aws

API Reference

Timestream for InfluxDB

API Version 2023-01-27

Timestream for InfluxDB: API Reference

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Welcome

Amazon Timestream for InfluxDB is a managed time-series database engine that makes it easy for application developers and DevOps teams to run InfluxDB databases on AWS for near real-time time-series applications using open-source APIs. With Amazon Timestream for InfluxDB, it is easy to set up, operate, and scale time-series workloads that can answer queries with single-digit millisecond query response time.

This document was last published on April 10, 2026.

Actions

The following actions are supported:

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- CreateDbInstance
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CreateDbCluster

Creates a new Timestream for InfluxDB cluster.

Request Syntax

```
{
   "allocatedStorage": number,
   "bucket": "string",
   "dbInstanceType": "string",
   "dbParameterGroupIdentifier": "string",
   "dbStorageType": "string",
   "deploymentType": "string",
   "failoverMode": "string",
   "logDeliveryConfiguration": {
      "s3Configuration": {
         "bucketName": "string",
         "enabled": boolean
      }
   },
   "name": "string",
   "networkType": "string",
   "organization": "string",
   "password": "string",
   "port": number,
   "publiclyAccessible": boolean,
   "tags": {
      "string" : "string"
   },
   "username": "string",
   "vpcSecurityGroupIds": [ "string" ],
   "vpcSubnetIds": [ "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.

allocatedStorage

The amount of storage to allocate for your DB storage type in GiB (gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

Required: No

bucket

The name of the initial InfluxDB bucket. All InfluxDB data is stored in a bucket. A bucket combines the concept of a database and a retention period (the duration of time that each data point persists). A bucket belongs to an organization.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[^_"][^"]*`

Required: No

dbInstanceType

The Timestream for InfluxDB DB instance type to run InfluxDB on.

Type: String

Valid Values: `db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge | db.influx.24xlarge`

Required: Yes

dbParameterGroupIdentifier

The ID of the DB parameter group to assign to your DB cluster. DB parameter groups specify how the database is configured. For example, DB parameter groups can specify the limit for query concurrency.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

Required: No

dbStorageType

The Timestream for InfluxDB DB storage type to read and write InfluxDB data.

You can choose between three different types of provisioned Influx IOPS Included storage according to your workload requirements:

- Influx I/O Included 3000 IOPS
- Influx I/O Included 12000 IOPS
- Influx I/O Included 16000 IOPS

Type: String

Valid Values: `InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3`

Required: No

deploymentType

Specifies the type of cluster to create.

Type: String

Valid Values: `MULTI_NODE_READ_REPLICAS`

Required: No

failoverMode

Specifies the behavior of failure recovery when the primary node of the cluster fails.

Type: String

Valid Values: `AUTOMATIC | NO_FAILOVER`

Required: No

logDeliveryConfiguration

Configuration for sending InfluxDB engine logs to a specified S3 bucket.

Type: LogDeliveryConfiguration object

Required: No

name

The name that uniquely identifies the DB cluster when interacting with the Amazon Timestream for InfluxDB API and CLI commands. This name will also be a prefix included in the endpoint. DB cluster names must be unique per customer and per region.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: `[a-zA-z][a-zA-Z0-9]*(-[a-zA-Z0-9]+)*`

Required: Yes

networkType

Specifies whether the network type of the Timestream for InfluxDB cluster is IPv4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: `IPV4 | DUAL`

Required: No

organization

The name of the initial organization for the initial admin user in InfluxDB. An InfluxDB organization is a workspace for a group of users.

Type: String

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

Required: No

password

The password of the initial admin user created in InfluxDB. This password will allow you to access the InfluxDB UI to perform various administrative tasks and also use the InfluxDB CLI to create an operator token. These attributes will be stored in a secret created in AWS Secrets Manager in your account.

Type: String

Length Constraints: Minimum length of 8. Maximum length of 64.

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

Required: No

port

The port number on which InfluxDB accepts connections.

Valid Values: 1024-65535

Default: 8086 for InfluxDB v2, 8181 for InfluxDB v3

Constraints: The value can't be 2375-2376, 7788-7799, 8090, or 51678-51680

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

Required: No

publiclyAccessible

Configures the Timestream for InfluxDB cluster with a public IP to facilitate access from outside the VPC.

Type: Boolean

Required: No

tags

A list of key-value pairs to associate with the DB instance.

Type: String to string map

Map Entries: Maximum number of 200 items.

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

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

Required: No

username

The username of the initial admin user created in InfluxDB. Must start with a letter and can't end with a hyphen or contain two consecutive hyphens. For example, my-user1. This username will allow you to access the InfluxDB UI to perform various administrative tasks and also use the InfluxDB CLI to create an operator token. These attributes will be stored in a secret created in AWS Secrets Manager in your account.

Type: String

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

Required: No

vpcSecurityGroupIds

A list of VPC security group IDs to associate with the Timestream for InfluxDB cluster.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `sg-[a-z0-9]+`

Required: Yes

vpcSubnetIds

A list of VPC subnet IDs to associate with the DB cluster. Provide at least two VPC subnet IDs in different Availability Zones when deploying with a Multi-AZ standby.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 6 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `subnet-[a-z0-9]+`

Required: Yes

Response Syntax

```
{
   "dbClusterId": "string",
   "dbClusterStatus": "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.

dbClusterId

A service-generated unique identifier.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

dbClusterStatus

The status of the DB cluster.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | AVAILABLE | FAILED | DELETED | MAINTENANCE | UPDATING_INSTANCE_TYPE | REBOOTING | REBOOT_FAILED | PARTIALLY_AVAILABLE`

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

The request conflicts with an existing resource in Timestream for InfluxDB.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

InternalServerException

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found or does not exist.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

ServiceQuotaExceededException

The request exceeds the service quota.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

HTTP Status Code: 400

ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

reason

The reason that validation failed.

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

CreateDbInstance

Creates a new Timestream for InfluxDB DB instance.

Request Syntax

```
{
   "allocatedStorage": number,
   "bucket": "string",
   "dbInstanceType": "string",
   "dbParameterGroupIdentifier": "string",
   "dbStorageType": "string",
   "deploymentType": "string",
   "logDeliveryConfiguration": {
      "s3Configuration": {
         "bucketName": "string",
         "enabled": boolean
      }
   },
   "name": "string",
   "networkType": "string",
   "organization": "string",
   "password": "string",
   "port": number,
   "publiclyAccessible": boolean,
   "tags": {
      "string" : "string"
   },
   "username": "string",
   "vpcSecurityGroupIds": [ "string" ],
   "vpcSubnetIds": [ "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.

allocatedStorage

The amount of storage to allocate for your DB storage type in GiB (gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

Required: Yes

bucket

The name of the initial InfluxDB bucket. All InfluxDB data is stored in a bucket. A bucket combines the concept of a database and a retention period (the duration of time that each data point persists). A bucket belongs to an organization.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[^_"][^"]*`

Required: No

dbInstanceType

The Timestream for InfluxDB DB instance type to run InfluxDB on.

Type: String

Valid Values: `db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge | db.influx.24xlarge`

Required: Yes

dbParameterGroupIdentifier

The id of the DB parameter group to assign to your DB instance. DB parameter groups specify how the database is configured. For example, DB parameter groups can specify the limit for query concurrency.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

Required: No

dbStorageType

The Timestream for InfluxDB DB storage type to read and write InfluxDB data.

You can choose between 3 different types of provisioned Influx IOPS included storage according to your workloads requirements:

- Influx IO Included 3000 IOPS
- Influx IO Included 12000 IOPS
- Influx IO Included 16000 IOPS

Type: String

Valid Values: `InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3`

Required: No

deploymentType

Specifies whether the DB instance will be deployed as a standalone instance or with a Multi-AZ standby for high availability.

Type: String

Valid Values: `SINGLE_AZ | WITH_MULTIAZ_STANDBY`

Required: No

logDeliveryConfiguration

Configuration for sending InfluxDB engine logs to a specified S3 bucket.

Type: LogDeliveryConfiguration object

Required: No

name

The name that uniquely identifies the DB instance when interacting with the Amazon Timestream for InfluxDB API and CLI commands. This name will also be a prefix included in the endpoint. DB instance names must be unique per customer and per region.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: `[a-zA-Z][a-zA-Z0-9]*(-[a-zA-Z0-9]+)*`

Required: Yes

networkType

Specifies whether the networkType of the Timestream for InfluxDB instance is IPV4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: `IPV4 | DUAL`

Required: No

organization

The name of the initial organization for the initial admin user in InfluxDB. An InfluxDB organization is a workspace for a group of users.

Type: String

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

Required: No

password

The password of the initial admin user created in InfluxDB v2. This password will allow you to access the InfluxDB UI to perform various administrative tasks and also use the InfluxDB CLI to create an operator token. These attributes will be stored in a Secret created in AWS Secrets Manager in your account.

Type: String

Length Constraints: Minimum length of 8. Maximum length of 64.

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

Required: Yes

port

The port number on which InfluxDB accepts connections.

Valid Values: 1024-65535

Default: 8086

Constraints: The value can't be 2375-2376, 7788-7799, 8090, or 51678-51680

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

Required: No

publiclyAccessible

Configures the DB instance with a public IP to facilitate access.

Type: Boolean

Required: No

tags

A list of key-value pairs to associate with the DB instance.

Type: String to string map

Map Entries: Maximum number of 200 items.

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

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

Required: No

username

The username of the initial admin user created in InfluxDB. Must start with a letter and can't end with a hyphen or contain two consecutive hyphens. For example, my-user1. This username will allow you to access the InfluxDB UI to perform various administrative tasks and also use the InfluxDB CLI to create an operator token. These attributes will be stored in a Secret created in Amazon Secrets Manager in your account.

Type: String

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

Required: No

vpcSecurityGroupIds

A list of VPC security group IDs to associate with the DB instance.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `sg-[a-z0-9]+`

Required: Yes

vpcSubnetIds

A list of VPC subnet IDs to associate with the DB instance. Provide at least two VPC subnet IDs in different availability zones when deploying with a Multi-AZ standby.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 6 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `subnet-[a-z0-9]+`

Required: Yes

Response Syntax

```
{
   "allocatedStorage": number,
   "arn": "string",
   "availabilityZone": "string",
   "dbClusterId": "string",
   "dbInstanceType": "string",
   "dbParameterGroupIdentifier": "string",
```

```
    "dbStorageType": "string",
    "deploymentType": "string",
    "endpoint": "string",
    "id": "string",
    "influxAuthParametersSecretArn": "string",
    "instanceMode": "string",
    "instanceModes": [ "string" ],
    "logDeliveryConfiguration": {
       "s3Configuration": {
          "bucketName": "string",
          "enabled": boolean
       }
    },
    "name": "string",
    "networkType": "string",
    "port": number,
    "publiclyAccessible": boolean,
    "secondaryAvailabilityZone": "string",
    "status": "string",
    "vpcSecurityGroupIds": [ "string" ],
    "vpcSubnetIds": [ "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.

allocatedStorage

The amount of storage allocated for your DB storage type (in gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

arn

The Amazon Resource Name (ARN) of the DB instance.

Type: String

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

Pattern: `arn:aws[a-z\-]*:timestream\-influxdb:[a-z0-9\-]+:[0-9]{12}:(db\-instance|db\-cluster|db\-parameter\-group)/[a-zA-Z0-9]{3,64}`

availabilityZone

The Availability Zone in which the DB instance resides.

Type: String

dbClusterId

Specifies the DbCluster to which this DbInstance belongs to.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

dbInstanceType

The Timestream for InfluxDB instance type that InfluxDB runs on.

Type: String

Valid Values: `db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge | db.influx.24xlarge`

dbParameterGroupIdentifier

The id of the DB parameter group assigned to your DB instance.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

dbStorageType

The Timestream for InfluxDB DB storage type that InfluxDB stores data on.

Type: String

Valid Values: `InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3`

deploymentType

Specifies whether the Timestream for InfluxDB is deployed as Single-AZ or with a MultiAZ Standby for High availability.

Type: String

Valid Values: `SINGLE_AZ | WITH_MULTIAZ_STANDBY`

endpoint

The endpoint used to connect to InfluxDB. The default InfluxDB port is 8086.

Type: String

id

A service-generated unique identifier.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

influxAuthParametersSecretArn

The Amazon Resource Name (ARN) of the AWS Secrets Manager secret containing the initial InfluxDB authorization parameters. The secret value is a JSON formatted key-value pair holding InfluxDB authorization values: organization, bucket, username, and password.

Type: String

instanceMode

Specifies the DbInstance's role in the cluster.

Type: String

Valid Values: `PRIMARY | STANDBY | REPLICA | INGEST | QUERY | COMPACT | PROCESS`

instanceModes

Specifies the DbInstance's roles in the cluster.

Type: Array of strings

Valid Values: `PRIMARY | STANDBY | REPLICA | INGEST | QUERY | COMPACT | PROCESS`

logDeliveryConfiguration

Configuration for sending InfluxDB engine logs to send to specified S3 bucket.

Type: LogDeliveryConfiguration object

name

The customer-supplied name that uniquely identifies the DB instance when interacting with the Amazon Timestream for InfluxDB API and CLI commands.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: `[a-zA-Z][a-zA-Z0-9]*(-[a-zA-Z0-9]+)*`

networkType

Specifies whether the networkType of the Timestream for InfluxDB instance is IPV4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: `IPV4 | DUAL`

port

The port number on which InfluxDB accepts connections. The default value is 8086.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

publiclyAccessible

Indicates if the DB instance has a public IP to facilitate access.

Type: Boolean

secondaryAvailabilityZone

The Availability Zone in which the standby instance is located when deploying with a MultiAZ standby instance.

Type: String

status

The status of the DB instance.

Type: String

Valid Values: `CREATING | AVAILABLE | DELETING | MODIFYING | UPDATING | DELETED | FAILED | UPDATING_DEPLOYMENT_TYPE | UPDATING_INSTANCE_TYPE | MAINTENANCE | REBOOTING | REBOOT_FAILED`

vpcSecurityGroupIds

A list of VPC security group IDs associated with the DB instance.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `sg-[a-z0-9]+`

vpcSubnetIds

A list of VPC subnet IDs associated with the DB instance.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 6 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `subnet-[a-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

The request conflicts with an existing resource in Timestream for InfluxDB.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

InternalServerException

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found or does not exist.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

ServiceQuotaExceededException

The request exceeds the service quota.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

HTTP Status Code: 400

ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

reason

The reason that validation failed.

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

CreateDbParameterGroup

Creates a new Timestream for InfluxDB DB parameter group to associate with DB instances.

Request Syntax

```
{
   "description": "string",
   "name": "string",
   "parameters": { ... },
   "tags": {
      "string" : "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.

description

A description of the DB parameter group.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

name

The name of the DB parameter group. The name must be unique per customer and per region.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: `[a-zA-Z][a-zA-Z0-9]*(-[a-zA-Z0-9]+)*`

Required: Yes

parameters

A list of the parameters that comprise the DB parameter group.

Type: Parameters object

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

Required: No

tags

A list of key-value pairs to associate with the DB parameter group.

Type: String to string map

Map Entries: Maximum number of 200 items.

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

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

Required: No

Response Syntax

```
{
   "arn": "string",
   "description": "string",
   "id": "string",
   "name": "string",
   "parameters": { ... }
}
```

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 Amazon Resource Name (ARM) of the DB parameter group.

Type: String

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

Pattern: `arn:aws[a-z\-]*:timestream\-influxdb:[a-z0-9\-]+:[0-9]{12}:(db\-instance|db\-cluster|db\-parameter\-group)/[a-zA-Z0-9]{3,64}`

description

The description of the DB parameter group.

Type: String

id

A service-generated unique identifier.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

name

The customer-supplied name that uniquely identifies the DB parameter group when interacting with the Amazon Timestream for InfluxDB API and CLI commands.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: `[a-zA-Z][a-zA-Z0-9]*(-[a-zA-Z0-9]+)*`

parameters

A list of the parameters that comprise the DB parameter group.

Type: Parameters object

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

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

The request conflicts with an existing resource in Timestream for InfluxDB.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

InternalServerException

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found or does not exist.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

ServiceQuotaExceededException

The request exceeds the service quota.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

HTTP Status Code: 400

ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

reason

The reason that validation failed.

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

DeleteDbCluster

Deletes a Timestream for InfluxDB cluster.

Request Syntax

```
{
   "dbClusterId": "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.

dbClusterId

Service-generated unique identifier of the DB cluster.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

Required: Yes

Response Syntax

```
{
   "dbClusterStatus": "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.

dbClusterStatus

The status of the DB cluster.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | AVAILABLE | FAILED | DELETED | MAINTENANCE | UPDATING_INSTANCE_TYPE | REBOOTING | REBOOT_FAILED | PARTIALLY_AVAILABLE`

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

The request conflicts with an existing resource in Timestream for InfluxDB.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

InternalServerException

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found or does not exist.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

HTTP Status Code: 400

ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

reason

The reason that validation failed.

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

DeleteDbInstance

Deletes a Timestream for InfluxDB DB instance.

Request Syntax

```
{
   "identifier": "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.

identifier

The id of the DB instance.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

Required: Yes

Response Syntax

```
{
   "allocatedStorage": number,
   "arn": "string",
   "availabilityZone": "string",
   "dbClusterId": "string",
   "dbInstanceType": "string",
   "dbParameterGroupIdentifier": "string",
   "dbStorageType": "string",
   "deploymentType": "string",
   "endpoint": "string",
```

```
    "id": "string",
    "influxAuthParametersSecretArn": "string",
    "instanceMode": "string",
    "instanceModes": [ "string" ],
    "logDeliveryConfiguration": {
       "s3Configuration": {
          "bucketName": "string",
          "enabled": boolean
       }
    },
    "name": "string",
    "networkType": "string",
    "port": number,
    "publiclyAccessible": boolean,
    "secondaryAvailabilityZone": "string",
    "status": "string",
    "vpcSecurityGroupIds": [ "string" ],
    "vpcSubnetIds": [ "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.

allocatedStorage

The amount of storage allocated for your DB storage type (in gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

arn

The Amazon Resource Name (ARN) of the DB instance.

Type: String

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

Pattern: `arn:aws[a-z\-]*:timestream\-influxdb:[a-z0-9\-]+:[0-9]{12}:(db\-instance|db\-cluster|db\-parameter\-group)/[a-zA-Z0-9]{3,64}`

availabilityZone

The Availability Zone in which the DB instance resides.

Type: String

dbClusterId

Specifies the DbCluster to which this DbInstance belongs to.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

dbInstanceType

The Timestream for InfluxDB instance type that InfluxDB runs on.

Type: String

Valid Values: `db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge | db.influx.24xlarge`

dbParameterGroupIdentifier

The id of the DB parameter group assigned to your DB instance.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

dbStorageType

The Timestream for InfluxDB DB storage type that InfluxDB stores data on.

Type: String

Valid Values: `InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3`

deploymentType

Specifies whether the Timestream for InfluxDB is deployed as Single-AZ or with a MultiAZ Standby for High availability.

Type: String

Valid Values: `SINGLE_AZ | WITH_MULTIAZ_STANDBY`

endpoint

The endpoint used to connect to InfluxDB. The default InfluxDB port is 8086.

Type: String

id

A service-generated unique identifier.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

influxAuthParametersSecretArn

The Amazon Resource Name (ARN) of the AWS Secrets Manager secret containing the initial InfluxDB authorization parameters. The secret value is a JSON formatted key-value pair holding InfluxDB authorization values: organization, bucket, username, and password.

Type: String

instanceMode

Specifies the DbInstance's role in the cluster.

Type: String

Valid Values: `PRIMARY | STANDBY | REPLICA | INGEST | QUERY | COMPACT | PROCESS`

instanceModes

Specifies the DbInstance's roles in the cluster.

Type: Array of strings

Valid Values: `PRIMARY | STANDBY | REPLICA | INGEST | QUERY | COMPACT | PROCESS`

logDeliveryConfiguration

Configuration for sending InfluxDB engine logs to send to specified S3 bucket.

Type: LogDeliveryConfiguration object

name

The customer-supplied name that uniquely identifies the DB instance when interacting with the Amazon Timestream for InfluxDB API and CLI commands.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: `[a-zA-Z][a-zA-Z0-9]*(-[a-zA-Z0-9]+)*`

networkType

Specifies whether the networkType of the Timestream for InfluxDB instance is IPV4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: `IPV4 | DUAL`

port

The port number on which InfluxDB accepts connections.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

publiclyAccessible

Indicates if the DB instance has a public IP to facilitate access.

Type: Boolean

secondaryAvailabilityZone

The Availability Zone in which the standby instance is located when deploying with a MultiAZ standby instance.

Type: String

status

The status of the DB instance.

Type: String

Valid Values: `CREATING | AVAILABLE | DELETING | MODIFYING | UPDATING | DELETED | FAILED | UPDATING_DEPLOYMENT_TYPE | UPDATING_INSTANCE_TYPE | MAINTENANCE | REBOOTING | REBOOT_FAILED`

vpcSecurityGroupIds

A list of VPC security group IDs associated with the DB instance.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `sg-[a-z0-9]+`

vpcSubnetIds

A list of VPC subnet IDs associated with the DB instance.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 6 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `subnet-[a-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

The request conflicts with an existing resource in Timestream for InfluxDB.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

InternalServerException

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found or does not exist.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

HTTP Status Code: 400

ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

reason

The reason that validation failed.

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

GetDbCluster

Retrieves information about a Timestream for InfluxDB cluster.

Request Syntax

```
{
   "dbClusterId": "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.

dbClusterId

Service-generated unique identifier of the DB cluster to retrieve.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

Required: Yes

Response Syntax

```
{
   "allocatedStorage": number,
   "arn": "string",
   "dbInstanceType": "string",
   "dbParameterGroupIdentifier": "string",
   "dbStorageType": "string",
   "deploymentType": "string",
   "endpoint": "string",
   "engineType": "string",
   "failoverMode": "string",
   "id": "string",
```

```
    "influxAuthParametersSecretArn": "string",
    "logDeliveryConfiguration": {
       "s3Configuration": {
          "bucketName": "string",
          "enabled": boolean
       }
    },
    "name": "string",
    "networkType": "string",
    "port": number,
    "publiclyAccessible": boolean,
    "readerEndpoint": "string",
    "status": "string",
    "vpcSecurityGroupIds": [ "string" ],
    "vpcSubnetIds": [ "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.

allocatedStorage

The amount of storage allocated for your DB storage type (in gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

arn

The Amazon Resource Name (ARN) of the DB cluster.

Type: String

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

Pattern: `arn:aws[a-z\-]*:timestream\-influxdb:[a-z0-9\-]+:[0-9]{12}:(db\-instance|db\-cluster|db\-parameter\-group)/[a-zA-Z0-9]{3,64}`

dbInstanceType

The Timestream for InfluxDB instance type that InfluxDB runs on.

Type: String

Valid Values: `db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge | db.influx.24xlarge`

dbParameterGroupIdentifier

The ID of the DB parameter group assigned to your DB cluster.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

dbStorageType

The Timestream for InfluxDB DB storage type that InfluxDB stores data on.

Type: String

Valid Values: `InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3`

deploymentType

Deployment type of the DB cluster.

Type: String

Valid Values: `MULTI_NODE_READ_REPLICAS`

endpoint

The endpoint used to connect to the Timestream for InfluxDB cluster for write and read operations.

Type: String

engineType

The engine type of your DB cluster.

Type: String

Valid Values: `INFLUXDB_V2 | INFLUXDB_V3_CORE | INFLUXDB_V3_ENTERPRISE`

failoverMode

The configured failover mode for the DB cluster.

Type: String

Valid Values: `AUTOMATIC | NO_FAILOVER`

id

Service-generated unique identifier of the DB cluster to retrieve.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

influxAuthParametersSecretArn

The Amazon Resource Name (ARN) of the AWS Secrets Manager secret containing the initial InfluxDB authorization parameters. The secret value is a JSON formatted key-value pair holding InfluxDB authorization values: organization, bucket, username, and password.

Type: String

logDeliveryConfiguration

Configuration for sending InfluxDB engine logs to send to specified S3 bucket.

Type: LogDeliveryConfiguration object

name

Customer-supplied name of the Timestream for InfluxDB cluster.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: `[a-zA-z][a-zA-Z0-9]*(-[a-zA-Z0-9]+)*`

networkType

Specifies whether the network type of the Timestream for InfluxDB cluster is IPv4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: `IPV4 | DUAL`

port

The port number on which InfluxDB accepts connections.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

publiclyAccessible

Indicates if the DB cluster has a public IP to facilitate access from outside the VPC.

Type: Boolean

readerEndpoint

The endpoint used to connect to the Timestream for InfluxDB cluster for read-only operations.

Type: String

status

The status of the DB cluster.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | AVAILABLE | FAILED | DELETED | MAINTENANCE | UPDATING_INSTANCE_TYPE | REBOOTING | REBOOT_FAILED | PARTIALLY_AVAILABLE`

vpcSecurityGroupIds

A list of VPC security group IDs associated with the DB cluster.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `sg-[a-z0-9]+`

vpcSubnetIds

A list of VPC subnet IDs associated with the DB cluster.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 6 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `subnet-[a-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

InternalServerException

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found or does not exist.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

HTTP Status Code: 400

ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

reason

The reason that validation failed.

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

GetDbInstance

Returns a Timestream for InfluxDB DB instance.

Request Syntax

```
{
   "identifier": "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.

identifier

The id of the DB instance.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

Required: Yes

Response Syntax

```
{
   "allocatedStorage": number,
   "arn": "string",
   "availabilityZone": "string",
   "dbClusterId": "string",
   "dbInstanceType": "string",
   "dbParameterGroupIdentifier": "string",
   "dbStorageType": "string",
   "deploymentType": "string",
   "endpoint": "string",
```

```
    "id": "string",
    "influxAuthParametersSecretArn": "string",
    "instanceMode": "string",
    "instanceModes": [ "string" ],
    "logDeliveryConfiguration": {
       "s3Configuration": {
          "bucketName": "string",
          "enabled": boolean
       }
    },
    "name": "string",
    "networkType": "string",
    "port": number,
    "publiclyAccessible": boolean,
    "secondaryAvailabilityZone": "string",
    "status": "string",
    "vpcSecurityGroupIds": [ "string" ],
    "vpcSubnetIds": [ "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.

allocatedStorage

The amount of storage allocated for your DB storage type (in gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

arn

The Amazon Resource Name (ARN) of the DB instance.

Type: String

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

Pattern: `arn:aws[a-z\-]*:timestream\-influxdb:[a-z0-9\-]+:[0-9]{12}:(db\-instance|db\-cluster|db\-parameter\-group)/[a-zA-Z0-9]{3,64}`

availabilityZone

The Availability Zone in which the DB instance resides.

Type: String

dbClusterId

Specifies the DbCluster to which this DbInstance belongs to.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

dbInstanceType

The Timestream for InfluxDB instance type that InfluxDB runs on.

Type: String

Valid Values: `db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge | db.influx.24xlarge`

dbParameterGroupIdentifier

The id of the DB parameter group assigned to your DB instance.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

dbStorageType

The Timestream for InfluxDB DB storage type that InfluxDB stores data on.

Type: String

Valid Values: `InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3`

deploymentType

Specifies whether the Timestream for InfluxDB is deployed as Single-AZ or with a MultiAZ Standby for High availability.

Type: String

Valid Values: `SINGLE_AZ | WITH_MULTIAZ_STANDBY`

endpoint

The endpoint used to connect to InfluxDB. The default InfluxDB port is 8086.

Type: String

id

A service-generated unique identifier.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

influxAuthParametersSecretArn

The Amazon Resource Name (ARN) of the AWS Secrets Manager secret containing the initial InfluxDB authorization parameters. The secret value is a JSON formatted key-value pair holding InfluxDB authorization values: organization, bucket, username, and password.

Type: String

instanceMode

Specifies the DbInstance's role in the cluster.

Type: String

Valid Values: `PRIMARY | STANDBY | REPLICA | INGEST | QUERY | COMPACT | PROCESS`

instanceModes

Specifies the DbInstance's roles in the cluster.

Type: Array of strings

Valid Values: `PRIMARY | STANDBY | REPLICA | INGEST | QUERY | COMPACT | PROCESS`

logDeliveryConfiguration

Configuration for sending InfluxDB engine logs to send to specified S3 bucket.

Type: LogDeliveryConfiguration object

name

The customer-supplied name that uniquely identifies the DB instance when interacting with the Amazon Timestream for InfluxDB API and CLI commands.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: `[a-zA-Z][a-zA-Z0-9]*(-[a-zA-Z0-9]+)*`

networkType

Specifies whether the networkType of the Timestream for InfluxDB instance is IPV4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: `IPV4 | DUAL`

port

The port number on which InfluxDB accepts connections.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

publiclyAccessible

Indicates if the DB instance has a public IP to facilitate access.

Type: Boolean

secondaryAvailabilityZone

The Availability Zone in which the standby instance is located when deploying with a MultiAZ standby instance.

Type: String

status

The status of the DB instance.

Type: String

Valid Values: `CREATING | AVAILABLE | DELETING | MODIFYING | UPDATING | DELETED | FAILED | UPDATING_DEPLOYMENT_TYPE | UPDATING_INSTANCE_TYPE | MAINTENANCE | REBOOTING | REBOOT_FAILED`

vpcSecurityGroupIds

A list of VPC security group IDs associated with the DB instance.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `sg-[a-z0-9]+`

vpcSubnetIds

A list of VPC subnet IDs associated with the DB instance.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 6 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `subnet-[a-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

InternalServerException

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found or does not exist.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

HTTP Status Code: 400

ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

reason

The reason that validation failed.

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

GetDbParameterGroup

Returns a Timestream for InfluxDB DB parameter group.

Request Syntax

```
{
   "identifier": "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.

identifier

The id of the DB parameter group.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

Required: Yes

Response Syntax

```
{
   "arn": "string",
   "description": "string",
   "id": "string",
   "name": "string",
   "parameters": { ... }
}
```

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 Amazon Resource Name (ARN) of the DB parameter group.

Type: String

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

Pattern: `arn:aws[a-z\-]*:timestream\-influxdb:[a-z0-9\-]+:[0-9]{12}:(db\-instance|db\-cluster|db\-parameter\-group)/[a-zA-Z0-9]{3,64}`

description

A description of the DB parameter group.

Type: String

id

A service-generated unique identifier.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

name

The customer-supplied name that uniquely identifies the DB parameter group when interacting with the Amazon Timestream for InfluxDB API and CLI commands.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: `[a-zA-Z][a-zA-Z0-9]*(-[a-zA-Z0-9]+)*`

parameters

The parameters that comprise the DB parameter group.

Type: Parameters object

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

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

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found or does not exist.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

HTTP Status Code: 400

ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

reason

The reason that validation failed.

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

ListDbClusters

Returns a list of Timestream for InfluxDB DB clusters.

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

The maximum number of items to return in the output. If the total number of items available is more than the value specified, a nextToken is provided in the output. To resume pagination, provide the nextToken value as an argument of a subsequent API invocation.

Type: Integer

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

Required: No

nextToken

The pagination token. To resume pagination, provide the nextToken value as an argument of a subsequent API invocation.

Type: String

Length Constraints: Minimum length of 1.

Required: No

Response Syntax

```
{
   "items": [
      {
         "allocatedStorage": number,
         "arn": "string",
         "dbInstanceType": "string",
         "dbStorageType": "string",
         "deploymentType": "string",
         "endpoint": "string",
         "engineType": "string",
         "id": "string",
         "name": "string",
         "networkType": "string",
         "port": number,
         "readerEndpoint": "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.

items

A list of Timestream for InfluxDB cluster summaries.

Type: Array of DbClusterSummary objects

nextToken

Token from a previous call of the operation. When this value is provided, the service returns results from where the previous response left off.

Type: String

Length Constraints: Minimum length of 1.

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

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found or does not exist.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

HTTP Status Code: 400

ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

reason

The reason that validation failed.

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

ListDbInstances

Returns a list of Timestream for InfluxDB DB instances.

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

The maximum number of items to return in the output. If the total number of items available is more than the value specified, a NextToken is provided in the output. To resume pagination, provide the NextToken value as argument of a subsequent API invocation.

Type: Integer

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

Required: No

nextToken

The pagination token. To resume pagination, provide the NextToken value as argument of a subsequent API invocation.

Type: String

Length Constraints: Minimum length of 1.

Required: No

Response Syntax

```
{
   "items": [
      {
         "allocatedStorage": number,
         "arn": "string",
         "dbInstanceType": "string",
         "dbStorageType": "string",
         "deploymentType": "string",
         "endpoint": "string",
         "id": "string",
         "name": "string",
         "networkType": "string",
         "port": number,
         "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.

items

A list of Timestream for InfluxDB DB instance summaries.

Type: Array of DbInstanceSummary objects

nextToken

Token from a previous call of the operation. When this value is provided, the service returns results from where the previous response left off.

Type: String

Length Constraints: Minimum length of 1.

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

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found or does not exist.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

HTTP Status Code: 400

ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

reason

The reason that validation failed.

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

ListDbInstancesForCluster

Returns a list of Timestream for InfluxDB clusters.

Request Syntax

```
{
   "dbClusterId": "string",
   "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.

dbClusterId

Service-generated unique identifier of the DB cluster.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

Required: Yes

maxResults

The maximum number of items to return in the output. If the total number of items available is more than the value specified, a nextToken is provided in the output. To resume pagination, provide the nextToken value as an argument of a subsequent API invocation.

Type: Integer

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

Required: No

nextToken

The pagination token. To resume pagination, provide the nextToken value as an argument of a subsequent API invocation.

Type: String

Length Constraints: Minimum length of 1.

Required: No

Response Syntax

```
{
   "items": [
      {
         "allocatedStorage": number,
         "arn": "string",
         "dbInstanceType": "string",
         "dbStorageType": "string",
         "deploymentType": "string",
         "endpoint": "string",
         "id": "string",
         "instanceMode": "string",
         "instanceModes": [ "string" ],
         "name": "string",
         "networkType": "string",
         "port": number,
         "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.

items

A list of Timestream for InfluxDB instance summaries belonging to the cluster.

Type: Array of DbInstanceForClusterSummary objects

nextToken

Token from a previous call of the operation. When this value is provided, the service returns results from where the previous response left off.

Type: String

Length Constraints: Minimum length of 1.

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

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found or does not exist.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

HTTP Status Code: 400

ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

reason

The reason that validation failed.

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

ListDbParameterGroups

Returns a list of Timestream for InfluxDB DB parameter groups.

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

The maximum number of items to return in the output. If the total number of items available is more than the value specified, a NextToken is provided in the output. To resume pagination, provide the NextToken value as argument of a subsequent API invocation.

Type: Integer

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

Required: No

nextToken

The pagination token. To resume pagination, provide the NextToken value as argument of a subsequent API invocation.

Type: String

Length Constraints: Minimum length of 1.

Required: No

Response Syntax

```
{
   "items": [
      {
         "arn": "string",
         "description": "string",
         "id": "string",
         "name": "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.

items

A list of Timestream for InfluxDB DB parameter group summaries.

Type: Array of DbParameterGroupSummary objects

nextToken

Token from a previous call of the operation. When this value is provided, the service returns results from where the previous response left off.

Type: String

Length Constraints: Minimum length of 1.

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

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found or does not exist.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

HTTP Status Code: 400

ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

reason

The reason that validation failed.

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

A list of tags applied to the resource.

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

The Amazon Resource Name (ARN) of the tagged resource.

Type: String

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

Pattern: `arn:aws[a-z\-]*:timestream\-influxdb:[a-z0-9\-]+:[0-9]{12}:(db\-instance|db\-cluster|db\-parameter\-group)/[a-zA-Z0-9]{3,64}`

Required: Yes

Response Syntax

```
{
   "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

A list of tags used to categorize and track resources.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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.

ResourceNotFoundException

The requested resource was not found or does not exist.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

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

RebootDbCluster

Reboots a Timestream for InfluxDB cluster.

Request Syntax

```
{
   "dbClusterId": "string",
   "instanceIds": [ "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.

dbClusterId

Service-generated unique identifier of the DB cluster to reboot.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

Required: Yes

instanceIds

A list of service-generated unique DB Instance Ids belonging to the DB Cluster to reboot.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 3 items.

Length Constraints: Minimum length of 3. Maximum length of 64.

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

Required: No

Response Syntax

```
{
   "dbClusterStatus": "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.

dbClusterStatus

The status of the DB Cluster.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | AVAILABLE | FAILED | DELETED | MAINTENANCE | UPDATING_INSTANCE_TYPE | REBOOTING | REBOOT_FAILED | PARTIALLY_AVAILABLE`

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

The request conflicts with an existing resource in Timestream for InfluxDB.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

InternalServerException

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found or does not exist.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

HTTP Status Code: 400

ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

reason

The reason that validation failed.

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

RebootDbInstance

Reboots a Timestream for InfluxDB instance.

Request Syntax

```
{
   "identifier": "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.

identifier

The id of the DB instance to reboot.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

Required: Yes

Response Syntax

```
{
   "allocatedStorage": number,
   "arn": "string",
   "availabilityZone": "string",
   "dbClusterId": "string",
   "dbInstanceType": "string",
   "dbParameterGroupIdentifier": "string",
   "dbStorageType": "string",
   "deploymentType": "string",
   "endpoint": "string",
```

```
    "id": "string",
    "influxAuthParametersSecretArn": "string",
    "instanceMode": "string",
    "instanceModes": [ "string" ],
    "logDeliveryConfiguration": {
       "s3Configuration": {
          "bucketName": "string",
          "enabled": boolean
       }
    },
    "name": "string",
    "networkType": "string",
    "port": number,
    "publiclyAccessible": boolean,
    "secondaryAvailabilityZone": "string",
    "status": "string",
    "vpcSecurityGroupIds": [ "string" ],
    "vpcSubnetIds": [ "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.

allocatedStorage

The amount of storage allocated for your DB storage type (in gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

arn

The Amazon Resource Name (ARN) of the DB instance.

Type: String

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

Pattern: `arn:aws[a-z\-]*:timestream\-influxdb:[a-z0-9\-]+:[0-9]{12}:(db\-instance|db\-cluster|db\-parameter\-group)/[a-zA-Z0-9]{3,64}`

availabilityZone

The Availability Zone in which the DB instance resides.

Type: String

dbClusterId

Specifies the DbCluster to which this DbInstance belongs to.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

dbInstanceType

The Timestream for InfluxDB instance type that InfluxDB runs on.

Type: String

Valid Values: `db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge | db.influx.24xlarge`

dbParameterGroupIdentifier

The id of the DB parameter group assigned to your DB instance.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

dbStorageType

The Timestream for InfluxDB DB storage type that InfluxDB stores data on.

Type: String

Valid Values: `InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3`

deploymentType

Specifies whether the Timestream for InfluxDB is deployed as Single-AZ or with a MultiAZ Standby for High availability.

Type: String

Valid Values: `SINGLE_AZ | WITH_MULTIAZ_STANDBY`

endpoint

The endpoint used to connect to InfluxDB. The default InfluxDB port is 8086.

Type: String

id

A service-generated unique identifier.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

influxAuthParametersSecretArn

The Amazon Resource Name (ARN) of the AWS Secrets Manager secret containing the initial InfluxDB authorization parameters. The secret value is a JSON formatted key-value pair holding InfluxDB authorization values: organization, bucket, username, and password.

Type: String

instanceMode

Specifies the DbInstance's role in the cluster.

Type: String

Valid Values: `PRIMARY | STANDBY | REPLICA | INGEST | QUERY | COMPACT | PROCESS`

instanceModes

Specifies the DbInstance's roles in the cluster.

Type: Array of strings

Valid Values: `PRIMARY | STANDBY | REPLICA | INGEST | QUERY | COMPACT | PROCESS`

logDeliveryConfiguration

Configuration for sending InfluxDB engine logs to send to specified S3 bucket.

Type: LogDeliveryConfiguration object

name

The customer-supplied name that uniquely identifies the DB instance when interacting with the Amazon Timestream for InfluxDB API and CLI commands.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: `[a-zA-Z][a-zA-Z0-9]*(-[a-zA-Z0-9]+)*`

networkType

Specifies whether the networkType of the Timestream for InfluxDB instance is IPV4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: `IPV4 | DUAL`

port

The port number on which InfluxDB accepts connections.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

publiclyAccessible

Indicates if the DB instance has a public IP to facilitate access.

Type: Boolean

secondaryAvailabilityZone

The Availability Zone in which the standby instance is located when deploying with a MultiAZ standby instance.

Type: String

status

The status of the DB instance.

Type: String

Valid Values: `CREATING | AVAILABLE | DELETING | MODIFYING | UPDATING | DELETED | FAILED | UPDATING_DEPLOYMENT_TYPE | UPDATING_INSTANCE_TYPE | MAINTENANCE | REBOOTING | REBOOT_FAILED`

vpcSecurityGroupIds

A list of VPC security group IDs associated with the DB instance.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `sg-[a-z0-9]+`

vpcSubnetIds

A list of VPC subnet IDs associated with the DB instance.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 6 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `subnet-[a-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

The request conflicts with an existing resource in Timestream for InfluxDB.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

InternalServerException

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found or does not exist.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

HTTP Status Code: 400

ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

reason

The reason that validation failed.

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

Tags are composed of a Key/Value pairs. You can use tags to categorize and track your Timestream for InfluxDB resources.

Request Syntax

```
{
   "resourceArn": "string",
   "tags": {
      "string" : "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

The Amazon Resource Name (ARN) of the tagged resource.

Type: String

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

Pattern: `arn:aws[a-z\-]*:timestream\-influxdb:[a-z0-9\-]+:[0-9]{12}:(db\-instance|db\-cluster|db\-parameter\-group)/[a-zA-Z0-9]{3,64}`

Required: Yes

tags

A list of tags used to categorize and track resources.

Type: String to string map

Map Entries: Maximum number of 200 items.

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 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.

ResourceNotFoundException

The requested resource was not found or does not exist.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

ServiceQuotaExceededException

The request exceeds the service quota.

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

UntagResource

Removes the tag from the specified resource.

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

The Amazon Resource Name (ARN) of the tagged resource.

Type: String

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

Pattern: `arn:aws[a-z\-]*:timestream\-influxdb:[a-z0-9\-]+:[0-9]{12}:(db\-instance|db\-cluster|db\-parameter\-group)/[a-zA-Z0-9]{3,64}`

Required: Yes

tagKeys

The keys used to identify the tags.

Type: Array of strings

Array Members: Minimum number of 1 item. 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.

ResourceNotFoundException

The requested resource was not found or does not exist.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

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

UpdateDbCluster

Updates a Timestream for InfluxDB cluster.

Request Syntax

```
{
   "dbClusterId": "string",
   "dbInstanceType": "string",
   "dbParameterGroupIdentifier": "string",
   "failoverMode": "string",
   "logDeliveryConfiguration": {
      "s3Configuration": {
         "bucketName": "string",
         "enabled": boolean
      }
   },
   "port": number
}
```

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.

dbClusterId

Service-generated unique identifier of the DB cluster to update.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

Required: Yes

dbInstanceType

Update the DB cluster to use the specified DB instance Type.

Type: String

Valid Values: `db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge | db.influx.24xlarge`

Required: No

dbParameterGroupIdentifier

Update the DB cluster to use the specified DB parameter group.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

Required: No

failoverMode

Update the DB cluster's failover behavior.

Type: String

Valid Values: `AUTOMATIC | NO_FAILOVER`

Required: No

logDeliveryConfiguration

The log delivery configuration to apply to the DB cluster.

Type: LogDeliveryConfiguration object

Required: No

port

Update the DB cluster to use the specified port.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

Required: No

Response Syntax

```
{
   "dbClusterStatus": "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.

dbClusterStatus

The status of the DB cluster.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | AVAILABLE | FAILED | DELETED | MAINTENANCE | UPDATING_INSTANCE_TYPE | REBOOTING | REBOOT_FAILED | PARTIALLY_AVAILABLE`

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

The request conflicts with an existing resource in Timestream for InfluxDB.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

InternalServerException

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found or does not exist.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

HTTP Status Code: 400

ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

reason

The reason that validation failed.

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

UpdateDbInstance

Updates a Timestream for InfluxDB DB instance.

Request Syntax

```
{
   "allocatedStorage": number,
   "dbInstanceType": "string",
   "dbParameterGroupIdentifier": "string",
   "dbStorageType": "string",
   "deploymentType": "string",
   "identifier": "string",
   "logDeliveryConfiguration": {
      "s3Configuration": {
         "bucketName": "string",
         "enabled": boolean
      }
   },
   "port": number
}
```

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.

allocatedStorage

The amount of storage to allocate for your DB storage type (in gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

Required: No

dbInstanceType

The Timestream for InfluxDB DB instance type to run InfluxDB on.

Type: String

Valid Values: `db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge | db.influx.24xlarge`

Required: No

dbParameterGroupIdentifier

The id of the DB parameter group to assign to your DB instance. DB parameter groups specify how the database is configured. For example, DB parameter groups can specify the limit for query concurrency.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

Required: No

dbStorageType

The Timestream for InfluxDB DB storage type that InfluxDB stores data on.

Type: String

Valid Values: `InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3`

Required: No

deploymentType

Specifies whether the DB instance will be deployed as a standalone instance or with a Multi-AZ standby for high availability.

Type: String

Valid Values: `SINGLE_AZ | WITH_MULTIAZ_STANDBY`

Required: No

identifier

The id of the DB instance.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

Required: Yes

logDeliveryConfiguration

Configuration for sending InfluxDB engine logs to send to specified S3 bucket.

Type: LogDeliveryConfiguration object

Required: No

port

The port number on which InfluxDB accepts connections.

If you change the Port value, your database restarts immediately.

Valid Values: 1024-65535

Default: 8086

Constraints: The value can't be 2375-2376, 7788-7799, 8090, or 51678-51680

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

Required: No

Response Syntax

```
{
   "allocatedStorage": number,
   "arn": "string",
   "availabilityZone": "string",
   "dbClusterId": "string",
   "dbInstanceType": "string",
   "dbParameterGroupIdentifier": "string",
```

```
   "dbStorageType": "string",
   "deploymentType": "string",
   "endpoint": "string",
   "id": "string",
   "influxAuthParametersSecretArn": "string",
   "instanceMode": "string",
   "instanceModes": [ "string" ],
   "logDeliveryConfiguration": {
      "s3Configuration": {
         "bucketName": "string",
         "enabled": boolean
      }
   },
   "name": "string",
   "networkType": "string",
   "port": number,
   "publiclyAccessible": boolean,
   "secondaryAvailabilityZone": "string",
   "status": "string",
   "vpcSecurityGroupIds": [ "string" ],
   "vpcSubnetIds": [ "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.

allocatedStorage

The amount of storage allocated for your DB storage type (in gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

arn

The Amazon Resource Name (ARN) of the DB instance.

Type: String

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

Pattern: `arn:aws[a-z\-]*:timestream\-influxdb:[a-z0-9\-]+:[0-9]{12}:(db\-instance|db\-cluster|db\-parameter\-group)/[a-zA-Z0-9]{3,64}`

availabilityZone

The Availability Zone in which the DB instance resides.

Type: String

dbClusterId

Specifies the DbCluster to which this DbInstance belongs to.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

dbInstanceType

The Timestream for InfluxDB instance type that InfluxDB runs on.

Type: String

Valid Values: `db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge | db.influx.24xlarge`

dbParameterGroupIdentifier

The id of the DB parameter group assigned to your DB instance.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

dbStorageType

The Timestream for InfluxDB DB storage type that InfluxDB stores data on.

Type: String

Valid Values: `InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3`

deploymentType

Specifies whether the Timestream for InfluxDB is deployed as Single-AZ or with a MultiAZ Standby for High availability.

Type: String

Valid Values: `SINGLE_AZ | WITH_MULTIAZ_STANDBY`

endpoint

The endpoint used to connect to InfluxDB. The default InfluxDB port is 8086.

Type: String

id

A service-generated unique identifier.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

influxAuthParametersSecretArn

The Amazon Resource Name (ARN) of the AWS Secrets Manager secret containing the initial InfluxDB authorization parameters. The secret value is a JSON formatted key-value pair holding InfluxDB authorization values: organization, bucket, username, and password.

Type: String

instanceMode

Specifies the DbInstance's role in the cluster.

Type: String

Valid Values: `PRIMARY | STANDBY | REPLICA | INGEST | QUERY | COMPACT | PROCESS`

instanceModes

Specifies the DbInstance's roles in the cluster.

Type: Array of strings

Valid Values: `PRIMARY | STANDBY | REPLICA | INGEST | QUERY | COMPACT | PROCESS`

logDeliveryConfiguration

Configuration for sending InfluxDB engine logs to send to specified S3 bucket.

Type: LogDeliveryConfiguration object

name

This customer-supplied name uniquely identifies the DB instance when interacting with the Amazon Timestream for InfluxDB API and AWS CLI commands.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: `[a-zA-Z][a-zA-Z0-9]*(-[a-zA-Z0-9]+)*`

networkType

Specifies whether the networkType of the Timestream for InfluxDB instance is IPV4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: `IPV4 | DUAL`

port

The port number on which InfluxDB accepts connections.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

publiclyAccessible

Indicates if the DB instance has a public IP to facilitate access.

Type: Boolean

secondaryAvailabilityZone

The Availability Zone in which the standby instance is located when deploying with a MultiAZ standby instance.

Type: String

status

The status of the DB instance.

Type: String

Valid Values: `CREATING | AVAILABLE | DELETING | MODIFYING | UPDATING | DELETED | FAILED | UPDATING_DEPLOYMENT_TYPE | UPDATING_INSTANCE_TYPE | MAINTENANCE | REBOOTING | REBOOT_FAILED`

vpcSecurityGroupIds

A list of VPC security group IDs associated with the DB instance.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `sg-[a-z0-9]+`

vpcSubnetIds

A list of VPC subnet IDs associated with the DB instance.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 6 items.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `subnet-[a-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

The request conflicts with an existing resource in Timestream for InfluxDB.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

InternalServerException

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found or does not exist.

resourceId

The identifier for the Timestream for InfluxDB resource associated with the request.

resourceType

The type of Timestream for InfluxDB resource associated with the request.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

HTTP Status Code: 400

ValidationException

The input fails to satisfy the constraints specified by Timestream for InfluxDB.

reason

The reason that validation failed.

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

Data Types

The Timestream InfluxDB 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:

- DbClusterSummary
- DbInstanceForClusterSummary
- DbInstanceSummary
- DbParameterGroupSummary
- Duration
- InfluxDBv2Parameters
- InfluxDBv3CoreParameters
- InfluxDBv3EnterpriseParameters
- LogDeliveryConfiguration
- Parameters
- PercentOrAbsoluteLong
- S3Configuration

DbClusterSummary

Describes a summary of a Timestream for InfluxDB cluster.

Contents

arn

The Amazon Resource Name (ARN) of the DB cluster.

Type: String

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

Pattern: `arn:aws[a-z\-]*:timestream\-influxdb:[a-z0-9\-]+:[0-9]{12}:(db\-instance|db\-cluster|db\-parameter\-group)/[a-zA-Z0-9]{3,64}`

Required: Yes

id

Service-generated unique identifier of the DB cluster to retrieve.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

Required: Yes

name

Customer supplied name of the Timestream for InfluxDB cluster.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: `[a-zA-z][a-zA-Z0-9]*(-[a-zA-Z0-9]+)*`

Required: Yes

allocatedStorage

The amount of storage allocated for your DB storage type (in gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

Required: No

dbInstanceType

The Timestream for InfluxDB DB instance type that InfluxDB runs on.

Type: String

Valid Values: `db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge | db.influx.24xlarge`

Required: No

dbStorageType

The Timestream for InfluxDB DB storage type that InfluxDB stores data on.

Type: String

Valid Values: `InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3`

Required: No

deploymentType

Deployment type of the DB cluster

Type: String

Valid Values: `MULTI_NODE_READ_REPLICAS`

Required: No

endpoint

The endpoint used to connect to the Timestream for InfluxDB cluster for write and read operations.

Type: String

Required: No

engineType

The engine type of your DB cluster.

Type: String

Valid Values: `INFLUXDB_V2 | INFLUXDB_V3_CORE | INFLUXDB_V3_ENTERPRISE`

Required: No

networkType

Specifies whether the network type of the Timestream for InfluxDB Cluster is IPv4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: `IPV4 | DUAL`

Required: No

port

The port number on which InfluxDB accepts connections.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

Required: No

readerEndpoint

The endpoint used to connect to the Timestream for InfluxDB cluster for read-only operations.

Type: String

Required: No

status

The status of the DB cluster.

Type: String

Valid Values: `CREATING | UPDATING | DELETING | AVAILABLE | FAILED | DELETED | MAINTENANCE | UPDATING_INSTANCE_TYPE | REBOOTING | REBOOT_FAILED | PARTIALLY_AVAILABLE`

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

DbInstanceForClusterSummary

Contains a summary of a DB instance belonging to a DB cluster.

Contents

arn

The Amazon Resource Name (ARN) of the DB instance.

Type: String

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

Pattern: `arn:aws[a-z\-]*:timestream\-influxdb:[a-z0-9\-]+:[0-9]{12}:(db\-instance|db\-cluster|db\-parameter\-group)/[a-zA-Z0-9]{3,64}`

Required: Yes

id

The service-generated unique identifier of the DB instance.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

Required: Yes

name

A service-generated name for the DB instance based on the customer-supplied name for the DB cluster.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: `[a-zA-Z][a-zA-Z0-9]*(-[a-zA-Z0-9]+)*`

Required: Yes

allocatedStorage

The amount of storage allocated for your DB storage type in GiB (gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

Required: No

dbInstanceType

The Timestream for InfluxDB instance type to run InfluxDB on.

Type: String

Valid Values: `db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge | db.influx.24xlarge`

Required: No

dbStorageType

The storage type for your DB instance.

Type: String

Valid Values: `InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3`

Required: No

deploymentType

Specifies the deployment type if applicable.

Type: String

Valid Values: `SINGLE_AZ | WITH_MULTIAZ_STANDBY`

Required: No

endpoint

The endpoint used to connect to InfluxDB. The default InfluxDB port is 8086.

Type: String

Required: No

instanceMode

Specifies the DB instance's role in the cluster.

Type: String

Valid Values: `PRIMARY | STANDBY | REPLICA | INGEST | QUERY | COMPACT | PROCESS`

Required: No

instanceModes

Specifies the DB instance's roles in the cluster.

Type: Array of strings

Valid Values: `PRIMARY | STANDBY | REPLICA | INGEST | QUERY | COMPACT | PROCESS`

Required: No

networkType

Specifies whether the network type of the Timestream for InfluxDB instance is IPv4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: `IPV4 | DUAL`

Required: No

port

The port number on which InfluxDB accepts connections.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

Required: No

status

The status of the DB instance.

Type: String

Valid Values: `CREATING | AVAILABLE | DELETING | MODIFYING | UPDATING | DELETED | FAILED | UPDATING_DEPLOYMENT_TYPE | UPDATING_INSTANCE_TYPE | MAINTENANCE | REBOOTING | REBOOT_FAILED`

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

DbInstanceSummary

Contains a summary of a DB instance.

Contents

arn

The Amazon Resource Name (ARN) of the DB instance.

Type: String

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

Pattern: `arn:aws[a-z\-]*:timestream\-influxdb:[a-z0-9\-]+:[0-9]{12}:(db\-instance|db\-cluster|db\-parameter\-group)/[a-zA-Z0-9]{3,64}`

Required: Yes

id

The service-generated unique identifier of the DB instance.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

Required: Yes

name

This customer-supplied name uniquely identifies the DB instance when interacting with the Amazon Timestream for InfluxDB API and AWS CLI commands.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 40.

Pattern: `[a-zA-Z][a-zA-Z0-9]*(-[a-zA-Z0-9]+)*`

Required: Yes

allocatedStorage

The amount of storage to allocate for your DbStorageType in GiB (gibibytes).

Type: Integer

Valid Range: Minimum value of 20. Maximum value of 15360.

Required: No

dbInstanceType

The Timestream for InfluxDB instance type to run InfluxDB on.

Type: String

Valid Values: `db.influx.medium | db.influx.large | db.influx.xlarge | db.influx.2xlarge | db.influx.4xlarge | db.influx.8xlarge | db.influx.12xlarge | db.influx.16xlarge | db.influx.24xlarge`

Required: No

dbStorageType

The storage type for your DB instance.

Type: String

Valid Values: `InfluxIOIncludedT1 | InfluxIOIncludedT2 | InfluxIOIncludedT3`

Required: No

deploymentType

Single-Instance or with a MultiAZ Standby for High availability.

Type: String

Valid Values: `SINGLE_AZ | WITH_MULTIAZ_STANDBY`

Required: No

endpoint

The endpoint used to connect to InfluxDB. The default InfluxDB port is 8086.

Type: String

Required: No

networkType

Specifies whether the networkType of the Timestream for InfluxDB instance is IPV4, which can communicate over IPv4 protocol only, or DUAL, which can communicate over both IPv4 and IPv6 protocols.

Type: String

Valid Values: `IPV4 | DUAL`

Required: No

port

The port number on which InfluxDB accepts connections.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

Required: No

status

The status of the DB instance.

Type: String

Valid Values: `CREATING | AVAILABLE | DELETING | MODIFYING | UPDATING | DELETED | FAILED | UPDATING_DEPLOYMENT_TYPE | UPDATING_INSTANCE_TYPE | MAINTENANCE | REBOOTING | REBOOT_FAILED`

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

DbParameterGroupSummary

Contains a summary of a DB parameter group.

Contents

arn

The Amazon Resource Name (ARN) of the DB parameter group.

Type: String

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

Pattern: `arn:aws[a-z\-]*:timestream\-influxdb:[a-z0-9\-]+:[0-9]{12}:(db\-instance|db\-cluster|db\-parameter\-group)/[a-zA-Z0-9]{3,64}`

Required: Yes

id

A service-generated unique identifier.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

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

Required: Yes

name

This customer-supplied name uniquely identifies the parameter group.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: `[a-zA-Z][a-zA-Z0-9]*(-[a-zA-Z0-9]+)*`

Required: Yes

description

A description of the DB parameter group.

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

Duration

Duration for InfluxDB parameters in Timestream for InfluxDB.

Contents

durationType

The type of duration for InfluxDB parameters.

Type: String

Valid Values: `hours | minutes | seconds | milliseconds | days`

Required: Yes

value

The value of duration for InfluxDB parameters.

Type: Long

Valid Range: Minimum value of 0.

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

InfluxDBv2Parameters

All the customer-modifiable InfluxDB v2 parameters in Timestream for InfluxDB.

Contents

fluxLogEnabled

Include option to show detailed logs for Flux queries.

Default: false

Type: Boolean

Required: No

httpIdleTimeout

Maximum duration the server should keep established connections alive while waiting for new requests. Set to 0 for no timeout.

Default: 3 minutes

Type: Duration object

Required: No

httpReadHeaderTimeout

Maximum duration the server should try to read HTTP headers for new requests. Set to 0 for no timeout.

Default: 10 seconds

Type: Duration object

Required: No

httpReadTimeout

Maximum duration the server should try to read the entirety of new requests. Set to 0 for no timeout.

Default: 0

Type: Duration object

Required: No

httpWriteTimeout

Maximum duration the server should spend processing and responding to write requests. Set to 0 for no timeout.

Default: 0

Type: Duration object

Required: No

influxqlMaxSelectBuckets

Maximum number of group by time buckets a SELECT statement can create. 0 allows an unlimited number of buckets.

Default: 0

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

influxqlMaxSelectPoint

Maximum number of points a SELECT statement can process. 0 allows an unlimited number of points. InfluxDB checks the point count every second (so queries exceeding the maximum aren't immediately aborted).

Default: 0

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

influxqlMaxSelectSeries

Maximum number of series a SELECT statement can return. 0 allows an unlimited number of series.

Default: 0

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

logLevel

Log output level. InfluxDB outputs log entries with severity levels greater than or equal to the level specified.

Default: info

Type: String

Valid Values: `debug | info | error`

Required: No

metricsDisabled

Disable the HTTP /metrics endpoint which exposes internal InfluxDB metrics.

Default: false

Type: Boolean

Required: No

noTasks

Disable the task scheduler. If problematic tasks prevent InfluxDB from starting, use this option to start InfluxDB without scheduling or executing tasks.

Default: false

Type: Boolean

Required: No

pprofDisabled

Disable the /debug/pprof HTTP endpoint. This endpoint provides runtime profiling data and can be helpful when debugging.

Default: true

Type: Boolean

Required: No

queryConcurrency

Number of queries allowed to execute concurrently. Setting to 0 allows an unlimited number of concurrent queries.

Default: 0

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 256.

Required: No

queryInitialMemoryBytes

Initial bytes of memory allocated for a query.

Default: 0

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

queryMaxMemoryBytes

Maximum number of queries allowed in execution queue. When queue limit is reached, new queries are rejected. Setting to 0 allows an unlimited number of queries in the queue.

Default: 0

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

queryMemoryBytes

Maximum bytes of memory allowed for a single query. Must be greater or equal to queryInitialMemoryBytes.

Default: 0

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

queryQueueSize

Maximum number of queries allowed in execution queue. When queue limit is reached, new queries are rejected. Setting to 0 allows an unlimited number of queries in the queue.

Default: 0

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 256.

Required: No

sessionLength

Specifies the Time to Live (TTL) in minutes for newly created user sessions.

Default: 60

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 2880.

Required: No

sessionRenewDisabled

Disables automatically extending a user's session TTL on each request. By default, every request sets the session's expiration time to five minutes from now. When disabled, sessions expire after the specified session length and the user is redirected to the login page, even if recently active.

Default: false

Type: Boolean

Required: No

storageCacheMaxMemorySize

Maximum size (in bytes) a shard's cache can reach before it starts rejecting writes. Must be greater than storageCacheSnapShotMemorySize and lower than instance's total memory capacity. We recommend setting it to below 15% of the total memory capacity.

Default: 1073741824

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

storageCacheSnapshotMemorySize

Size (in bytes) at which the storage engine will snapshot the cache and write it to a TSM file to make more memory available. Must not be greater than storageCacheMaxMemorySize.

Default: 26214400

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

storageCacheSnapshotWriteColdDuration

Duration at which the storage engine will snapshot the cache and write it to a new TSM file if the shard hasn't received writes or deletes.

Default: 10 minutes

Type: Duration object

Required: No

storageCompactFullWriteColdDuration

Duration at which the storage engine will compact all TSM files in a shard if it hasn't received writes or deletes.

Default: 4 hours

Type: Duration object

Required: No

storageCompactThroughputBurst

Rate limit (in bytes per second) that TSM compactions can write to disk.

Default: 50331648

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

storageMaxConcurrentCompactions

Maximum number of full and level compactions that can run concurrently. A value of 0 results in 50% of runtime.GOMAXPROCS(0) used at runtime. Any number greater than zero limits compactions to that value. This setting does not apply to cache snapshotting.

Default: 0

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 64.

Required: No

storageMaxIndexLogFileSize

Size (in bytes) at which an index write-ahead log (WAL) file will compact into an index file. Lower sizes will cause log files to be compacted more quickly and result in lower heap usage at the expense of write throughput.

Default: 1048576

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

storageNoValidateFieldSize

Skip field size validation on incoming write requests.

Default: false

Type: Boolean

Required: No

storageRetentionCheckInterval

Interval of retention policy enforcement checks. Must be greater than 0.

Default: 30 minutes

Type: Duration object

Required: No

storageSeriesFileMaxConcurrentSnapshotCompactions

Maximum number of snapshot compactions that can run concurrently across all series partitions in a database.

Default: 0

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 64.

Required: No

storageSeriesIdSetCacheSize

Size of the internal cache used in the TSI index to store previously calculated series results. Cached results are returned quickly rather than needing to be recalculated when a subsequent query with the same tag key/value predicate is executed. Setting this value to 0 will disable the cache and may decrease query performance.

Default: 100

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000000000000.

Required: No

storageWalMaxConcurrentWrites

Maximum number writes to the WAL directory to attempt at the same time. Setting this value to 0 results in number of processing units available x2.

Default: 0

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 256.

Required: No

storageWalMaxWriteDelay

Maximum amount of time a write request to the WAL directory will wait when the maximum number of concurrent active writes to the WAL directory has been met. Set to 0 to disable the timeout.

Default: 10 minutes

Type: Duration object

Required: No

tracingType

Enable tracing in InfluxDB and specifies the tracing type. Tracing is disabled by default.

Type: String

Valid Values: `log | jaeger | disabled`

Required: No

uiDisabled

Disable the InfluxDB user interface (UI). The UI is enabled by default.

Default: false

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

InfluxDBv3CoreParameters

All the customer-modifiable InfluxDB v3 Core parameters in Timestream for InfluxDB.

Contents

dataFusionConfig

Provides custom configuration to DataFusion as a comma-separated list of key:value pairs.

Type: String

Pattern: `[a-zA-Z0-9_]+=[^,\s]+(?:,[a-zA-Z0-9_]+=[^,\s]+)*`

Required: No

dataFusionMaxParquetFanout

When multiple parquet files are required in a sorted way (deduplication for example), specifies the maximum fanout.

Default: 1000

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000000.

Required: No

dataFusionNumThreads

Sets the maximum number of DataFusion runtime threads to use.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 2048.

Required: No

dataFusionRuntimeDisableLifoSlot

Disables the LIFO slot of the DataFusion runtime.

Type: Boolean

Required: No

dataFusionRuntimeEventInterval

Sets the number of scheduler ticks after which the scheduler of the DataFusion tokio runtime polls for external events–for example: timers, I/O.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 128.

Required: No

dataFusionRuntimeGlobalQueueInterval

Sets the number of scheduler ticks after which the scheduler of the DataFusion runtime polls the global task queue.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 128.

Required: No

dataFusionRuntimeMaxBlockingThreads

Specifies the limit for additional threads spawned by the DataFusion runtime.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1024.

Required: No

dataFusionRuntimeMaxIoEventsPerTick

Configures the maximum number of events processed per tick by the tokio DataFusion runtime.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 4096.

Required: No

dataFusionRuntimeThreadKeepAlive

Sets a custom timeout for a thread in the blocking pool of the tokio DataFusion runtime.

Type: Duration object

Required: No

dataFusionRuntimeThreadPriority

Sets the thread priority for tokio DataFusion runtime workers.

Default: 10

Type: Integer

Valid Range: Minimum value of -20. Maximum value of 19.

Required: No

dataFusionRuntimeType

Specifies the DataFusion tokio runtime type.

Default: multi-thread

Type: String

Valid Values: `multi-thread | multi-thread-alt`

Required: No

dataFusionUseCachedParquetLoader

Uses a cached parquet loader when reading parquet files from the object store.

Type: Boolean

Required: No

deleteGracePeriod

Specifies the grace period before permanently deleting data.

Default: 24h

Type: Duration object

Required: No

disableParquetMemCache

Disables the in-memory Parquet cache. By default, the cache is enabled.

Type: Boolean

Required: No

distinctCacheEvictionInterval

Specifies the interval to evict expired entries from the distinct value cache, expressed as a human-readable duration–for example: 20s, 1m, 1h.

Default: 10s

Type: Duration object

Required: No

execMemPoolBytes

Specifies the size of memory pool used during query execution. Can be given as absolute value in bytes or as a percentage of the total available memory–for example: 8000000000 or 10%.

Default: 20%

Type: PercentOrAbsoluteLong object

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

Required: No

forceSnapshotMemThreshold

Specifies the threshold for the internal memory buffer. Supports either a percentage (portion of available memory) or absolute value in MB–for example: 70% or 100

Default: 70%

Type: PercentOrAbsoluteLong object

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

Required: No

gen1Duration

Specifies the duration that Parquet files are arranged into. Data timestamps land each row into a file of this duration. Supported durations are 1m, 5m, and 10m. These files are known

as “generation 1” files that the compactor in InfluxDB 3 Enterprise can merge into larger generations.

Default: 10m

Type: Duration object

Required: No

gen1LookbackDuration

Specifies how far back to look when creating generation 1 Parquet files.

Default: 24h

Type: Duration object

Required: No

hardDeleteDefaultDuration

Sets the default duration for hard deletion of data.

Default: 90d

Type: Duration object

Required: No

lastCacheEvictionInterval

Specifies the interval to evict expired entries from the Last-N-Value cache, expressed as a human-readable duration–for example: 20s, 1m, 1h.

Default: 10s

Type: Duration object

Required: No

logFilter

Sets the filter directive for logs.

Type: String

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

Required: No

logFormat

Defines the message format for logs.

Default: full

Type: String

Valid Values: `full`

Required: No

maxHttpRequestSize

Specifies the maximum size of HTTP requests.

Default: 10485760

Type: Long

Valid Range: Minimum value of 1024. Maximum value of 16777216.

Required: No

parquetMemCachePruneInterval

Sets the interval to check if the in-memory Parquet cache needs to be pruned.

Default: 1s

Type: Duration object

Required: No

parquetMemCachePrunePercentage

Specifies the percentage of entries to prune during a prune operation on the in-memory Parquet cache.

Default: 0.1

Type: Float

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

Required: No

parquetMemCacheQueryPathDuration

Specifies the time window for caching recent Parquet files in memory.

Default: 5h

Type: Duration object

Required: No

parquetMemCacheSize

Specifies the size of the in-memory Parquet cache in megabytes or percentage of total available memory.

Default: 20%

Type: PercentOrAbsoluteLong object

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

Required: No

preemptiveCacheAge

Specifies the interval to prefetch into the Parquet cache during compaction.

Default: 3d

Type: Duration object

Required: No

queryFileLimit

Limits the number of Parquet files a query can access. If a query attempts to read more than this limit, InfluxDB 3 returns an error.

Default: 432

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1024.

Required: No

queryLogSize

Defines the size of the query log. Up to this many queries remain in the log before older queries are evicted to make room for new ones.

Default: 1000

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 10000.

Required: No

retentionCheckInterval

The interval at which retention policies are checked and enforced. Enter as a human-readable time–for example: 30m or 1h.

Default: 30m

Type: Duration object

Required: No

snapshottedWalFilesToKeep

Specifies the number of snapshotted WAL files to retain in the object store. Flushing the WAL files does not clear the WAL files immediately; they are deleted when the number of snapshotted WAL files exceeds this number.

Default: 300

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10000.

Required: No

tableIndexCacheConcurrencyLimit

Limits the concurrency level for table index cache operations.

Default: 8

Type: Integer

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

Required: No

tableIndexCacheMaxEntries

Specifies the maximum number of entries in the table index cache.

Default: 1000

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

walMaxWriteBufferSize

Specifies the maximum number of write requests that can be buffered before a flush must be executed and succeed.

Default: 100000

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000000.

Required: No

walReplayConcurrencyLimit

Concurrency limit during WAL replay. Setting this number too high can lead to OOM. The default is dynamically determined.

Default: max(num_cpus, 10)

Type: Integer

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

Required: No

walReplayFailOnError

Determines whether WAL replay should fail when encountering errors.

Default: false

Type: Boolean

Required: No

walSnapshotSize

Defines the number of WAL files to attempt to remove in a snapshot. This, multiplied by the interval, determines how often snapshots are taken.

Default: 600

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 10000.

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

InfluxDBv3EnterpriseParameters

All the customer-modifiable InfluxDB v3 Enterprise parameters in Timestream for InfluxDB.

Contents

dedicatedCompactor

Specifies if the compactor instance should be a standalone instance or not.

Type: Boolean

Required: Yes

ingestQueryInstances

Specifies number of instances in the DbCluster which can both ingest and query.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 4.

Required: Yes

queryOnlyInstances

Specifies number of instances in the DbCluster which can only query.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10.

Required: Yes

catalogSyncInterval

Defines how often the catalog synchronizes across cluster nodes.

Default: 10s

Type: Duration object

Required: No

compactionCheckInterval

Specifies how often the compactor checks for new compaction work to perform.

Default: 10s

Type: Duration object

Required: No

compactionCleanupWait

Specifies the amount of time that the compactor waits after finishing a compaction run to delete files marked as needing deletion during that compaction run.

Default: 10m

Type: Duration object

Required: No

compactionGen2Duration

Specifies the duration of the first level of compaction (gen2). Later levels of compaction are multiples of this duration. This value should be equal to or greater than the gen1 duration.

Default: 20m

Type: Duration object

Required: No

compactionMaxNumFilesPerPlan

Sets the maximum number of files included in any compaction plan.

Default: 500

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 10000.

Required: No

compactionMultipliers

Specifies a comma-separated list of multiples defining the duration of each level of compaction. The number of elements in the list determines the number of compaction levels. The first element specifies the duration of the first level (gen3); subsequent levels are multiples of the previous level.

Default: 3,4,6,5

Type: String

Length Constraints: Minimum length of 7. Maximum length of 16.

Pattern: `\d+,\d+,\d+,\d+`

Required: No

compactionRowLimit

Specifies the soft limit for the number of rows per file that the compactor writes. The compactor may write more rows than this limit.

Default: 1000000

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100000000.

Required: No

dataFusionConfig

Provides custom configuration to DataFusion as a comma-separated list of key:value pairs.

Type: String

Pattern: `[a-zA-Z0-9_]+=[^,\s]+(?:,[a-zA-Z0-9_]+=[^,\s]+)*`

Required: No

dataFusionMaxParquetFanout

When multiple parquet files are required in a sorted way (deduplication for example), specifies the maximum fanout.

Default: 1000

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000000.

Required: No

dataFusionNumThreads

Sets the maximum number of DataFusion runtime threads to use.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 2048.

Required: No

dataFusionRuntimeDisableLifoSlot

Disables the LIFO slot of the DataFusion runtime.

Type: Boolean

Required: No

dataFusionRuntimeEventInterval

Sets the number of scheduler ticks after which the scheduler of the DataFusion tokio runtime polls for external events–for example: timers, I/O.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 128.

Required: No

dataFusionRuntimeGlobalQueueInterval

Sets the number of scheduler ticks after which the scheduler of the DataFusion runtime polls the global task queue.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 128.

Required: No

dataFusionRuntimeMaxBlockingThreads

Specifies the limit for additional threads spawned by the DataFusion runtime.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1024.

Required: No

dataFusionRuntimeMaxIoEventsPerTick

Configures the maximum number of events processed per tick by the tokio DataFusion runtime.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 4096.

Required: No

dataFusionRuntimeThreadKeepAlive

Sets a custom timeout for a thread in the blocking pool of the tokio DataFusion runtime.

Type: Duration object

Required: No

dataFusionRuntimeThreadPriority

Sets the thread priority for tokio DataFusion runtime workers.

Default: 10

Type: Integer

Valid Range: Minimum value of -20. Maximum value of 19.

Required: No

dataFusionRuntimeType

Specifies the DataFusion tokio runtime type.

Default: multi-thread

Type: String

Valid Values: `multi-thread | multi-thread-alt`

Required: No

dataFusionUseCachedParquetLoader

Uses a cached parquet loader when reading parquet files from the object store.

Type: Boolean

Required: No

deleteGracePeriod

Specifies the grace period before permanently deleting data.

Default: 24h

Type: Duration object

Required: No

disableParquetMemCache

Disables the in-memory Parquet cache. By default, the cache is enabled.

Type: Boolean

Required: No

distinctCacheEvictionInterval

Specifies the interval to evict expired entries from the distinct value cache, expressed as a human-readable duration–for example: 20s, 1m, 1h.

Default: 10s

Type: Duration object

Required: No

distinctValueCacheDisableFromHistory

Disables populating the distinct value cache from historical data. If disabled, the cache is still populated with data from the write-ahead log (WAL).

Type: Boolean

Required: No

execMemPoolBytes

Specifies the size of memory pool used during query execution. Can be given as absolute value in bytes or as a percentage of the total available memory–for example: 8000000000 or 10%.

Default: 20%

Type: PercentOrAbsoluteLong object

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

Required: No

forceSnapshotMemThreshold

Specifies the threshold for the internal memory buffer. Supports either a percentage (portion of available memory) or absolute value in MB–for example: 70% or 100

Default: 70%

Type: PercentOrAbsoluteLong object

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

Required: No

gen1Duration

Specifies the duration that Parquet files are arranged into. Data timestamps land each row into a file of this duration. Supported durations are 1m, 5m, and 10m. These files are known as “generation 1” files, which the compactor can merge into larger generations.

Default: 10m

Type: Duration object

Required: No

gen1LookbackDuration

Specifies how far back to look when creating generation 1 Parquet files.

Default: 24h

Type: Duration object

Required: No

hardDeleteDefaultDuration

Sets the default duration for hard deletion of data.

Default: 90d

Type: Duration object

Required: No

lastCacheEvictionInterval

Specifies the interval to evict expired entries from the Last-N-Value cache, expressed as a human-readable duration–for example: 20s, 1m, 1h.

Default: 10s

Type: Duration object

Required: No

lastValueCacheDisableFromHistory

Disables populating the last-N-value cache from historical data. If disabled, the cache is still populated with data from the write-ahead log (WAL).

Type: Boolean

Required: No

logFilter

Sets the filter directive for logs.

Type: String

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

Required: No

logFormat

Defines the message format for logs.

Default: full

Type: String

Valid Values: `full`

Required: No

maxHttpRequestSize

Specifies the maximum size of HTTP requests.

Default: 10485760

Type: Long

Valid Range: Minimum value of 1024. Maximum value of 16777216.

Required: No

parquetMemCachePruneInterval

Sets the interval to check if the in-memory Parquet cache needs to be pruned.

Default: 1s

Type: Duration object

Required: No

parquetMemCachePrunePercentage

Specifies the percentage of entries to prune during a prune operation on the in-memory Parquet cache.

Default: 0.1

Type: Float

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

Required: No

parquetMemCacheQueryPathDuration

Specifies the time window for caching recent Parquet files in memory.

Default: 5h

Type: Duration object

Required: No

parquetMemCacheSize

Specifies the size of the in-memory Parquet cache in megabytes or percentage of total available memory.

Default: 20%

Type: PercentOrAbsoluteLong object

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

Required: No

preemptiveCacheAge

Specifies the interval to prefetch into the Parquet cache during compaction.

Default: 3d

Type: Duration object

Required: No

queryFileLimit

Limits the number of Parquet files a query can access. If a query attempts to read more than this limit, InfluxDB 3 returns an error.

Default: 432

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1024.

Required: No

queryLogSize

Defines the size of the query log. Up to this many queries remain in the log before older queries are evicted to make room for new ones.

Default: 1000

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 10000.

Required: No

replicationInterval

Specifies the interval at which data replication occurs between cluster nodes.

Default: 250ms

Type: Duration object

Required: No

retentionCheckInterval

The interval at which retention policies are checked and enforced. Enter as a human-readable time–for example: 30m or 1h.

Default: 30m

Type: Duration object

Required: No

snapshottedWalFilesToKeep

Specifies the number of snapshotted WAL files to retain in the object store. Flushing the WAL files does not clear the WAL files immediately; they are deleted when the number of snapshotted WAL files exceeds this number.

Default: 300

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10000.

Required: No

tableIndexCacheConcurrencyLimit

Limits the concurrency level for table index cache operations.

Default: 8

Type: Integer

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

Required: No

tableIndexCacheMaxEntries

Specifies the maximum number of entries in the table index cache.

Default: 1000

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

walMaxWriteBufferSize

Specifies the maximum number of write requests that can be buffered before a flush must be executed and succeed.

Default: 100000

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000000.

Required: No

walReplayConcurrencyLimit

Concurrency limit during WAL replay. Setting this number too high can lead to OOM. The default is dynamically determined.

Default: max(num_cpus, 10)

Type: Integer

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

Required: No

walReplayFailOnError

Determines whether WAL replay should fail when encountering errors.

Default: false

Type: Boolean

Required: No

walSnapshotSize

Defines the number of WAL files to attempt to remove in a snapshot. This, multiplied by the interval, determines how often snapshots are taken.

Default: 600

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 10000.

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

LogDeliveryConfiguration

Configuration for sending InfluxDB engine logs to send to specified S3 bucket.

Contents

s3Configuration

Configuration for S3 bucket log delivery.

Type: S3Configuration 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

Parameters

The parameters that comprise the parameter group.

Contents

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

InfluxDBv2

All the customer-modifiable InfluxDB v2 parameters in Timestream for InfluxDB.

Type: InfluxDBv2Parameters object

Required: No

InfluxDBv3Core

All the customer-modifiable InfluxDB v3 Core parameters in Timestream for InfluxDB.

Type: InfluxDBv3CoreParameters object

Required: No

InfluxDBv3Enterprise

All the customer-modifiable InfluxDB v3 Enterprise parameters in Timestream for InfluxDB.

Type: InfluxDBv3EnterpriseParameters 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

PercentOrAbsoluteLong

Percent or Absolute Long for InfluxDB parameters

Contents

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

absolute

Absolute long for InfluxDB parameters.

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1610612736000.

Required: No

percent

Percent for InfluxDB parameters.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 4.

Pattern: `(?:100|[1-9]?[0-9])%`

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

S3Configuration

Configuration for S3 bucket log delivery.

Contents

bucketName

The name of the S3 bucket to deliver logs to.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `[0-9a-z]+[0-9a-z\.\-]*[0-9a-z]+`

Required: Yes

enabled

Indicates whether log delivery to the S3 bucket is enabled.

Type: Boolean

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

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