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 July 2, 2024.

Actions

The following actions are supported:

- [CreateDbInstance](#)
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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",
    "organization": "string",
    "password": "string",
    "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 16384.

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`

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

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 SecretManager in your account.

Type: String

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

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

Required: Yes

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 3 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",
    "dbInstanceType": "string",
    "dbParameterGroupIdentifier": "string",
    "dbStorageType": "string",
    "deploymentType": "string",
    "endpoint": "string",
    "id": "string",
    "influxAuthParametersSecretArn": "string",
    "logDeliveryConfiguration": {
        "s3Configuration": {
            "bucketName": "string",
            "enabled": boolean
        }
    },
    "name": "string",
    "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 16384.

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\-parameter\-group)/[a-zA-Z0-9]{3,64}$`

availabilityZone

The Availability Zone in which the DB instance resides.

Type: String

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`

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

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]+)*$`

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`

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 3 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 Errors](#).

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.

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.

HTTP Status Code: 400

ServiceQuotaExceededException

The request exceeds the service quota.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [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\-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 Errors.

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.

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.

HTTP Status Code: 400

ServiceQuotaExceededException

The request exceeds the service quota.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

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

HTTP Status Code: 400

See Also

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

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- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [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",
    "dbInstanceType": "string",
    "dbParameterGroupIdentifier": "string",
    "dbStorageType": "string",
    "deploymentType": "string",
    "endpoint": "string",
    "id": "string",
    "influxAuthParametersSecretArn": "string",
```

```
      "logDeliveryConfiguration": {
        "s3Configuration": {
          "bucketName": "string",
          "enabled": boolean
        }
      },
      "name": "string",
      "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 16384.

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\-parameter\-group)/[a-zA-Z0-9]{3,64}$

availabilityZone

The Availability Zone in which the DB instance resides.

Type: String

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`

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

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]+)*$`

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

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 3 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 Errors.

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.

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.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [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",
   "dbInstanceType": "string",
   "dbParameterGroupIdentifier": "string",
   "dbStorageType": "string",
   "deploymentType": "string",
   "endpoint": "string",
   "id": "string",
   "influxAuthParametersSecretArn": "string",
```

```
      "logDeliveryConfiguration": {
        "s3Configuration": {
          "bucketName": "string",
          "enabled": boolean
        }
      },
      "name": "string",
      "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 16384.

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\-parameter\-group)/[a-zA-Z0-9]{3,64}$

availabilityZone

The Availability Zone in which the DB instance resides.

Type: String

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`

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

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]+)*$`

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

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 3 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 Errors.

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.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

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

HTTP Status Code: 400

See Also

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

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- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [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\-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 Errors.

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.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

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

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
- AWS SDK for .NET

- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [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

Required: No

Response Syntax

```
{
```

```
        "items": [
          {
              "allocatedStorage": number,
              "arn": "string",
              "dbInstanceType": "string",
              "dbStorageType": "string",
              "deploymentType": "string",
              "endpoint": "string",
              "id": "string",
              "name": "string",
              "status": "string"
          }
        ],
        "nextToken": "string"
}
```

Response Elements

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

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

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

Errors

For information about the errors that are common to all actions, see Common Errors.

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.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [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

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

Errors

For information about the errors that are common to all actions, see Common Errors.

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.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [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\-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 Errors.

ResourceNotFoundException

The requested resource was not found or does not exist.

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- 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\-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 Errors](#).

ResourceNotFoundException

The requested resource was not found or does not exist.

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [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\-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 Errors.

ResourceNotFoundException

The requested resource was not found or does not exist.

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateDbInstance

Updates a Timestream for InfluxDB DB instance.

Request Syntax

```
{
    "dbParameterGroupIdentifier": "string",
    "identifier": "string",
    "logDeliveryConfiguration": {
        "s3Configuration": {
            "bucketName": "string",
            "enabled": boolean
        }
    }
}
```

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.

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

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

Response Syntax

```
{
   "allocatedStorage": number,
   "arn": "string",
   "availabilityZone": "string",
   "dbInstanceType": "string",
   "dbParameterGroupIdentifier": "string",
   "dbStorageType": "string",
   "deploymentType": "string",
   "endpoint": "string",
   "id": "string",
   "influxAuthParametersSecretArn": "string",
   "logDeliveryConfiguration": {
      "s3Configuration": {
         "bucketName": "string",
         "enabled": boolean
      }
   },
   "name": "string",
   "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 16384.

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\-parameter\-group)/[a-zA-Z0-9]{3,64}$`

availabilityZone

The Availability Zone in which the DB instance resides.

Type: String

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`

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

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]+)*$`

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`

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 3 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 Errors](#).

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.

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.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

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

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- 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:

- DbInstanceSummary
- DbParameterGroupSummary
- InfluxDBv2Parameters
- LogDeliveryConfiguration
- Parameters
- S3Configuration

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\-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 16384.

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`

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

status

The status of the DB instance.

Type: String

Valid Values: `CREATING | AVAILABLE | DELETING | MODIFYING | UPDATING | DELETED | 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\-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](#)

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

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

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

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

tracingType

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

Type: String

Valid Values: `log | jaeger`

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

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*.

Action

The action to be performed.

Type: string

Required: Yes

Version

The API version that the request is written for, expressed in the format YYYY-MM-DD.

Type: string

Required: Yes

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 Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 400

InternalFailure

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

HTTP Status Code: 500

InvalidAction

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 400

InvalidClientTokenId

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 400

OptInRequired

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

RequestExpired

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

ServiceUnavailable

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationError

The input fails to satisfy the constraints specified by an AWS service.

HTTP Status Code: 400