern: `sub-[a-zA-Z0-9]{21}`

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

### internalFailureException

Type: Exception

HTTP Status Code: 500

### transcriptEvent

Type: [MedicalScribeTranscriptEvent](#) object

## **validationException**

Type: Exception

HTTP Status Code: 400

## **Errors**

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

### **AccessDeniedException**

This error is thrown when the client does not supply proper credentials to the API.

HTTP Status Code: 401

### **InternalServerErrorException**

This error is thrown when a transient error causes our API to fail.

HTTP Status Code: 500

### **ResourceNotFoundException**

This error is thrown when the requested resource is not found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

The request exceeds a service quota.

HTTP Status Code: 402

### **ThrottlingException**

This error is thrown when the client exceeds the allowed request rate.

HTTP Status Code: 429

### **ValidationException**

This error is thrown when the client supplies invalid input to the API.

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](#)

# StartPatientInsightsJob

Starts a new patient insights job.

## Request Syntax

```
POST /domain/domainId/patient-insights-job HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "clientToken": "string",
  "encounterContext": {
    "encounterReason": "string"
  },
  "inputDataConfig": {
    "fhirServer": {
      "fhirEndpoint": "string",
      "oauthToken": "string"
    },
    "s3Sources": [
      {
        "uri": "string"
      }
    ]
  },
  "insightsContext": {
    "insightsType": "string"
  },
  "outputDataConfig": {
    "s3OutputPath": "string"
  },
  "patientContext": {
    "dateOfBirth": "string",
    "patientId": "string",
    "pronouns": "string"
  },
  "userContext": {
    "role": "string",
    "specialty": "string",
    "userId": "string"
  }
}
```

## URI Request Parameters

The request uses the following URI parameters.

### [domainId](#)

Length Constraints: Minimum length of 20. Maximum length of 25.

Pattern: (hai-|dom-)[a-z0-9]+

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### [clientToken](#)

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

Pattern: .\*\[\s\S]\*\S[\s\S]\*.\*

Required: No

### [encounterContext](#)

Type: [PatientInsightsEncounterContext](#) object

Required: Yes

### [inputDataConfig](#)

Type: [InputDataConfig](#) object

Required: Yes

### [insightsContext](#)

Type: [InsightsContext](#) object

Required: Yes

### [outputDataConfig](#)

Type: [OutputDataConfig](#) object

Required: Yes

### [patientContext](#)

Type: [PatientInsightsPatientContext](#) object

Required: Yes

### [userContext](#)

Type: [UserContext](#) object

Required: Yes

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "creationTime": "string",
  "jobArn": "string",
  "jobId": "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.

### [creationTime](#)

Date and time the patient insights job was submitted.

Type: Timestamp

## jobArn

Type: String

Length Constraints: Minimum length of 20. Maximum length of 200.

Pattern: `arn:aws[-a-z]*:health-agent:[-a-z0-9]+:[0-9]{12}:domain/[-a-zA-Z0-9-]+/patient-insights-job/[-a-zA-Z0-9_/.]+`

## jobId

Type: String

Length Constraints: Minimum length of 1. Maximum length of 36.

## Errors

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

### **AccessDeniedException**

This error is thrown when the client does not supply proper credentials to the API.

HTTP Status Code: 401

### **ConflictException**

This error is thrown when a resource update is no longer valid due to assumptions about initial state changing.

HTTP Status Code: 409

### **InternalServerErrorException**

This error is thrown when a transient error causes our API to fail.

HTTP Status Code: 500

### **ResourceNotFoundException**

This error is thrown when the requested resource is not found.

HTTP Status Code: 404

## ThrottlingException

This error is thrown when the client exceeds the allowed request rate.

HTTP Status Code: 429

## ValidationException

This error is thrown when the client supplies invalid input to the API.

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](#)

# TagResource

Associates the specified tags with the specified resource

## Request Syntax

```
POST /tags/resourceArn HTTP/1.1  
Content-type: application/json
```

```
{  
  "tags": {  
    "string" : "string"  
  }  
}
```

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

The ARN of the resource to tag

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### tags

The tags to add to the resource

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Required: Yes

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

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

## 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

Removes the specified tags from the specified resource

## Request Syntax

```
DELETE /tags/resourceArn?tagKeys=tagKeys HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

The ARN of the resource to untag

Required: Yes

### tagKeys

The tag keys to remove from the resource

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

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

## 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 Connect Health 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:

- [ArtifactDetails](#)
- [ClinicalNoteGenerationResult](#)
- [ClinicalNoteGenerationSettings](#)
- [ClinicalNoteGenerationSettingsResponse](#)
- [CreateWebAppConfiguration](#)
- [CustomTemplate](#)
- [CustomTemplateResponse](#)
- [DomainSummary](#)
- [EncounterContext](#)
- [EncryptionContext](#)
- [FHIRServer](#)
- [InputDataConfig](#)
- [InsightsContext](#)
- [InsightsOutput](#)
- [ManagedTemplate](#)
- [ManagedTemplateResponse](#)
- [MedicalScribeAudioEvent](#)
- [MedicalScribeChannelDefinition](#)
- [MedicalScribeConfigurationEvent](#)
- [MedicalScribeInputStream](#)

- [MedicalScribeListeningSessionDetails](#)
- [MedicalScribeOutputStream](#)
- [MedicalScribePostStreamActionSettings](#)
- [MedicalScribePostStreamActionSettingsResponse](#)
- [MedicalScribePostStreamActionsResult](#)
- [MedicalScribeSessionControlEvent](#)
- [MedicalScribeTranscriptEvent](#)
- [MedicalScribeTranscriptSegment](#)
- [NoteTemplateSettings](#)
- [NoteTemplateSettingsResponse](#)
- [OutputDataConfig](#)
- [PatientInsightsEncounterContext](#)
- [PatientInsightsPatientContext](#)
- [S3Source](#)
- [SubscriptionDescription](#)
- [TemplateSectionInstruction](#)
- [UserContext](#)
- [WebAppConfiguration](#)

# ArtifactDetails

Details about a generated artifact including location and status

## Contents

### failureReason

The reason for failure if the artifact generation failed

Type: String

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

Pattern: `[\s\S]*`

Required: No

### outputLocation

Type: String

Length Constraints: Minimum length of 1.

Pattern: `.*(s3://|http(s*)://).+.*`

Required: No

### status

The generation status of the artifact

Type: String

Valid Values: IN\_PROGRESS | FAILED | COMPLETED

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](#)

# ClinicalNoteGenerationResult

Results of clinical note generation including note, transcript, and summary

## Contents

### afterVisitSummaryResult

Details about the generated after visit summary

Type: [ArtifactDetails](#) object

Required: No

### noteResult

Details about the generated clinical note

Type: [ArtifactDetails](#) object

Required: No

### transcriptResult

Details about the generated transcript

Type: [ArtifactDetails](#) 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](#)

# ClinicalNoteGenerationSettings

Settings for generating clinical notes from the audio stream

## Contents

### noteTemplateSettings

Settings for the note template to use

Type: [NoteTemplateSettings](#) 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](#)

# ClinicalNoteGenerationSettingsResponse

Response containing settings for clinical note generation

## Contents

### noteTemplateSettings

Settings for the note template used

Type: [NoteTemplateSettingsResponse](#) 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](#)

# CreateWebAppConfiguration

Input configuration for creating a web application. Used only in CreateDomain operation input.

## Contents

### ehrRole

ARN of the IAM role used for EHR operations.

Type: String

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

Pattern: `arn:aws:iam::[0-9]{12}:role/.+`

Required: Yes

### idcInstanceid

The Identity Center instance ID to use for creating the application.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

### idcRegion

The AWS region where Identity Center is configured.

Type: String

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

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](#)

# CustomTemplate

Configuration for using a custom note template with specific instructions

## Contents

### templateInstructions

Custom instructions for each section of the template

Type: Array of [TemplateSectionInstruction](#) objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: Yes

### templateType

The base template type to customize

Type: String

Valid Values: HISTORY\_AND\_PHYSICAL | GIRPP | DAP | SIRP | BIRP | BEHAVIORAL\_SOAP

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](#)

# CustomTemplateResponse

Response containing custom template information

## Contents

### templateType

The base template type that was customized

Type: String

Valid Values: HISTORY\_AND\_PHYSICAL | GIRPP | DAP | SIRP | BIRP | BEHAVIORAL\_SOAP

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](#)

# DomainSummary

Summary information about a Domain.

## Contents

### arn

Type: String

Pattern: `arn:aws:health-agent:[a-z0-9-]+:[0-9]{12}:domain/(hai-|dom-)[a-z0-9]+`

Required: Yes

### createdAt

The timestamp when the Domain was created.

Type: Timestamp

Required: Yes

### domainId

The unique identifier of the Domain.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 25.

Pattern: `(hai-|dom-)[a-z0-9]+`

Required: Yes

### name

Type: String

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

Required: Yes

## status

Type: String

Valid Values: ACTIVE | DELETING | DELETED

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](#)

# EncounterContext

Context information about the clinical encounter

## Contents

### unstructuredContext

Unstructured context information in markdown format

Type: String

Pattern: `[a-zA-Z0-9\s\*_\-\#\[\]\(\)\.\,;\:;!?'\"`<>~]+`

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](#)

# EncryptionContext

Encryption context for a Domain.

## Contents

### encryptionType

The type of encryption key used.

Type: String

Valid Values: `AWS_OWNED_KEY` | `CUSTOMER_MANAGED_KEY`

Required: Yes

### kmsKeyArn

The ARN of the KMS key. Only present when encryptionType is `CUSTOMER_MANAGED_KEY`.

Type: String

Pattern: `arn:aws:kms:[a-z0-9-]+:[0-9]{12}:key/[a-f0-9-]+`

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](#)

# FHIRServer

FHIR server configuration for input data source

## Contents

### fhirEndpoint

FHIR server endpoint URL for accessing patient data.

Type: String

Pattern: `https?://[a-zA-Z0-9\-.~:/?#\[\]@!$&'()*+,\;=%]+`

Required: Yes

### oauthToken

OAuth token for authenticating with the FHIR server.

Type: String

Pattern: `.*[\s\S]*\S[\s\S]*.*`

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](#)

# InputDataConfig

Configuration details for input patient data

## Contents

### fhirServer

FHIR server configuration to retrieve patient data.

Type: [FHIRServer](#) object

Required: No

### s3Sources

List of S3 sources containing patient data.

Type: Array of [S3Source](#) objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

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](#)

# InsightsContext

Details for insights that user wants to generate

## Contents

### insightsType

Type: String

Valid Values: PRE\_VISIT

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](#)

# InsightsOutput

Output of patient insights job

## Contents

### uri

Type: String

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

Pattern: `s3://[a-z0-9][\.\-a-z0-9]{1,61}[a-z0-9](/.*)?`

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](#)

# ManagedTemplate

Configuration for using a managed note template

## Contents

### templateType

The type of managed template to use

Type: String

Valid Values: HISTORY\_AND\_PHYSICAL | GIRPP | DAP | SIRP | BIRP | BEHAVIORAL\_SOAP | PHYSICAL\_SOAP

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](#)

# ManagedTemplateResponse

Response containing managed template information

## Contents

### templateType

The type of managed template used

Type: String

Valid Values: HISTORY\_AND\_PHYSICAL | GIRPP | DAP | SIRP | BIRP | BEHAVIORAL\_SOAP | PHYSICAL\_SOAP

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](#)

# MedicalScribeAudioEvent

An event containing audio data for the Medical Scribe stream

## Contents

### audioChunk

The audio data chunk

Type: Base64-encoded binary data object

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](#)

# MedicalScribeChannelDefinition

Defines a channel in the audio stream

## Contents

### channelId

The channel identifier

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1.

Required: Yes

### participantRole

The role of the participant on this channel

Type: String

Valid Values: PATIENT | CLINICIAN

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](#)

# MedicalScribeConfigurationEvent

An event containing configuration for the Medical Scribe session

## Contents

### postStreamActionSettings

Settings for actions to perform after the stream ends

Type: [MedicalScribePostStreamActionSettings](#) object

Required: Yes

### channelDefinitions

Channel definitions for the audio stream

Type: Array of [MedicalScribeChannelDefinition](#) objects

Array Members: Fixed number of 2 items.

Required: No

### encounterContext

Context information about the clinical encounter

Type: [EncounterContext](#) 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](#)

# MedicalScribeInputStream

Input stream for Medical Scribe containing audio and configuration events

## Contents

### audioEvent

Type: [MedicalScribeAudioEvent](#) object

Required: No

### configurationEvent

Type: [MedicalScribeConfigurationEvent](#) object

Required: No

### sessionControlEvent

Type: [MedicalScribeSessionControlEvent](#) 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](#)

# MedicalScribeListeningSessionDetails

Detailed information about a Medical Scribe listening session

## Contents

### channelDefinitions

Channel definitions for the audio stream

Type: Array of [MedicalScribeChannelDefinition](#) objects

Array Members: Fixed number of 2 items.

Required: No

### domainId

The Domain identifier

Type: String

Length Constraints: Minimum length of 20. Maximum length of 25.

Pattern: (hai-|dom-)[a-z0-9]+

Required: No

### encounterContextProvided

Indicates whether encounter context was provided

Type: Boolean

Required: No

### languageCode

The Language Code for the audio in the session

Type: String

Valid Values: en-US

Required: No

## mediaEncoding

The encoding for the input audio

Type: String

Valid Values: pcm | flac

Required: No

## mediaSampleRateHertz

The sample rate of the input audio

Type: Integer

Valid Range: Minimum value of 8000. Maximum value of 48000.

Required: No

## postStreamActionResult

Results of post-stream actions

Type: [MedicalScribePostStreamActionResult](#) object

Required: No

## postStreamActionSettings

Settings for post-stream actions

Type: [MedicalScribePostStreamActionSettingsResponse](#) object

Required: No

## sessionId

The Session identifier

Type: String

Length Constraints: Fixed length of 36.

Pattern: `.*[a-fA-F0-9]{8}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{4}-[a-fA-F0-9]{12}.*`

Required: No

### **streamCreationTime**

The timestamp when the stream was created

Type: Timestamp

Required: No

### **streamEndTime**

The timestamp when the stream ended

Type: Timestamp

Required: No

### **streamStatus**

The current status of the stream

Type: String

Valid Values: IN\_PROGRESS | PAUSED | FAILED | COMPLETED

Required: No

### **subscriptionId**

The Subscription identifier

Type: String

Length Constraints: Fixed length of 25.

Pattern: sub-[a-zA-Z0-9]{21}

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](#)

# MedicalScribeOutputStream

Output stream from Medical Scribe containing transcript events and errors

## Contents

### **internalFailureException**

Type: Exception

HTTP Status Code: 500

Required: No

### **transcriptEvent**

Type: [MedicalScribeTranscriptEvent](#) object

Required: No

### **validationException**

Type: Exception

HTTP Status Code: 400

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](#)

# MedicalScribePostStreamActionSettings

Settings for actions to perform after the audio stream ends

## Contents

### clinicalNoteGenerationSettings

Settings for clinical note generation

Type: [ClinicalNoteGenerationSettings](#) object

Required: Yes

### outputS3Uri

Type: String

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

Pattern: s3://[a-z0-9][\.\-a-z0-9]{1,61}[a-z0-9](/.\*)?

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](#)

# MedicalScribePostStreamActionSettingsResponse

Response containing settings for post-stream actions

## Contents

### clinicalNoteGenerationSettings

Settings for clinical note generation

Type: [ClinicalNoteGenerationSettingsResponse](#) object

Required: Yes

### outputS3Uri

Type: String

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

Pattern: s3://[a-z0-9][\.\-a-z0-9]{1,61}[a-z0-9](/.\*)?

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](#)

# MedicalScribePostStreamActionsResult

Results of post-stream actions performed after the audio stream ended

## Contents

### clinicalNoteGenerationResult

Results of clinical note generation

Type: [ClinicalNoteGenerationResult](#) 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](#)

# MedicalScribeSessionControlEvent

An event for controlling the Medical Scribe session

## Contents

### type

The type of session control event

Type: String

Valid Values: END\_OF\_SESSION

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](#)

# MedicalScribeTranscriptEvent

An event containing transcript data from the Medical Scribe stream

## Contents

### transcriptSegment

A segment of the transcript

Type: [MedicalScribeTranscriptSegment](#) 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](#)

# MedicalScribeTranscriptSegment

A segment of transcript text with timing and channel information

## Contents

### **audioBeginOffset**

The offset from audio start when the audio for this segment begins

Type: Double

Required: No

### **audioEndOffset**

The offset from audio start when the audio for this segment ends

Type: Double

Required: No

### **channelId**

The channel identifier for this segment

Type: String

Required: No

### **content**

The transcript text content

Type: String

Required: No

### **isPartial**

Indicates whether this is a partial or final transcript

Type: Boolean

Required: No

## **segmentId**

The unique identifier for this segment

Type: String

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](#)

# NoteTemplateSettings

Settings for the note template to use for clinical note generation

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### customTemplate

Type: [CustomTemplate](#) object

Required: No

### managedTemplate

Type: [ManagedTemplate](#) 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](#)

# NoteTemplateSettingsResponse

Response containing note template settings

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### customTemplate

Type: [CustomTemplateResponse](#) object

Required: No

### managedTemplate

Type: [ManagedTemplateResponse](#) 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](#)

# OutputDataConfig

Configuration details for insights output.

## Contents

### s3OutputPath

S3 URI where the insights output will be stored.

Type: String

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

Pattern: `s3://[a-z0-9][\.\-a-z0-9]{1,61}[a-z0-9](/.*)?`

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](#)

# PatientInsightsEncounterContext

Details for an encounter

## Contents

### encounterReason

Chief complaint for the visit

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: [a-zA-Z0-9 ., - ]+

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](#)

# PatientInsightsPatientContext

Details for a patient

## Contents

### patientId

Unique identifier of the patient

Type: String

Pattern: `.*[\s\S]*\S[\s\S]*.*`

Required: Yes

### dateOfBirth

Date of birth of the patient.

Type: String

Pattern: `\d{4}-(0[1-9]|1[0-2])-(0[1-9]|12)\d|3[01])`

Required: No

### pronouns

Pronouns preferred by the patient.

Type: String

Valid Values: HE\_HIM | SHE\_HER | THEY\_THEM

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](#)

# S3Source

S3 uri for input data source

## Contents

### uri

The S3 URI.

Type: String

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

Pattern: `s3://[a-z0-9][\.\-a-z0-9]{1,61}[a-z0-9](/.* )?`

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](#)

# SubscriptionDescription

Complete subscription resource data.

## Contents

### arn

Type: String

Pattern: `arn:aws:health-agent:[a-z0-9-]+:[0-9]{12}:domain/(hai-|dom-)[a-z0-9-]+/subscription/sub-[a-zA-Z0-9]{21}`

Required: Yes

### createdAt

Type: Timestamp

Required: Yes

### domainId

Type: String

Length Constraints: Minimum length of 20. Maximum length of 25.

Pattern: `(hai-|dom-)[a-z0-9-]+`

Required: Yes

### lastUpdatedAt

Type: Timestamp

Required: Yes

### status

Type: String

Valid Values: ACTIVE | INACTIVE | DELETED

Required: Yes

### **subscriptionId**

Type: String

Length Constraints: Fixed length of 25.

Pattern: sub-[a-zA-Z0-9]{21}

Required: Yes

### **activatedAt**

Type: Timestamp

Required: No

### **deactivatedAt**

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](#)

# TemplateSectionInstruction

Instructions for generating a specific section of a clinical note

## Contents

### sectionHeader

The header for this section of the template

Type: String

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

Required: Yes

### sectionInstruction

The instruction for generating this section

Type: String

Pattern: [a-zA-Z0-9\s\\*\\_\-#\[\]\(\)\.,;!?'"`<>~]+

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](#)

# UserContext

Details for user initiating insights job

## Contents

### role

Type: String

Valid Values: CLINICIAN

Required: Yes

### userId

Unique identifier of the user

Type: String

Pattern: `.*[\s\S]*\S[\s\S]*.*`

Required: Yes

### specialty

Type: String

Valid Values: PRIMARY\_CARE

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](#)



# WebAppConfiguration

Configuration for the Domain web application, including Identity Center settings. If provided, all fields are required.

## Contents

### ehrRole

ARN of the IAM role used for EHR operations.

Type: String

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

Pattern: `arn:aws:iam::[0-9]{12}:role/.+`

Required: Yes

### idcApplicationId

The Identity Center application ID associated with this Domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

### idcRegion

The AWS region where Identity Center is configured.

Type: String

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

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](#)

# Developing with Amazon Connect Health using the AWS SDKs

AWS software development kits (SDKs) are available for many popular programming languages. Each SDK provides an API, code examples, and documentation that make it easier for developers to build applications in their preferred language.

SDK	Amazon Connect Health API reference
AWS SDK for C++	<a href="#">Amazon Connect Health AWS SDK for C++ API reference</a>
AWS CLI	<a href="#">Amazon Connect Health AWS CLI reference</a>
AWS SDK for Go	<a href="#">Amazon Connect Health AWS SDK for Go API reference</a>
AWS SDK for Java	<a href="#">Amazon Connect Health AWS SDK for Java API reference</a>
AWS SDK for JavaScript	<a href="#">Amazon Connect Health AWS SDK for JavaScript API reference</a>
AWS SDK for .NET	<a href="#">Amazon Connect Health AWS SDK for .NET API reference</a>
AWS SDK for Python (Boto)	<a href="#">Amazon Connect Health AWS SDK for Python (Boto) API reference</a>
AWS SDK for Ruby	<a href="#">Amazon Connect Health AWS SDK for Ruby API reference</a>
AWS SDK for Rust	<a href="#">Amazon Connect Health AWS SDK for Rust API reference</a>
AWS SDK for Swift	<a href="#">Amazon Connect Health AWS SDK for Swift API reference</a>

# 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