



API Reference

Oracle Database@AWS



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Oracle Database@AWS: API Reference

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Welcome

Oracle Database@AWS is an offering that enables you to access Oracle Exadata infrastructure managed by Oracle Cloud Infrastructure (OCI) inside AWS data centers. You can migrate your Oracle Exadata workloads, establish low-latency connectivity with applications running on AWS, and integrate with AWS services. For example, you can run application servers in a Virtual Private Cloud (VPC) and access an Oracle Exadata system running in Oracle Database@AWS. You can get started with Oracle Database@AWS by using the familiar AWS Management Console, APIs, or AWS CLI.

This interface reference for Oracle Database@AWS contains documentation for a programming or command line interface that you can use to manage Oracle Database@AWS. Oracle Database@AWS is asynchronous, which means that some interfaces might require techniques such as polling or callback functions to determine when a command has been applied. The reference structure is as follows.

Oracle Database@AWS API Reference

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

This document was last published on July 21, 2025.

Actions

The following actions are supported:

- [AcceptMarketplaceRegistration](#)
- [CreateCloudAutonomousVmCluster](#)
- [CreateCloudExadataInfrastructure](#)
- [CreateCloudVmCluster](#)
- [CreateOdbNetwork](#)
- [CreateOdbPeeringConnection](#)
- [DeleteCloudAutonomousVmCluster](#)
- [DeleteCloudExadataInfrastructure](#)
- [DeleteCloudVmCluster](#)
- [DeleteOdbNetwork](#)
- [DeleteOdbPeeringConnection](#)
- [GetCloudAutonomousVmCluster](#)
- [GetCloudExadataInfrastructure](#)
- [GetCloudExadataInfrastructureUnallocatedResources](#)
- [GetCloudVmCluster](#)
- [GetDbNode](#)
- [GetDbServer](#)
- [GetOciOnboardingStatus](#)
- [GetOdbNetwork](#)
- [GetOdbPeeringConnection](#)
- [InitializeService](#)
- [ListAutonomousVirtualMachines](#)
- [ListCloudAutonomousVmClusters](#)
- [ListCloudExadataInfrastructures](#)
- [ListCloudVmClusters](#)
- [ListDbNodes](#)
- [ListDbServers](#)

- [ListDbSystemShapes](#)
- [ListGiVersions](#)
- [ListOdbNetworks](#)
- [ListOdbPeeringConnections](#)
- [ListSystemVersions](#)
- [ListTagsForResource](#)
- [RebootDbNode](#)
- [StartDbNode](#)
- [StopDbNode](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateCloudExadataInfrastructure](#)
- [UpdateOdbNetwork](#)

AcceptMarketplaceRegistration

Registers the AWS Marketplace token for your AWS account to activate your Oracle Database@AWS subscription.

Request Syntax

```
{  
  "marketplaceRegistrationToken": "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.

marketplaceRegistrationToken

The registration token that's generated by AWS Marketplace and sent to Oracle Database@AWS.

Type: String

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](#).

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with the current status of your resource. Fix any inconsistencies with your resource and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

- [AWS SDK for Ruby V3](#)

CreateCloudAutonomousVmCluster

Creates a new Autonomous VM cluster in the specified Exadata infrastructure.

Request Syntax

```
{
  "autonomousDataStorageSizeInTBs": number,
  "clientToken": "string",
  "cloudExadataInfrastructureId": "string",
  "cpuCoreCountPerNode": number,
  "dbServers": [ "string" ],
  "description": "string",
  "displayName": "string",
  "isMtlsEnabledVmCluster": boolean,
  "licenseModel": "string",
  "maintenanceWindow": {
    "customActionTimeoutInMins": number,
    "daysOfWeek": [
      {
        "name": "string"
      }
    ],
    "hoursOfDay": [ number ],
    "isCustomActionTimeoutEnabled": boolean,
    "leadTimeInWeeks": number,
    "months": [
      {
        "name": "string"
      }
    ],
    "patchingMode": "string",
    "preference": "string",
    "skipRu": boolean,
    "weeksOfMonth": [ number ]
  },
  "memoryPerOracleComputeUnitInGBs": number,
  "odbNetworkId": "string",
  "scanListenerPortNonTls": number,
  "scanListenerPortTls": number,
  "tags": {
    "string" : "string"
  },
}
```

```
"timeZone": "string",  
"totalContainerDatabases": 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.

[autonomousDataStorageSizeInTBs](#)

The data disk group size to be allocated for Autonomous Databases, in terabytes (TB).

Type: Double

Valid Range: Minimum value of 0.

Required: Yes

[clientToken](#)

A client-provided token to ensure idempotency of the request.

Type: String

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

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

Required: No

[cloudExadataInfrastructureId](#)

The unique identifier of the Exadata infrastructure where the VM cluster will be created.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: Yes

cpuCoreCountPerNode

The number of CPU cores to be enabled per VM cluster node.

Type: Integer

Valid Range: Minimum value of 0.

Required: Yes

dbServers

The list of database servers to be used for the Autonomous VM cluster.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

description

A user-provided description of the Autonomous VM cluster.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 400.

Required: No

displayName

The display name for the Autonomous VM cluster. The name does not need to be unique.

Type: String

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

Pattern: [a-zA-Z_](?!.*--)[a-zA-Z0-9_-]*

Required: Yes

isMtlsEnabledVmCluster

Specifies whether to enable mutual TLS (mTLS) authentication for the Autonomous VM cluster.

Type: Boolean

Required: No

licenseModel

The Oracle license model to apply to the Autonomous VM cluster.

Type: String

Valid Values: BRING_YOUR_OWN_LICENSE | LICENSE_INCLUDED

Required: No

maintenanceWindow

The scheduling details for the maintenance window. Patching and system updates take place during the maintenance window.

Type: [MaintenanceWindow](#) object

Required: No

memoryPerOracleComputeUnitInGBs

The amount of memory to be allocated per OCPU, in GB.

Type: Integer

Valid Range: Minimum value of 0.

Required: Yes

odbNetworkId

The unique identifier of the ODB network to be used for the VM cluster.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: Yes

scanListenerPortNonTls

The SCAN listener port for non-TLS (TCP) protocol.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 8999.

Required: No

scanListenerPortTls

The SCAN listener port for TLS (TCP) protocol.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 8999.

Required: No

tags

Free-form tags for this resource. Each tag is a key-value pair with no predefined name, type, or namespace.

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

timeZone

The time zone to use for the Autonomous VM cluster.

Type: String

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

Required: No

totalContainerDatabases

The total number of Autonomous CDBs that you can create in the Autonomous VM cluster.

Type: Integer

Valid Range: Minimum value of 0.

Required: Yes

Response Syntax

```
{
  "cloudAutonomousVmClusterId": "string",
  "displayName": "string",
  "status": "string",
  "statusReason": "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.

cloudAutonomousVmClusterId

The unique identifier of the created Autonomous VM cluster.

Type: String

displayName

The display name of the created Autonomous VM cluster.

Type: String

status

The current status of the Autonomous VM cluster creation process.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | MAINTENANCE_IN_PROGRESS

statusReason

Additional information about the current status of the Autonomous VM cluster creation process, if applicable.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with the current status of your resource. Fix any inconsistencies with your resource and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ServiceQuotaExceededException

You have exceeded the service quota.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

CreateCloudExadataInfrastructure

Creates an Exadata infrastructure.

Request Syntax

```
{
  "availabilityZone": "string",
  "availabilityZoneId": "string",
  "clientToken": "string",
  "computeCount": number,
  "customerContactsToSendToOCI": [
    {
      "email": "string"
    }
  ],
  "databaseServerType": "string",
  "displayName": "string",
  "maintenanceWindow": {
    "customActionTimeoutInMins": number,
    "daysOfWeek": [
      {
        "name": "string"
      }
    ],
    "hoursOfDay": [ number ],
    "isCustomActionTimeoutEnabled": boolean,
    "leadTimeInWeeks": number,
    "months": [
      {
        "name": "string"
      }
    ],
    "patchingMode": "string",
    "preference": "string",
    "skipRu": boolean,
    "weeksOfMonth": [ number ]
  },
  "shape": "string",
  "storageCount": number,
  "storageServerType": "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.

[availabilityZone](#)

The name of the Availability Zone (AZ) where the Exadata infrastructure is located.

This operation requires that you specify a value for either `availabilityZone` or `availabilityZoneId`.

Example: `us-east-1a`

Type: String

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

Required: No

[availabilityZoneId](#)

The AZ ID of the AZ where the Exadata infrastructure is located.

This operation requires that you specify a value for either `availabilityZone` or `availabilityZoneId`.

Example: `use1-az1`

Type: String

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

Required: No

[clientToken](#)

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the Amazon Web Services SDK automatically generates a client

token and uses it for the request to ensure idempotency. The client token is valid for up to 24 hours after it's first used.

Type: String

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

Pattern: `[a-zA-Z0-9_\\/.=-]+`

Required: No

computeCount

The number of database servers for the Exadata infrastructure. Valid values for this parameter depend on the shape. To get information about the minimum and maximum values, use the `ListDbSystemShapes` operation.

Type: Integer

Required: Yes

customerContactsToSendToOCI

The email addresses of contacts to receive notification from Oracle about maintenance updates for the Exadata infrastructure.

Type: Array of [CustomerContact](#) objects

Required: No

databaseServerType

The database server model type of the Exadata infrastructure. For the list of valid model names, use the `ListDbSystemShapes` operation.

Type: String

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

Pattern: `[a-zA-Z0-9_\\/.=-]+`

Required: No

displayName

A user-friendly name for the Exadata infrastructure.

Type: String

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

Pattern: `[a-zA-Z_](?!.*--)[a-zA-Z0-9_-]*`

Required: Yes

[maintenanceWindow](#)

The maintenance window configuration for the Exadata Cloud infrastructure.

This allows you to define when maintenance operations such as patching and updates can be performed on the infrastructure.

Type: [MaintenanceWindow](#) object

Required: No

[shape](#)

The model name of the Exadata infrastructure. For the list of valid model names, use the `ListDbSystemShapes` operation.

Type: String

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

Pattern: `[a-zA-Z0-9_\/.=-]+`

Required: Yes

[storageCount](#)

The number of storage servers to activate for this Exadata infrastructure. Valid values for this parameter depend on the shape. To get information about the minimum and maximum values, use the `ListDbSystemShapes` operation.

Type: Integer

Required: Yes

[storageServerType](#)

The storage server model type of the Exadata infrastructure. For the list of valid model names, use the `ListDbSystemShapes` operation.

Type: String

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

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

Required: No

tags

The list of resource tags to apply to the Exadata infrastructure.

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

```
{
  "cloudExadataInfrastructureId": "string",
  "displayName": "string",
  "status": "string",
  "statusReason": "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.

cloudExadataInfrastructureId

The unique identifier of the Exadata infrastructure.

Type: String

displayName

The user-friendly name for the Exadata infrastructure.

Type: String

status

The current status of the Exadata infrastructure.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | MAINTENANCE_IN_PROGRESS

statusReason

Additional information about the status of the Exadata infrastructure.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with the current status of your resource. Fix any inconsistencies with your resource and try again.

HTTP Status Code: 400

InternalServerError

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ServiceQuotaExceededException

You have exceeded the service quota.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

CreateCloudVmCluster

Creates a VM cluster on the specified Exadata infrastructure.

Request Syntax

```
{
  "clientToken": "string",
  "cloudExadataInfrastructureId": "string",
  "clusterName": "string",
  "cpuCoreCount": number,
  "dataCollectionOptions": {
    "isDiagnosticsEventsEnabled": boolean,
    "isHealthMonitoringEnabled": boolean,
    "isIncidentLogsEnabled": boolean
  },
  "dataStorageSizeInTBs": number,
  "dbNodeStorageSizeInGBs": number,
  "dbServers": [ "string" ],
  "displayName": "string",
  "giVersion": "string",
  "hostname": "string",
  "isLocalBackupEnabled": boolean,
  "isSparseDiskgroupEnabled": boolean,
  "licenseModel": "string",
  "memorySizeInGBs": number,
  "odbNetworkId": "string",
  "scanListenerPortTcp": number,
  "sshPublicKeys": [ "string" ],
  "systemVersion": "string",
  "tags": {
    "string" : "string"
  },
  "timeZone": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the Amazon Web Services SDK automatically generates a client token and uses it for the request to ensure idempotency. The client token is valid for up to 24 hours after it's first used.

Type: String

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

Pattern: `[a-zA-Z0-9_\/.=-]+`

Required: No

cloudExadataInfrastructureId

The unique identifier of the Exadata infrastructure for this VM cluster.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: `(arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})`

Required: Yes

clusterName

A name for the Grid Infrastructure cluster. The name isn't case sensitive.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 11.

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

Required: No

cpuCoreCount

The number of CPU cores to enable on the VM cluster.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 368.

Required: Yes

[dataCollectionOptions](#)

The set of preferences for the various diagnostic collection options for the VM cluster.

Type: [DataCollectionOptions](#) object

Required: No

[dataStorageSizeInTBs](#)

The size of the data disk group, in terabytes (TBs), to allocate for the VM cluster.

Type: Double

Required: No

[dbNodeStorageSizeInGBs](#)

The amount of local node storage, in gigabytes (GBs), to allocate for the VM cluster.

Type: Integer

Required: No

[dbServers](#)

The list of database servers for the VM cluster.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

[displayName](#)

A user-friendly name for the VM cluster.

Type: String

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

Pattern: `[a-zA-Z_](?!.*--)[a-zA-Z0-9_-]*`

Required: Yes

giVersion

A valid software version of Oracle Grid Infrastructure (GI). To get the list of valid values, use the `ListGiVersions` operation and specify the shape of the Exadata infrastructure.

Example: 19.0.0.0

Type: String

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

Required: Yes

hostname

The host name for the VM cluster.

Constraints:

- Can't be "localhost" or "hostname".
- Can't contain "-version".
- The maximum length of the combined hostname and domain is 63 characters.
- The hostname must be unique within the subnet.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 12.

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

Required: Yes

isLocalBackupEnabled

Specifies whether to enable database backups to local Exadata storage for the VM cluster.

Type: Boolean

Required: No

isSparseDiskgroupEnabled

Specifies whether to create a sparse disk group for the VM cluster.

Type: Boolean

Required: No

licenseModel

The Oracle license model to apply to the VM cluster.

Default: LICENSE_INCLUDED

Type: String

Valid Values: BRING_YOUR_OWN_LICENSE | LICENSE_INCLUDED

Required: No

memorySizeInGBs

The amount of memory, in gigabytes (GBs), to allocate for the VM cluster.

Type: Integer

Required: No

odbNetworkId

The unique identifier of the ODB network for the VM cluster.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: Yes

scanListenerPortTcp

The port number for TCP connections to the single client access name (SCAN) listener.

Valid values: 1024–8999 with the following exceptions: 2484, 6100, 6200, 7060, 7070, 7085, and 7879

Default: 1521

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 8999.

Required: No

sshPublicKeys

The public key portion of one or more key pairs used for SSH access to the VM cluster.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: Yes

systemVersion

The version of the operating system of the image for the VM cluster.

Type: String

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

Required: No

tags

The list of resource tags to apply to the VM cluster.

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

timeZone

The time zone for the VM cluster. For a list of valid values for time zone, you can check the options in the console.

Default: UTC

Type: String

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

Required: No

Response Syntax

```
{
  "cloudVmClusterId": "string",
  "displayName": "string",
  "status": "string",
  "statusReason": "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.

cloudVmClusterId

The unique identifier for the VM cluster.

Type: String

displayName

The user-friendly name for the VM cluster.

Type: String

status

The current status of the VM cluster.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING |
UPDATING | MAINTENANCE_IN_PROGRESS

statusReason

Additional information about the status of the VM cluster.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with the current status of your resource. Fix any inconsistencies with your resource and try again.

HTTP Status Code: 400

InternalServerError

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ServiceQuotaExceededException

You have exceeded the service quota.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

CreateOdbNetwork

Creates an ODB network.

Request Syntax

```
{
  "availabilityZone": "string",
  "availabilityZoneId": "string",
  "backupSubnetCidr": "string",
  "clientSubnetCidr": "string",
  "clientToken": "string",
  "customDomainName": "string",
  "defaultDnsPrefix": "string",
  "displayName": "string",
  "s3Access": "string",
  "s3PolicyDocument": "string",
  "tags": {
    "string" : "string"
  },
  "zeroEtlAccess": "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.

availabilityZone

The AWS Availability Zone (AZ) where the ODB network is located.

This operation requires that you specify a value for either `availabilityZone` or `availabilityZoneId`.

Type: String

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

Required: No

availabilityZoneId

The AZ ID of the AZ where the ODB network is located.

This operation requires that you specify a value for either `availabilityZone` or `availabilityZoneId`.

Type: String

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

Required: No

backupSubnetCidr

The CIDR range of the backup subnet for the ODB network.

Constraints:

- Must not overlap with the CIDR range of the client subnet.
- Must not overlap with the CIDR ranges of the VPCs that are connected to the ODB network.
- Must not use the following CIDR ranges that are reserved by OCI:
 - 100.106.0.0/16 and 100.107.0.0/16
 - 169.254.0.0/16
 - 224.0.0.0 - 239.255.255.255
 - 240.0.0.0 - 255.255.255.255

Type: String

Length Constraints: Minimum length of 1. Maximum length of 43.

Required: No

clientSubnetCidr

The CIDR range of the client subnet for the ODB network.

Constraints:

- Must not overlap with the CIDR range of the backup subnet.
- Must not overlap with the CIDR ranges of the VPCs that are connected to the ODB network.
- Must not use the following CIDR ranges that are reserved by OCI:

- 100.106.0.0/16 and 100.107.0.0/16
- 169.254.0.0/16
- 224.0.0.0 - 239.255.255.255
- 240.0.0.0 - 255.255.255.255

Type: String

Length Constraints: Minimum length of 1. Maximum length of 43.

Required: Yes

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the Amazon Web Services SDK automatically generates a client token and uses it for the request to ensure idempotency. The client token is valid for up to 24 hours after it's first used.

Type: String

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

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

Required: No

customDomainName

The domain name to use for the resources in the ODB network.

Type: String

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

Required: No

defaultDnsPrefix

The DNS prefix to the default DNS domain name. The default DNS domain name is oraclevcn.com.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 15.

Pattern: [a-zA-Z][a-zA-Z0-9]*

Required: No

displayName

A user-friendly name for the ODB network.

Type: String

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

Pattern: [a-zA-Z_](?!.*--)[a-zA-Z0-9_-]*

Required: Yes

s3Access

Specifies the configuration for Amazon S3 access from the ODB network.

Type: String

Valid Values: ENABLED | DISABLED

Required: No

s3PolicyDocument

Specifies the endpoint policy for Amazon S3 access from the ODB network.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 20480.

Required: No

tags

The list of resource tags to apply to the ODB network.

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

zeroEtlAccess

Specifies the configuration for Zero-ETL access from the ODB network.

Type: String

Valid Values: ENABLED | DISABLED

Required: No

Response Syntax

```
{
  "displayName": "string",
  "odbNetworkId": "string",
  "status": "string",
  "statusReason": "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.

displayName

The user-friendly name of the ODB network.

Type: String

odbNetworkId

The unique identifier of the ODB network.

Type: String

status

The current status of the ODB network.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | MAINTENANCE_IN_PROGRESS

statusReason

Additional information about the status of the ODB network.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with the current status of your resource. Fix any inconsistencies with your resource and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ServiceQuotaExceededException

You have exceeded the service quota.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

CreateOdbPeeringConnection

Creates a peering connection between an ODB network and either another ODB network or a customer-owned VPC.

A peering connection enables private connectivity between the networks for application-tier communication.

Request Syntax

```
{
  "clientToken": "string",
  "displayName": "string",
  "odbNetworkId": "string",
  "peerNetworkId": "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.

clientToken

The client token for the ODB peering connection request.

Constraints:

- Must be unique for each request.

Type: String

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

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

Required: No

displayName

The display name for the ODB peering connection.

Type: String

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

Pattern: `[a-zA-Z_](?!.*--)[a-zA-Z0-9_-]*`

Required: No

odbNetworkId

The unique identifier of the ODB network that initiates the peering connection.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: `(arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})`

Required: Yes

peerNetworkId

The unique identifier of the peer network. This can be either a VPC ID or another ODB network ID.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: `(arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})`

Required: Yes

tags

The tags to assign to the ODB peering connection.

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

```
{
  "displayName": "string",
  "odbPeeringConnectionId": "string",
  "status": "string",
  "statusReason": "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.

displayName

The display name of the ODB peering connection.

Type: String

odbPeeringConnectionId

The unique identifier of the ODB peering connection.

Type: String

status

The status of the ODB peering connection.

Valid Values: provisioning | active | terminating | terminated | failed

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | MAINTENANCE_IN_PROGRESS

statusReason

The reason for the current status of the ODB peering connection.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with the current status of your resource. Fix any inconsistencies with your resource and try again.

HTTP Status Code: 400

InternalServerError

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

DeleteCloudAutonomousVmCluster

Deletes an Autonomous VM cluster.

Request Syntax

```
{  
  "cloudAutonomousVmClusterId": "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.

[cloudAutonomousVmClusterId](#)

The unique identifier of the Autonomous VM cluster to delete.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: Yes

Response Elements

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

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with the current status of your resource. Fix any inconsistencies with your resource and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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 Kotlin](#)

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

DeleteCloudExadataInfrastructure

Deletes the specified Exadata infrastructure. Before you use this operation, make sure to delete all of the VM clusters that are hosted on this Exadata infrastructure.

Request Syntax

```
{  
  "cloudExadataInfrastructureId": "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.

[cloudExadataInfrastructureId](#)

The unique identifier of the Exadata infrastructure to delete.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

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](#).

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with the current status of your resource. Fix any inconsistencies with your resource and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

DeleteCloudVmCluster

Deletes the specified VM cluster.

Request Syntax

```
{  
  "cloudVmClusterId": "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.

[cloudVmClusterId](#)

The unique identifier of the VM cluster to delete.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: Yes

Response Elements

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

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with the current status of your resource. Fix any inconsistencies with your resource and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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 Kotlin](#)

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

DeleteOdbNetwork

Deletes the specified ODB network.

Request Syntax

```
{
  "deleteAssociatedResources": boolean,
  "odbNetworkId": "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.

[deleteAssociatedResources](#)

Specifies whether to delete associated OCI networking resources along with the ODB network.

Type: Boolean

Required: Yes

[odbNetworkId](#)

The unique identifier of the ODB network to delete.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

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](#).

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

DeleteOdbPeeringConnection

Deletes an ODB peering connection.

When you delete an ODB peering connection, the underlying VPC peering connection is also deleted.

Request Syntax

```
{  
  "odbPeeringConnectionId": "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.

odbPeeringConnectionId

The unique identifier of the ODB peering connection to delete.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

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](#).

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerError

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

GetCloudAutonomousVmCluster

Gets information about a specific Autonomous VM cluster.

Request Syntax

```
{  
  "cloudAutonomousVmClusterId": "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.

cloudAutonomousVmClusterId

The unique identifier of the Autonomous VM cluster to retrieve information about.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: Yes

Response Syntax

```
{  
  "cloudAutonomousVmCluster": {  
    "autonomousDataStoragePercentage": number,  
    "autonomousDataStorageSizeInTBs": number,  
    "availableAutonomousDataStorageSizeInTBs": number,  
    "availableContainerDatabases": number,  
    "availableCpus": number,  
    "cloudAutonomousVmClusterArn": "string",  
    "cloudAutonomousVmClusterId": "string",  
    "cloudExadataInfrastructureId": "string",  
    "computeModel": "string",  
    "cpuCoreCount": number,  
  }
```

```
"cpuCoreCountPerNode": number,
"cpuPercentage": number,
"createdAt": "string",
"dataStorageSizeInGBs": number,
"dataStorageSizeInTBs": number,
"dbNodeStorageSizeInGBs": number,
"dbServers": [ "string" ],
"description": "string",
"displayName": "string",
"domain": "string",
"exadataStorageInTBsLowestScaledValue": number,
"hostname": "string",
"isMtlsEnabledVmCluster": boolean,
"licenseModel": "string",
"maintenanceWindow": {
  "customActionTimeoutInMins": number,
  "daysOfWeek": [
    {
      "name": "string"
    }
  ],
  "hoursOfDay": [ number ],
  "isCustomActionTimeoutEnabled": boolean,
  "leadTimeInWeeks": number,
  "months": [
    {
      "name": "string"
    }
  ],
  "patchingMode": "string",
  "preference": "string",
  "skipRu": boolean,
  "weeksOfMonth": [ number ]
},
"maxAcdsLowestScaledValue": number,
"memoryPerOracleComputeUnitInGBs": number,
"memorySizeInGBs": number,
"nodeCount": number,
"nonProvisionableAutonomousContainerDatabases": number,
"ocid": "string",
"ociResourceAnchorName": "string",
"ociUrl": "string",
"odbNetworkId": "string",
"percentProgress": number,
```



```
"provisionableAutonomousContainerDatabases": number,
"provisionedAutonomousContainerDatabases": number,
"provisionedCpus": number,
"reclaimableCpus": number,
"reservedCpus": number,
"scanListenerPortNonTls": number,
"scanListenerPortTls": number,
"shape": "string",
"status": "string",
"statusReason": "string",
"timeDatabaseSslCertificateExpires": "string",
"timeOrdsCertificateExpires": "string",
"timeZone": "string",
"totalContainerDatabases": number
}
}
```

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.

[cloudAutonomousVmCluster](#)

The details of the requested Autonomous VM cluster.

Type: [CloudAutonomousVmCluster](#) object

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

- [AWS SDK for Ruby V3](#)

GetCloudExadataInfrastructure

Returns information about the specified Exadata infrastructure.

Request Syntax

```
{
  "cloudExadataInfrastructureId": "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.

cloudExadataInfrastructureId

The unique identifier of the Exadata infrastructure.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: Yes

Response Syntax

```
{
  "cloudExadataInfrastructure": {
    "activatedStorageCount": number,
    "additionalStorageCount": number,
    "availabilityZone": "string",
    "availabilityZoneId": "string",
    "availableStorageSizeInGBs": number,
    "cloudExadataInfrastructureArn": "string",
    "cloudExadataInfrastructureId": "string",
    "computeCount": number,
  }
}
```

```
"computeModel": "string",
"cpuCount": number,
"createdAt": "string",
"customerContactsToSendToOCI": [
  {
    "email": "string"
  }
],
"databaseServerType": "string",
"dataStorageSizeInTBs": number,
"dbNodeStorageSizeInGBs": number,
"dbServerVersion": "string",
"displayName": "string",
"lastMaintenanceRunId": "string",
"maintenanceWindow": {
  "customActionTimeoutInMins": number,
  "daysOfWeek": [
    {
      "name": "string"
    }
  ],
  "hoursOfDay": [ number ],
  "isCustomActionTimeoutEnabled": boolean,
  "leadTimeInWeeks": number,
  "months": [
    {
      "name": "string"
    }
  ],
  "patchingMode": "string",
  "preference": "string",
  "skipRu": boolean,
  "weeksOfMonth": [ number ]
},
"maxCpuCount": number,
"maxDataStorageInTBs": number,
"maxDbNodeStorageSizeInGBs": number,
"maxMemoryInGBs": number,
"memorySizeInGBs": number,
"monthlyDbServerVersion": "string",
"monthlyStorageServerVersion": "string",
"nextMaintenanceRunId": "string",
"ocid": "string",
"ociResourceAnchorName": "string",
```

```
"ociUrl": "string",
"percentProgress": number,
"shape": "string",
"status": "string",
"statusReason": "string",
"storageCount": number,
"storageServerType": "string",
"storageServerVersion": "string",
"totalStorageSizeInGBs": number
}
}
```

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.

cloudExadataInfrastructure

The Exadata infrastructure.

Type: [CloudExadataInfrastructure](#) object

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerError

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

GetCloudExadataInfrastructureUnallocatedResources

Retrieves information about unallocated resources in a specified Cloud Exadata Infrastructure.

Request Syntax

```
{
  "cloudExadataInfrastructureId": "string",
  "dbServers": [ "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.

cloudExadataInfrastructureId

The unique identifier of the Cloud Exadata infrastructure for which to retrieve unallocated resources.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9~.-]{6,64}|[a-zA-Z0-9~.-]{6,64})

Required: Yes

dbServers

The database servers to include in the unallocated resources query.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

Response Syntax

```
{
  "cloudExadataInfrastructureUnallocatedResources": {
    "cloudAutonomousVmClusters": [
      {
        "cloudAutonomousVmClusterId": string,
        "unallocatedAdbStorageInTBs": number
      }
    ],
    "cloudExadataInfrastructureDisplayName": string,
    "cloudExadataInfrastructureId": string,
    "exadataStorageInTBs": number,
    "localStorageInGBs": number,
    "memoryInGBs": number,
    "ocpus": number
  }
}
```

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.

[cloudExadataInfrastructureUnallocatedResources](#)

Details about the unallocated resources in the specified Cloud Exadata infrastructure.

Type: [CloudExadataInfrastructureUnallocatedResources](#) object

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

- [AWS SDK for Ruby V3](#)

GetCloudVmCluster

Returns information about the specified VM cluster.

Request Syntax

```
{  
  "cloudVmClusterId": "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.

cloudVmClusterId

The unique identifier of the VM cluster.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: Yes

Response Syntax

```
{  
  "cloudVmCluster": {  
    "cloudExadataInfrastructureId": "string",  
    "cloudVmClusterArn": "string",  
    "cloudVmClusterId": "string",  
    "clusterName": "string",  
    "computeModel": "string",  
    "cpuCoreCount": number,  
    "createdAt": "string",  
    "dataCollectionOptions": {  
      "isDiagnosticsEventsEnabled": boolean,  
      "isHealthMonitoringEnabled": boolean,  
    }  
  }  
}
```

```
    "isIncidentLogsEnabled": boolean
  },
  "dataStorageSizeInTBs": number,
  "dbNodeStorageSizeInGBs": number,
  "dbServers": [ "string ],
  "diskRedundancy": "string",
  "displayName": "string",
  "domain": "string",
  "giVersion": "string",
  "hostname": "string",
  "iormConfigCache": {
    "dbPlans": [
      {
        "dbName": "string",
        "flashCacheLimit": "string",
        "share": number
      }
    ],
    "lifecycleDetails": "string",
    "lifecycleState": "string",
    "objective": "string"
  },
  "isLocalBackupEnabled": boolean,
  "isSparseDiskgroupEnabled": boolean,
  "lastUpdateHistoryEntryId": "string",
  "licenseModel": "string",
  "listenerPort": number,
  "memorySizeInGBs": number,
  "nodeCount": number,
  "ocid": "string",
  "ociResourceAnchorName": "string",
  "ociUrl": "string",
  "odbNetworkId": "string",
  "percentProgress": number,
  "scanDnsName": "string",
  "scanDnsRecordId": "string",
  "scanIpIds": [ "string ],
  "shape": "string",
  "sshPublicKeys": [ "string ],
  "status": "string",
  "statusReason": "string",
  "storageSizeInGBs": number,
  "systemVersion": "string",
  "timeZone": "string,
```

```
    "vipIds": [ "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.

cloudVmCluster

The VM cluster.

Type: [CloudVmCluster](#) object

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerError

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

GetDbNode

Returns information about the specified DB node.

Request Syntax

```
{  
  "cloudVmClusterId": "string",  
  "dbNodeId": "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.

cloudVmClusterId

The unique identifier of the VM cluster that contains the DB node.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: Yes

dbNodeId

The unique identifier of the DB node to retrieve information about.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: Yes

Response Syntax

```
{
  "dbNode": {
    "additionalDetails": "string",
    "backupIpId": "string",
    "backupVnic2Id": "string",
    "backupVnicId": "string",
    "cpuCoreCount": number,
    "createdAt": "string",
    "dbNodeArn": "string",
    "dbNodeId": "string",
    "dbNodeStorageSizeInGBs": number,
    "dbServerId": "string",
    "dbSystemId": "string",
    "faultDomain": "string",
    "floatingIpAddress": "string",
    "hostIpId": "string",
    "hostname": "string",
    "maintenanceType": "string",
    "memorySizeInGBs": number,
    "ocid": "string",
    "ociResourceAnchorName": "string",
    "privateIpAddress": "string",
    "softwareStorageSizeInGB": number,
    "status": "string",
    "statusReason": "string",
    "timeMaintenanceWindowEnd": "string",
    "timeMaintenanceWindowStart": "string",
    "totalCpuCoreCount": number,
    "vnic2Id": "string",
    "vnicId": "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.

[dbNode](#)

Information about a DB node.

Type: [DbNode](#) object

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

GetDbServer

Returns information about the specified database server.

Request Syntax

```
{  
  "cloudExadataInfrastructureId": "string",  
  "dbServerId": "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.

cloudExadataInfrastructureId

The unique identifier of the Oracle Exadata infrastructure that contains the database server.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: Yes

dbServerId

The unique identifier of the database server to retrieve information about.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: Yes

Response Syntax

```
{
  "dbServer": {
    "autonomousVirtualMachineIds": [ "string" ],
    "autonomousVmClusterIds": [ "string" ],
    "computeModel": "string",
    "cpuCoreCount": number,
    "createdAt": "string",
    "dbNodeStorageSizeInGBs": number,
    "dbServerId": "string",
    "dbServerPatchingDetails": {
      "estimatedPatchDuration": number,
      "patchingStatus": "string",
      "timePatchingEnded": "string",
      "timePatchingStarted": "string"
    },
    "displayName": "string",
    "exadataInfrastructureId": "string",
    "maxCpuCount": number,
    "maxDbNodeStorageInGBs": number,
    "maxMemoryInGBs": number,
    "memorySizeInGBs": number,
    "ocid": "string",
    "ociResourceAnchorName": "string",
    "shape": "string",
    "status": "string",
    "statusReason": "string",
    "vmClusterIds": [ "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.

dbServer

The details of the requested database server.

Type: [DbServer](#) object

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

GetOciOnboardingStatus

Returns the tenancy activation link and onboarding status for your AWS account.

Response Syntax

```
{
  "existingTenancyActivationLink": "string",
  "newTenancyActivationLink": "string",
  "status": "string"
}
```

Response Elements

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

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

existingTenancyActivationLink

The existing OCI tenancy activation link for your AWS account.

Type: String

newTenancyActivationLink

A new OCI tenancy activation link for your AWS account.

Type: String

status

Type: String

Valid Values: NOT_STARTED | PENDING_LINK_GENERATION |
PENDING_CUSTOMER_ACTION | PENDING_INITIALIZATION | ACTIVATING
| ACTIVE_IN_HOME_REGION | ACTIVE | ACTIVE_LIMITED | FAILED |
PUBLIC_OFFER_UNSUPPORTED | SUSPENDED | CANCELED

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

- [AWS SDK for Ruby V3](#)

GetOdbNetwork

Returns information about the specified ODB network.

Request Syntax

```
{  
  "odbNetworkId": "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.

odbNetworkId

The unique identifier of the ODB network.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: Yes

Response Syntax

```
{  
  "odbNetwork": {  
    "availabilityZone": "string",  
    "availabilityZoneId": "string",  
    "backupSubnetCidr": "string",  
    "clientSubnetCidr": "string",  
    "createdAt": "string",  
    "customDomainName": "string",  
    "defaultDnsPrefix": "string",  
    "displayName": "string",
```

```
"managedServices": {
  "managedS3BackupAccess": {
    "ipv4Addresses": [ "string" ],
    "status": "string"
  },
  "managedServicesIpv4Cidrs": [ "string" ],
  "resourceGatewayArn": "string",
  "s3Access": {
    "domainName": "string",
    "ipv4Addresses": [ "string" ],
    "s3PolicyDocument": "string",
    "status": "string"
  },
  "serviceNetworkArn": "string",
  "serviceNetworkEndpoint": {
    "vpcEndpointId": "string",
    "vpcEndpointType": "string"
  },
  "zeroEtlAccess": {
    "cidr": "string",
    "status": "string"
  }
},
"ociDnsForwardingConfigs": [
  {
    "domainName": "string",
    "ociDnsListenerIp": "string"
  }
],
"ociNetworkAnchorId": "string",
"ociNetworkAnchorUrl": "string",
"ociResourceAnchorName": "string",
"ociVcnId": "string",
"ociVcnUrl": "string",
"odbNetworkArn": "string",
"odbNetworkId": "string",
"peeredCidrs": [ "string" ],
"percentProgress": number,
"status": "string",
"statusReason": "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.

[odbNetwork](#)

The ODB network.

Type: [OdbNetwork](#) object

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

GetOdbPeeringConnection

Retrieves information about an ODB peering connection.

Request Syntax

```
{  
  "odbPeeringConnectionId": "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.

odbPeeringConnectionId

The unique identifier of the ODB peering connection to retrieve information about.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: Yes

Response Syntax

```
{  
  "odbPeeringConnection": {  
    "createdAt": "string",  
    "displayName": "string",  
    "odbNetworkArn": "string",  
    "odbPeeringConnectionArn": "string",  
    "odbPeeringConnectionId": "string",  
    "odbPeeringConnectionType": "string",
```

```
"peerNetworkArn": "string",
"percentProgress": number,
"status": "string",
"statusReason": "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.

[odbPeeringConnection](#)

A peering connection between an ODB network and either another ODB network or a customer-owned VPC.

Type: [OdbPeeringConnection](#) object

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerError

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

InitializeService

Initializes the ODB service for the first time in an account.

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](#).

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

ListAutonomousVirtualMachines

Lists all Autonomous VMs in an Autonomous VM cluster.

Request Syntax

```
{
  "cloudAutonomousVmClusterId": "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.

cloudAutonomousVmClusterId

The unique identifier of the Autonomous VM cluster whose virtual machines you're listing.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: Yes

maxResults

The maximum number of items to return per page.

Type: Integer

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

Required: No

nextToken

The pagination token to continue listing from.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8192.

Required: No

Response Syntax

```
{
  "autonomousVirtualMachines": [
    {
      "autonomousVirtualMachineId": "string",
      "clientIpAddress": "string",
      "cloudAutonomousVmClusterId": "string",
      "cpuCoreCount": number,
      "dbNodeStorageSizeInGBs": number,
      "dbServerDisplayName": "string",
      "dbServerId": "string",
      "memorySizeInGBs": number,
      "ocid": "string",
      "ociResourceAnchorName": "string",
      "status": "string",
      "statusReason": "string",
      "vmName": "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.

autonomousVirtualMachines

The list of Autonomous VMs in the specified Autonomous VM cluster.

Type: Array of [AutonomousVirtualMachineSummary](#) objects

nextToken

The pagination token from which to continue listing.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

ListCloudAutonomousVmClusters

Lists all Autonomous VM clusters in a specified Cloud Exadata infrastructure.

Request Syntax

```
{  
  "cloudExadataInfrastructureId": "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.

[cloudExadataInfrastructureId](#)

The unique identifier of the Cloud Exadata Infrastructure that hosts the Autonomous VM clusters to be listed.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: No

[maxResults](#)

The maximum number of items to return per page.

Type: Integer

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

Required: No

nextToken

The pagination token to continue listing from.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8192.

Required: No

Response Syntax

```
{
  "cloudAutonomousVmClusters": [
    {
      "autonomousDataStoragePercentage": number,
      "autonomousDataStorageSizeInTBs": number,
      "availableAutonomousDataStorageSizeInTBs": number,
      "availableContainerDatabases": number,
      "availableCpus": number,
      "cloudAutonomousVmClusterArn": "string",
      "cloudAutonomousVmClusterId": "string",
      "cloudExadataInfrastructureId": "string",
      "computeModel": "string",
      "cpuCoreCount": number,
      "cpuCoreCountPerNode": number,
      "cpuPercentage": number,
      "createdAt": "string",
      "dataStorageSizeInGBs": number,
      "dataStorageSizeInTBs": number,
      "dbNodeStorageSizeInGBs": number,
      "dbServers": [ "string" ],
      "description": "string",
      "displayName": "string",
      "domain": "string",
      "exadataStorageInTBsLowestScaledValue": number,
      "hostname": "string",
      "isMtlsEnabledVmCluster": boolean,
      "licenseModel": "string",
      "maintenanceWindow": {
        "customActionTimeoutInMins": number,
        "daysOfWeek": [
          {
```

```
        "name": "string"
      }
    ],
    "hoursOfDay": [ number ],
    "isCustomActionTimeoutEnabled": boolean,
    "leadTimeInWeeks": number,
    "months": [
      {
        "name": "string"
      }
    ],
    "patchingMode": "string",
    "preference": "string",
    "skipRu": boolean,
    "weeksOfMonth": [ number ]
  },
  "maxAcfsLowestScaledValue": number,
  "memoryPerOracleComputeUnitInGBs": number,
  "memorySizeInGBs": number,
  "nodeCount": number,
  "nonProvisionableAutonomousContainerDatabases": number,
  "ocid": "string",
  "ociResourceAnchorName": "string",
  "ociUrl": "string",
  "odbNetworkId": "string",
  "percentProgress": number,
  "provisionableAutonomousContainerDatabases": number,
  "provisionedAutonomousContainerDatabases": number,
  "provisionedCpus": number,
  "reclaimableCpus": number,
  "reservedCpus": number,
  "scanListenerPortNonTls": number,
  "scanListenerPortTls": number,
  "shape": "string",
  "status": "string",
  "statusReason": "string",
  "timeDatabaseSslCertificateExpires": "string",
  "timeOrdsCertificateExpires": "string",
  "timeZone": "string",
  "totalContainerDatabases": number
}
],
"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.

cloudAutonomousVmClusters

The list of Autonomous VM clusters in the specified Cloud Exadata Infrastructure.

Type: Array of [CloudAutonomousVmClusterSummary](#) objects

nextToken

The pagination token to continue listing from.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerError

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

ListCloudExadataInfrastructures

Returns information about the Exadata infrastructures owned by your AWS account.

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 for this request. To get the next page of items, make another request with the token returned in the output.

Default: 10

Type: Integer

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

Required: No

nextToken

The token returned from a previous paginated request. Pagination continues from the end of the items returned by the previous request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8192.

Required: No

Response Syntax

```
{
  "cloudExadataInfrastructures": [
    {
      "activatedStorageCount": number,
      "additionalStorageCount": number,
      "availabilityZone": "string",
      "availabilityZoneId": "string",
      "availableStorageSizeInGBs": number,
      "cloudExadataInfrastructureArn": "string",
      "cloudExadataInfrastructureId": "string",
      "computeCount": number,
      "computeModel": "string",
      "cpuCount": number,
      "createdAt": "string",
      "customerContactsToSendToOCI": [
        {
          "email": "string"
        }
      ],
      "databaseServerType": "string",
      "dataStorageSizeInTBs": number,
      "dbNodeStorageSizeInGBs": number,
      "dbServerVersion": "string",
      "displayName": "string",
      "lastMaintenanceRunId": "string",
      "maintenanceWindow": {
        "customActionTimeoutInMins": number,
        "daysOfWeek": [
          {
            "name": "string"
          }
        ],
        "hoursOfDay": [ number ],
        "isCustomActionTimeoutEnabled": boolean,
        "leadTimeInWeeks": number,
        "months": [
          {
            "name": "string"
          }
        ],
      ],
      "patchingMode": "string",
    }
  ]
}
```

```

    "preference": "string",
    "skipRu": boolean,
    "weeksOfMonth": [ number ]
  },
  "maxCpuCount": number,
  "maxDataStorageInTBs": number,
  "maxDbNodeStorageSizeInGBs": number,
  "maxMemoryInGBs": number,
  "memorySizeInGBs": number,
  "monthlyDbServerVersion": "string",
  "monthlyStorageServerVersion": "string",
  "nextMaintenanceRunId": "string",
  "ocid": "string",
  "ociResourceAnchorName": "string",
  "ociUrl": "string",
  "percentProgress": number,
  "shape": "string",
  "status": "string",
  "statusReason": "string",
  "storageCount": number,
  "storageServerType": "string",
  "storageServerVersion": "string",
  "totalStorageSizeInGBs": number
}
],
"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.

cloudExadataInfrastructures

The list of Exadata infrastructures along with their properties.

Type: Array of [CloudExadataInfrastructureSummary](#) objects

nextToken

The token to include in another request to get the next page of items. This value is null when there are no more items to return.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerError

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

ListCloudVmClusters

Returns information about the VM clusters owned by your AWS account or only the ones on the specified Exadata infrastructure.

Request Syntax

```
{  
  "cloudExadataInfrastructureId": "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.

cloudExadataInfrastructureId

The unique identifier of the Oracle Exadata infrastructure.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: No

maxResults

The maximum number of items to return for this request. To get the next page of items, make another request with the token returned in the output.

Default: 10

Type: Integer

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

Required: No

nextToken

The token returned from a previous paginated request. Pagination continues from the end of the items returned by the previous request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8192.

Required: No

Response Syntax

```
{
  "cloudVmClusters": [
    {
      "cloudExadataInfrastructureId": "string",
      "cloudVmClusterArn": "string",
      "cloudVmClusterId": "string",
      "clusterName": "string",
      "computeModel": "string",
      "cpuCoreCount": number,
      "createdAt": "string",
      "dataCollectionOptions": {
        "isDiagnosticsEventsEnabled": boolean,
        "isHealthMonitoringEnabled": boolean,
        "isIncidentLogsEnabled": boolean
      },
      "dataStorageSizeInTBs": number,
      "dbNodeStorageSizeInGBs": number,
      "dbServers": [ "string" ],
      "diskRedundancy": "string",
      "displayName": "string",
      "domain": "string",
      "giVersion": "string",
      "hostname": "string",
      "iormConfigCache": {
        "dbPlans": [
          {
            "dbName": "string",
            "flashCacheLimit": "string",
```

```

        "share": number
      }
    ],
    "lifecycleDetails": "string",
    "lifecycleState": "string",
    "objective": "string"
  },
  "isLocalBackupEnabled": boolean,
  "isSparseDiskgroupEnabled": boolean,
  "lastUpdateHistoryEntryId": "string",
  "licenseModel": "string",
  "listenerPort": number,
  "memorySizeInGBs": number,
  "nodeCount": number,
  "ocid": "string",
  "ociResourceAnchorName": "string",
  "ociUrl": "string",
  "odbNetworkId": "string",
  "percentProgress": number,
  "scanDnsName": "string",
  "scanDnsRecordId": "string",
  "scanIpIds": [ "string" ],
  "shape": "string",
  "sshPublicKeys": [ "string" ],
  "status": "string",
  "statusReason": "string",
  "storageSizeInGBs": number,
  "systemVersion": "string",
  "timeZone": "string",
  "vipIds": [ "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.

[cloudVmClusters](#)

The list of VM clusters along with their properties.

Type: Array of [CloudVmClusterSummary](#) objects

[nextToken](#)

The token to include in another request to get the next page of items. This value is null when there are no more items to return.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

ListDbNodes

Returns information about the DB nodes for the specified VM cluster.

Request Syntax

```
{  
  "cloudVmClusterId": "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.

cloudVmClusterId

The unique identifier of the VM cluster.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: Yes

maxResults

The maximum number of items to return for this request. To get the next page of items, make another request with the token returned in the output.

Default: 10

Type: Integer

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

Required: No

nextToken

The token returned from a previous paginated request. Pagination continues from the end of the items returned by the previous request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8192.

Required: No

Response Syntax

```
{
  "dbNodes": [
    {
      "additionalDetails": "string",
      "backupIpId": "string",
      "backupVnic2Id": "string",
      "backupVnicId": "string",
      "cpuCoreCount": number,
      "createdAt": "string",
      "dbNodeArn": "string",
      "dbNodeId": "string",
      "dbNodeStorageSizeInGBs": number,
      "dbServerId": "string",
      "dbSystemId": "string",
      "faultDomain": "string",
      "hostIpId": "string",
      "hostname": "string",
      "maintenanceType": "string",
      "memorySizeInGBs": number,
      "ocid": "string",
      "ociResourceAnchorName": "string",
      "softwareStorageSizeInGB": number,
      "status": "string",
      "statusReason": "string",
      "timeMaintenanceWindowEnd": "string",
      "timeMaintenanceWindowStart": "string",
      "totalCpuCoreCount": number,
      "vnic2Id": "string",
      "vnicId": "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.

dbNodes

The list of DB nodes along with their properties.

Type: Array of [DbNodeSummary](#) objects

nextToken

The token to include in another request to get the next page of items. This value is null when there are no more items to return.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

ListDbServers

Returns information about the database servers that belong to the specified Exadata infrastructure.

Request Syntax

```
{
  "cloudExadataInfrastructureId": "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.

cloudExadataInfrastructureId

The unique identifier of the Oracle Exadata infrastructure.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: Yes

maxResults

The maximum number of items to return for this request. To get the next page of items, make another request with the token returned in the output.

Default: 10

Type: Integer

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

Required: No

nextToken

The token returned from a previous paginated request. Pagination continues from the end of the items returned by the previous request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8192.

Required: No

Response Syntax

```
{
  "dbServers": [
    {
      "autonomousVirtualMachineIds": [ "string" ],
      "autonomousVmClusterIds": [ "string" ],
      "computeModel": "string",
      "cpuCoreCount": number,
      "createdAt": "string",
      "dbNodeStorageSizeInGBs": number,
      "dbServerId": "string",
      "dbServerPatchingDetails": {
        "estimatedPatchDuration": number,
        "patchingStatus": "string",
        "timePatchingEnded": "string",
        "timePatchingStarted": "string"
      },
      "displayName": "string",
      "exadataInfrastructureId": "string",
      "maxCpuCount": number,
      "maxDbNodeStorageInGBs": number,
      "maxMemoryInGBs": number,
      "memorySizeInGBs": number,
      "ocid": "string",
      "ociResourceAnchorName": "string",
      "shape": "string",
      "status": "string",
    }
  ]
}
```

```
    "statusReason": "string",
    "vmClusterIds": [ "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.

dbServers

The list of database servers along with their properties.

Type: Array of [DbServerSummary](#) objects

nextToken

The token to include in another request to get the next page of items. This value is null when there are no more items to return.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerError

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

ListDbSystemShapes

Returns information about the shapes that are available for an Exadata infrastructure.

Request Syntax

```
{
  "availabilityZone": "string",
  "availabilityZoneId": "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.

[availabilityZone](#)

The logical name of the AZ, for example, us-east-1a. This name varies depending on the account.

Type: String

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

Required: No

[availabilityZoneId](#)

The physical ID of the AZ, for example, use1-az4. This ID persists across accounts.

Type: String

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

Required: No

[maxResults](#)

The maximum number of items to return for this request. To get the next page of items, make another request with the token returned in the output.

Default: 10

Type: Integer

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

Required: No

nextToken

The token returned from a previous paginated request. Pagination continues from the end of the items returned by the previous request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8192.

Required: No

Response Syntax

```
{
  "dbSystemShapes": [
    {
      "areServerTypesSupported": boolean,
      "availableCoreCount": number,
      "availableCoreCountPerNode": number,
      "availableDataStorageInTBs": number,
      "availableDataStoragePerServerInTBs": number,
      "availableDbNodePerNodeInGBs": number,
      "availableDbNodeStorageInGBs": number,
      "availableMemoryInGBs": number,
      "availableMemoryPerNodeInGBs": number,
      "computeModel": "string",
      "coreCountIncrement": number,
      "maximumNodeCount": number,
      "maxStorageCount": number,
      "minCoreCountPerNode": number,
      "minDataStorageInTBs": number,
      "minDbNodeStoragePerNodeInGBs": number,
      "minimumCoreCount": number,
      "minimumNodeCount": number,
      "minMemoryPerNodeInGBs": number,
      "minStorageCount": number,
    }
  ]
}
```



```
    "name": "string",
    "runtimeMinimumCoreCount": number,
    "shapeFamily": "string",
    "shapeType": "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.

dbSystemShapes

The list of shapes and their properties.

Type: Array of [DbSystemShapeSummary](#) objects

nextToken

The token to include in another request to get the next page of items. This value is null when there are no more items to return.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

ListGiVersions

Returns information about Oracle Grid Infrastructure (GI) software versions that are available for a VM cluster for the specified shape.

Request Syntax

```
{  
  "maxResults": number,  
  "nextToken": "string",  
  "shape": "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 for this request. To get the next page of items, make another request with the token returned in the output.

Default: 10

Type: Integer

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

Required: No

[nextToken](#)

The token returned from a previous paginated request. Pagination continues from the end of the items returned by the previous request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8192.

Required: No

shape

The shape to return GI versions for. For a list of valid shapes, use the `ListDbSystemShapes` operation..

Type: String

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

Required: No

Response Syntax

```
{
  "giVersions": [
    {
      "version": "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.

giVersions

The list of GI versions and their properties.

Type: Array of [GiVersionSummary](#) objects

nextToken

The token to include in another request to get the next page of items. This value is `null` when there are no more items to return.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

ListOdbNetworks

Returns information about the ODB networks owned by your AWS account.

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 for this request. To get the next page of items, make another request with the token returned in the output.

Default: 10

Type: Integer

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

Required: No

[nextToken](#)

The token returned from a previous paginated request. Pagination continues from the end of the items returned by the previous request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8192.

Required: No

Response Syntax

```
{
  "nextToken": "string",
  "odbNetworks": [
    {
      "availabilityZone": "string",
      "availabilityZoneId": "string",
      "backupSubnetCidr": "string",
      "clientSubnetCidr": "string",
      "createdAt": "string",
      "customDomainName": "string",
      "defaultDnsPrefix": "string",
      "displayName": "string",
      "managedServices": {
        "managedS3BackupAccess": {
          "ipv4Addresses": [ "string" ],
          "status": "string"
        },
        "managedServicesIpv4Cidrs": [ "string" ],
        "resourceGatewayArn": "string",
        "s3Access": {
          "domainName": "string",
          "ipv4Addresses": [ "string" ],
          "s3PolicyDocument": "string",
          "status": "string"
        },
        "serviceNetworkArn": "string",
        "serviceNetworkEndpoint": {
          "vpcEndpointId": "string",
          "vpcEndpointType": "string"
        },
        "zeroEtlAccess": {
          "cidr": "string",
          "status": "string"
        }
      },
      "ociDnsForwardingConfigs": [
        {
          "domainName": "string",
          "ociDnsListenerIp": "string"
        }
      ]
    }
  ],
}
```



```
    "ociNetworkAnchorId": "string",
    "ociNetworkAnchorUrl": "string",
    "ociResourceAnchorName": "string",
    "ociVcnId": "string",
    "ociVcnUrl": "string",
    "odbNetworkArn": "string",
    "odbNetworkId": "string",
    "peeredCidrs": [ "string" ],
    "percentProgress": number,
    "status": "string",
    "statusReason": "string"
  }
]
}
```

Response Elements

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

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

nextToken

The token to include in another request to get the next page of items. This value is null when there are no more items to return.

Type: String

odbNetworks

The list of ODB networks.

Type: Array of [OdbNetworkSummary](#) objects

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

ListOdbPeeringConnections

Lists all ODB peering connections or those associated with a specific ODB network.

Request Syntax

```
{  
  "maxResults": number,  
  "nextToken": "string",  
  "odbNetworkId": "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 ODB peering connections to return in the response.

Default: 20

Constraints:

- Must be between 1 and 100.

Type: Integer

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

Required: No

[nextToken](#)

The pagination token for the next page of ODB peering connections.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8192.

Required: No

odbNetworkId

The identifier of the ODB network to list peering connections for.

If not specified, lists all ODB peering connections in the account.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: No

Response Syntax

```
{
  "nextToken": "string",
  "odbPeeringConnections": [
    {
      "createdAt": "string",
      "displayName": "string",
      "odbNetworkArn": "string",
      "odbPeeringConnectionArn": "string",
      "odbPeeringConnectionId": "string",
      "odbPeeringConnectionType": "string",
      "peerNetworkArn": "string",
      "percentProgress": number,
      "status": "string",
      "statusReason": "string"
    }
  ]
}
```

Response Elements

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

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

[nextToken](#)

The pagination token for the next page of ODB peering connections.

Type: String

[odbPeeringConnections](#)

The list of ODB peering connections.

Type: Array of [OdbPeeringConnectionSummary](#) objects

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerError

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

ListSystemVersions

Returns information about the system versions that are available for a VM cluster for the specified `giVersion` and `shape`.

Request Syntax

```
{
  "giVersion": "string",
  "maxResults": number,
  "nextToken": "string",
  "shape": "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.

giVersion

The software version of the Exadata Grid Infrastructure (GI).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30.

Required: Yes

maxResults

The maximum number of items to return for this request. To get the next page of items, make another request with the token returned in the output.

Default: 10

Type: Integer

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

Required: No

nextToken

The token returned from a previous paginated request. Pagination continues from the end of the items returned by the previous request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8192.

Required: No

shape

The Exadata hardware system model.

Type: String

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

Required: Yes

Response Syntax

```
{
  "nextToken": "string",
  "systemVersions": [
    {
      "giVersion": "string",
      "shape": "string",
      "systemVersions": [ "string" ]
    }
  ]
}
```

Response Elements

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

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

nextToken

The token to include in another request to get the next page of items. This value is null when there are no more items to return.

Type: String

systemVersions

The list of system versions.

Type: Array of [SystemVersionSummary](#) objects

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

ListTagsForResource

Returns information about the tags applied to this 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 resource to list tags for.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-z0-9-_{6,64}`

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

The list of tags applied to the resource.

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 operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

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 Kotlin](#)
- [AWS SDK for PHP V3](#)

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

RebootDbNode

Reboots the specified DB node in a VM cluster.

Request Syntax

```
{
  "cloudVmClusterId": "string",
  "dbNodeId": "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.

cloudVmClusterId

The unique identifier of the VM cluster that contains the DB node to reboot.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: Yes

dbNodeId

The unique identifier of the DB node to reboot.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: Yes

Response Syntax

```
{
  "dbNodeId": "string",
  "status": "string",
  "statusReason": "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.

dbNodeId

The unique identifier of the DB node that was rebooted.

Type: String

status

The current status of the DB node after the reboot operation.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | STOPPING | STOPPED | STARTING

statusReason

Additional information about the status of the DB node after the reboot operation.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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 Kotlin](#)
- [AWS SDK for PHP V3](#)

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

StartDbNode

Starts the specified DB node in a VM cluster.

Request Syntax

```
{  
  "cloudVmClusterId": "string",  
  "dbNodeId": "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.

cloudVmClusterId

The unique identifier of the VM cluster that contains the DB node to start.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: Yes

dbNodeId

The unique identifier of the DB node to start.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: Yes

Response Syntax

```
{
  "dbNodeId": "string",
  "status": "string",
  "statusReason": "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.

dbNodeId

The unique identifier of the DB node that was started.

Type: String

status

The current status of the DB node after the start operation.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | STOPPING | STOPPED | STARTING

statusReason

Additional information about the status of the DB node after the start operation.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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 Kotlin](#)
- [AWS SDK for PHP V3](#)

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

StopDbNode

Stops the specified DB node in a VM cluster.

Request Syntax

```
{  
  "cloudVmClusterId": "string",  
  "dbNodeId": "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.

cloudVmClusterId

The unique identifier of the VM cluster that contains the DB node to stop.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: Yes

dbNodeId

The unique identifier of the DB node to stop.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: Yes

Response Syntax

```
{
  "dbNodeId": "string",
  "status": "string",
  "statusReason": "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.

dbNodeId

The unique identifier of the DB node that was stopped.

Type: String

status

The current status of the DB node after the stop operation.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | STOPPING | STOPPED | STARTING

statusReason

Additional information about the status of the DB node after the stop operation.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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 Kotlin](#)
- [AWS SDK for PHP V3](#)

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

TagResource

Applies tags to the specified resource.

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 resource to apply tags to.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{\0,1}[a-z]{\0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-z0-9-_{6,64}`

Required: Yes

tags

The list of tags to apply to the resource.

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 operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ServiceQuotaExceededException

You have exceeded 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](#)
- [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 Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UntagResource

Removes tags 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 resource to remove tags from.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{\0,1}[a-z]{\0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-z0-9-_{6,64}`

Required: Yes

tagKeys

The names (keys) of the tags to remove from the resource.

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 operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

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

UpdateCloudExadataInfrastructure

Updates the properties of an Exadata infrastructure resource.

Request Syntax

```
{
  "cloudExadataInfrastructureId": "string",
  "maintenanceWindow": {
    "customActionTimeoutInMins": number,
    "daysOfWeek": [
      {
        "name": "string"
      }
    ],
    "hoursOfDay": [ number ],
    "isCustomActionTimeoutEnabled": boolean,
    "leadTimeInWeeks": number,
    "months": [
      {
        "name": "string"
      }
    ],
    "patchingMode": "string",
    "preference": "string",
    "skipRu": boolean,
    "weeksOfMonth": [ 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.

cloudExadataInfrastructureId

The unique identifier of the Exadata infrastructure to update.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: Yes

[maintenanceWindow](#)

The scheduling details for the maintenance window. Patching and system updates take place during the maintenance window.

Type: [MaintenanceWindow](#) object

Required: No

Response Syntax

```
{
  "cloudExadataInfrastructureId": "string",
  "displayName": "string",
  "status": "string",
  "statusReason": "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.

[cloudExadataInfrastructureId](#)

The unique identifier of the updated Exadata infrastructure.

Type: String

[displayName](#)

The user-friendly name of the updated Exadata infrastructure.

Type: String

status

The current status of the Exadata infrastructure after the update operation.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | MAINTENANCE_IN_PROGRESS

statusReason

Additional information about the status of the Exadata infrastructure after the update operation.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with the current status of your resource. Fix any inconsistencies with your resource and try again.

HTTP Status Code: 400

InternalServerErrorException

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

UpdateOdbNetwork

Updates properties of a specified ODB network.

Request Syntax

```
{
  "displayName": "string",
  "odbNetworkId": "string",
  "peeredCidrsToBeAdded": [ "string" ],
  "peeredCidrsToBeRemoved": [ "string" ],
  "s3Access": "string",
  "s3PolicyDocument": "string",
  "zeroEtlAccess": "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.

displayName

The new user-friendly name of the ODB network.

Type: String

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

Pattern: [a-zA-Z_](?!.*--)[a-zA-Z0-9_-]*

Required: No

odbNetworkId

The unique identifier of the ODB network to update.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: Yes

peeredCidrsToBeAdded

The list of CIDR ranges from the peered VPC that allow access to the ODB network.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

peeredCidrsToBeRemoved

The list of CIDR ranges from the peered VPC to remove from the ODB network.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

s3Access

Specifies the updated configuration for Amazon S3 access from the ODB network.

Type: String

Valid Values: ENABLED | DISABLED

Required: No

s3PolicyDocument

Specifies the updated endpoint policy for Amazon S3 access from the ODB network.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 20480.

Required: No

zeroEtlAccess

Specifies the updated configuration for Zero-ETL access from the ODB network.

Type: String

Valid Values: ENABLED | DISABLED

Required: No

Response Syntax

```
{
  "displayName": "string",
  "odbNetworkId": "string",
  "status": "string",
  "statusReason": "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.

displayName

The user-friendly name of the ODB network.

Type: String

odbNetworkId

The unique identifier of the ODB network.

Type: String

status

The current status of the ODB network.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | MAINTENANCE_IN_PROGRESS

statusReason

Additional information about the status of the ODB network.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action. Make sure you have the required permissions and try again.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with the current status of your resource. Fix any inconsistencies with your resource and try again.

HTTP Status Code: 400

InternalServerError

Occurs when there is an internal failure in the Oracle Database@AWS service. Wait and try again.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access a resource that doesn't exist. Make sure you provided the correct resource and try again.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The request has failed validation because it is missing required fields or has invalid inputs.

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

Data Types

The odb 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:

- [AutonomousVirtualMachineSummary](#)
- [CloudAutonomousVmCluster](#)
- [CloudAutonomousVmClusterResourceDetails](#)
- [CloudAutonomousVmClusterSummary](#)
- [CloudExadataInfrastructure](#)
- [CloudExadataInfrastructureSummary](#)
- [CloudExadataInfrastructureUnallocatedResources](#)
- [CloudVmCluster](#)
- [CloudVmClusterSummary](#)
- [CustomerContact](#)
- [DataCollectionOptions](#)
- [DayOfWeek](#)
- [DbIormConfig](#)
- [DbNode](#)
- [DbNodeSummary](#)
- [DbServer](#)
- [DbServerPatchingDetails](#)
- [DbServerSummary](#)
- [DbSystemShapeSummary](#)
- [ExadataIormConfig](#)

- [GiVersionSummary](#)
- [MaintenanceWindow](#)
- [ManagedS3BackupAccess](#)
- [ManagedServices](#)
- [Month](#)
- [OciDnsForwardingConfig](#)
- [OdbNetwork](#)
- [OdbNetworkSummary](#)
- [OdbPeeringConnection](#)
- [OdbPeeringConnectionSummary](#)
- [S3Access](#)
- [ServiceNetworkEndpoint](#)
- [SystemVersionSummary](#)
- [ValidationExceptionField](#)
- [ZeroEtlAccess](#)

AutonomousVirtualMachineSummary

A summary of an Autonomous Virtual Machine (VM) within an Autonomous VM cluster.

Contents

autonomousVirtualMachineId

The unique identifier of the Autonomous VM.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: No

clientIpAddress

The IP address used by clients to connect to this Autonomous VM.

Type: String

Required: No

cloudAutonomousVmClusterId

The unique identifier of the Autonomous VM cluster containing this Autonomous VM.

Type: String

Required: No

cpuCoreCount

The number of CPU cores allocated to this Autonomous VM.

Type: Integer

Required: No

dbNodeStorageSizeInGBs

The amount of storage allocated to this Autonomous Virtual Machine, in gigabytes (GB).

Type: Integer

Required: No

dbServerDisplayName

The display name of the database server hosting this Autonomous VM.

Type: String

Required: No

dbServerId

The unique identifier of the database server hosting this Autonomous VM.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: No

memorySizeInGBs

The amount of memory allocated to this Autonomous VM, in gigabytes (GB).

Type: Integer

Required: No

ocid

The Oracle Cloud Identifier (OCID) of the Autonomous VM.

Type: String

Required: No

ociResourceAnchorName

The name of the Oracle Cloud Infrastructure (OCI) resource anchor associated with this Autonomous VM.

Type: String

Required: No

status

The current status of the Autonomous VM.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | MAINTENANCE_IN_PROGRESS

Required: No

statusReason

Additional information about the current status of the Autonomous VM, if applicable.

Type: String

Required: No

vmName

The name of the Autonomous VM.

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](#)

CloudAutonomousVmCluster

Information about an Autonomous VM cluster resource.

Contents

cloudAutonomousVmClusterId

The unique identifier of the Autonomous VM cluster.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: Yes

autonomousDataStoragePercentage

The percentage of data storage currently in use for Autonomous Databases in the Autonomous VM cluster.

Type: Float

Required: No

autonomousDataStorageSizeInTBs

The data storage size allocated for Autonomous Databases in the Autonomous VM cluster, in TB.

Type: Double

Required: No

availableAutonomousDataStorageSizeInTBs

The available data storage space for Autonomous Databases in the Autonomous VM cluster, in TB.

Type: Double

Required: No

availableContainerDatabases

The number of Autonomous CDBs that you can create with the currently available storage.

Type: Integer

Required: No

availableCpus

The number of CPU cores available for allocation to Autonomous Databases.

Type: Float

Required: No

cloudAutonomousVmClusterArn

The Amazon Resource Name (ARN) for the Autonomous VM cluster.

Type: String

Required: No

cloudExadataInfrastructureId

The unique identifier of the Cloud Exadata Infrastructure containing this Autonomous VM cluster.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9~.-]{6,64}|[a-zA-Z0-9~.-]{6,64})

Required: No

computeModel

The compute model of the Autonomous VM cluster: ECPU or OCPU.

Type: String

Valid Values: ECPU | OCPU

Required: No

cpuCoreCount

The total number of CPU cores in the Autonomous VM cluster.

Type: Integer

Required: No

cpuCoreCountPerNode

The number of CPU cores enabled per node in the Autonomous VM cluster.

Type: Integer

Required: No

cpuPercentage

The percentage of total CPU cores currently in use in the Autonomous VM cluster.

Type: Float

Required: No

createdAt

The date and time when the Autonomous VM cluster was created.

Type: Timestamp

Required: No

dataStorageSizeInGBs

The total data storage allocated to the Autonomous VM cluster, in GB.

Type: Double

Required: No

dataStorageSizeInTBs

The total data storage allocated to the Autonomous VM cluster, in TB.

Type: Double

Required: No

dbNodeStorageSizeInGBs

The local node storage allocated to the Autonomous VM cluster, in gigabytes (GB).

Type: Integer

Required: No

dbServers

The list of database servers associated with the Autonomous VM cluster.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

description

The user-provided description of the Autonomous VM cluster.

Type: String

Required: No

displayName

The display name of the Autonomous VM cluster.

Type: String

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

Pattern: `[a-zA-Z_](?!.*--)[a-zA-Z0-9_-]*`

Required: No

domain

The domain name for the Autonomous VM cluster.

Type: String

Required: No

exadataStorageInTBsLowestScaledValue

The minimum value to which you can scale down the Exadata storage, in TB.

Type: Double

Required: No

hostname

The hostname for the Autonomous VM cluster.

Type: String

Required: No

isMtlsEnabledVmCluster

Indicates whether mutual TLS (mTLS) authentication is enabled for the Autonomous VM cluster.

Type: Boolean

Required: No

licenseModel

The Oracle license model that applies to the Autonomous VM cluster. Valid values are LICENSE_INCLUDED or BRING_YOUR_OWN_LICENSE.

Type: String

Valid Values: BRING_YOUR_OWN_LICENSE | LICENSE_INCLUDED

Required: No

maintenanceWindow

The scheduling details for the maintenance window. Patching and system updates take place during the maintenance window.

Type: [MaintenanceWindow](#) object

Required: No

maxAcfsLowestScaledValue

The minimum value to which you can scale down the maximum number of Autonomous CDBs.

Type: Integer

Required: No

memoryPerOracleComputeUnitInGBs

The amount of memory allocated per Oracle Compute Unit, in GB.

Type: Integer

Required: No

memorySizeInGBs

The total amount of memory allocated to the Autonomous VM cluster, in gigabytes (GB).

Type: Integer

Required: No

nodeCount

The number of database server nodes in the Autonomous VM cluster.

Type: Integer

Required: No

nonProvisionableAutonomousContainerDatabases

The number of Autonomous CDBs that can't be provisioned because of resource constraints.

Type: Integer

Required: No

ocid

The Oracle Cloud Identifier (OCID) of the Autonomous VM cluster.

Type: String

Required: No

ociResourceAnchorName

The name of the OCI resource anchor associated with this Autonomous VM cluster.

Type: String

Required: No

ociUrl

The URL for accessing the OCI console page for this Autonomous VM cluster.

Type: String

Required: No

odbNetworkId

The unique identifier of the ODB network associated with this Autonomous VM cluster.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: No

percentProgress

The progress of the current operation on the Autonomous VM cluster, as a percentage.

Type: Float

Required: No

provisionableAutonomousContainerDatabases

The number of Autonomous CDBs that can be provisioned in the Autonomous VM cluster.

Type: Integer

Required: No

provisionedAutonomousContainerDatabases

The number of Autonomous CDBs currently provisioned in the Autonomous VM cluster.

Type: Integer

Required: No

provisionedCpus

The number of CPU cores currently provisioned in the Autonomous VM cluster.

Type: Float

Required: No

reclaimableCpus

The number of CPU cores that can be reclaimed from terminated or scaled-down Autonomous Databases.

Type: Float

Required: No

reservedCpus

The number of CPU cores reserved for system operations and redundancy.

Type: Float

Required: No

scanListenerPortNonTls

The SCAN listener port for non-TLS (TCP) protocol. The default is 1521.

Type: Integer

Required: No

scanListenerPortTls

The SCAN listener port for TLS (TCP) protocol. The default is 2484.

Type: Integer

Required: No

shape

The shape of the Exadata infrastructure for the Autonomous VM cluster.

Type: String

Required: No

status

The current state of the Autonomous VM cluster. Possible values include CREATING, AVAILABLE, UPDATING, DELETING, DELETED, FAILED.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | MAINTENANCE_IN_PROGRESS

Required: No

statusReason

Additional information about the current status of the Autonomous VM cluster.

Type: String

Required: No

timeDatabaseSslCertificateExpires

The expiration date and time of the database SSL certificate.

Type: Timestamp

Required: No

timeOrdsCertificateExpires

The expiration date and time of the Oracle REST Data Services (ORDS) certificate.

Type: Timestamp

Required: No

timeZone

The time zone of the Autonomous VM cluster.

Type: String

Required: No

totalContainerDatabases

The total number of Autonomous Container Databases that can be created with the allocated local storage.

Type: Integer

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](#)

CloudAutonomousVmClusterResourceDetails

Resource details of an Autonomous VM cluster.

Contents

cloudAutonomousVmClusterId

The unique identifier of the Autonomous VM cluster.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: No

unallocatedAdbStorageInTBs

The amount of unallocated Autonomous Database storage in the Autonomous VM cluster, in terabytes.

Type: Double

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](#)

CloudAutonomousVmClusterSummary

A summary of an Autonomous VM cluster.

Contents

cloudAutonomousVmClusterId

The unique identifier of the Autonomous VM cluster.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: Yes

autonomousDataStoragePercentage

The percentage of data storage currently in use for Autonomous Databases in the Autonomous VM cluster.

Type: Float

Required: No

autonomousDataStorageSizeInTBs

The total data storage allocated for Autonomous Databases in the Autonomous VM cluster, in TB.

Type: Double

Required: No

availableAutonomousDataStorageSizeInTBs

The available data storage for Autonomous Databases in the Autonomous VM cluster, in TB.

Type: Double

Required: No

availableContainerDatabases

The number of Autonomous Container Databases that you can create with the currently available storage.

Type: Integer

Required: No

availableCpus

The number of CPU cores available for allocation to Autonomous Databases.

Type: Float

Required: No

cloudAutonomousVmClusterArn

The Amazon Resource Name (ARN) for the Autonomous VM cluster.

Type: String

Required: No

cloudExadataInfrastructureId

The unique identifier of the Exadata infrastructure containing this Autonomous VM cluster.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9~.-]{6,64}|[a-zA-Z0-9~.-]{6,64})

Required: No

computeModel

The compute model of the Autonomous VM cluster: ECPU or OCPU.

Type: String

Valid Values: ECPU | OCPU

Required: No

cpuCoreCount

The total number of CPU cores in the Autonomous VM cluster.

Type: Integer

Required: No

cpuCoreCountPerNode

The number of CPU cores per node in the Autonomous VM cluster.

Type: Integer

Required: No

cpuPercentage

The percentage of total CPU cores currently in use in the Autonomous VM cluster.

Type: Float

Required: No

createdAt

The date and time when the Autonomous VM cluster was created.

Type: Timestamp

Required: No

dataStorageSizeInGBs

The total data storage allocated to the Autonomous VM cluster, in GB.

Type: Double

Required: No

dataStorageSizeInTBs

The total data storage allocated to the Autonomous VM cluster, in TB.

Type: Double

Required: No

dbNodeStorageSizeInGBs

The local node storage allocated to the Autonomous VM cluster, in GB.

Type: Integer

Required: No

dbServers

The list of database servers associated with the Autonomous VM cluster.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

description

The user-provided description of the Autonomous VM cluster.

Type: String

Required: No

displayName

The user-friendly name for the Autonomous VM cluster.

Type: String

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

Pattern: `[a-zA-Z_](?!.*--)[a-zA-Z0-9_-]*`

Required: No

domain

The domain name for the Autonomous VM cluster.

Type: String

Required: No

exadataStorageInTBsLowestScaledValue

The lowest value to which Exadata storage can be scaled down, in TB.

Type: Double

Required: No

hostname

The host name for the Autonomous VM cluster.

Type: String

Required: No

isMtlsEnabledVmCluster

Indicates if mutual TLS (mTLS) authentication is enabled for the Autonomous VM cluster.

Type: Boolean

Required: No

licenseModel

The Oracle license model that applies to the Autonomous VM cluster.

Type: String

Valid Values: BRING_YOUR_OWN_LICENSE | LICENSE_INCLUDED

Required: No

maintenanceWindow

The scheduling details for the maintenance window. Patching and system updates take place during the maintenance window.

Type: [MaintenanceWindow](#) object

Required: No

maxAcfsLowestScaledValue

The lowest value to which you can scale down the maximum number of Autonomous CDBs.

Type: Integer

Required: No

memoryPerOracleComputeUnitInGBs

The amount of memory allocated per Oracle Compute Unit (OCU), in GB.

Type: Integer

Required: No

memorySizeInGBs

The total amount of memory allocated to the Autonomous VM cluster, in GB.

Type: Integer

Required: No

nodeCount

The number of database server nodes in the Autonomous VM cluster.

Type: Integer

Required: No

nonProvisionableAutonomousContainerDatabases

The number of Autonomous CDBs that can't be provisioned because of resource constraints.

Type: Integer

Required: No

ocid

The Oracle Cloud Identifier (OCID) of the Autonomous VM cluster.

Type: String

Required: No

ociResourceAnchorName

The name of the OCI resource anchor associated with this Autonomous VM cluster.

Type: String

Required: No

ociUrl

The URL for accessing the OCI console page for this Autonomous VM cluster.

Type: String

Required: No

odbNetworkId

The unique identifier of the ODB network associated with this Autonomous VM cluster.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: No

percentProgress

The progress of the current operation on the Autonomous VM cluster, as a percentage.

Type: Float

Required: No

provisionableAutonomousContainerDatabases

The number of Autonomous CDBs that you can provision in the Autonomous VM cluster.

Type: Integer

Required: No

provisionedAutonomousContainerDatabases

The number of Autonomous Container Databases currently provisioned in the Autonomous VM cluster.

Type: Integer

Required: No

provisionedCpus

The number of CPUs currently provisioned in the Autonomous VM cluster.

Type: Float

Required: No

reclaimableCpus

The number of CPUs that can be reclaimed from terminated or scaled-down Autonomous Databases.

Type: Float

Required: No

reservedCpus

The number of CPUs reserved for system operations and redundancy.

Type: Float

Required: No

scanListenerPortNonTls

The SCAN listener port for non-TLS (TCP) protocol.

Type: Integer

Required: No

scanListenerPortTls

The SCAN listener port for TLS (TCP) protocol.

Type: Integer

Required: No

shape

The shape of the Exadata infrastructure for the Autonomous VM cluster.

Type: String

Required: No

status

The current status of the Autonomous VM cluster.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | MAINTENANCE_IN_PROGRESS

Required: No

statusReason

Additional information about the current status of the Autonomous VM cluster, if applicable.

Type: String

Required: No

timeDatabaseSslCertificateExpires

The expiration date and time of the database SSL certificate.

Type: Timestamp

Required: No

timeOrdsCertificateExpires

The expiration date and time of the Oracle REST Data Services (ORDS) certificate.

Type: Timestamp

Required: No

timeZone

The time zone of the Autonomous VM cluster.

Type: String

Required: No

totalContainerDatabases

The total number of Autonomous Container Databases that can be created in the Autonomous VM cluster.

Type: Integer

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](#)

CloudExadataInfrastructure

Information about an Exadata infrastructure.

Contents

cloudExadataInfrastructureId

The unique identifier for the Exadata infrastructure.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: Yes

activatedStorageCount

The number of storage servers requested for the Exadata infrastructure.

Type: Integer

Required: No

additionalStorageCount

The number of storage servers requested for the Exadata infrastructure.

Type: Integer

Required: No

availabilityZone

The name of the Availability Zone (AZ) where the Exadata infrastructure is located.

Type: String

Required: No

availabilityZoneId

The AZ ID of the AZ where the Exadata infrastructure is located.

Type: String

Required: No

availableStorageSizeInGBs

The amount of available storage, in gigabytes (GB), for the Exadata infrastructure.

Type: Integer

Required: No

cloudExadataInfrastructureArn

The Amazon Resource Name (ARN) for the Exadata infrastructure.

Type: String

Required: No

computeCount

The number of database servers for the Exadata infrastructure.

Type: Integer

Required: No

computeModel

The OCI model compute model used when you create or clone an instance: ECPU or OCPU. An ECPU is an abstracted measure of compute resources. ECPU's are based on the number of cores elastically allocated from a pool of compute and storage servers. An OCPU is a legacy physical measure of compute resources. OCPU's are based on the physical core of a processor with hyper-threading enabled.

Type: String

Valid Values: ECPU | OCPU

Required: No

cpuCount

The total number of CPU cores that are allocated to the Exadata infrastructure.

Type: Integer

Required: No

createdAt

The date and time when the Exadata infrastructure was created.

Type: Timestamp

Required: No

customerContactsToSendToOCI

The email addresses of contacts to receive notification from Oracle about maintenance updates for the Exadata infrastructure.

Type: Array of [CustomerContact](#) objects

Required: No

databaseServerType

The database server model type of the Exadata infrastructure. For the list of valid model names, use the `ListDbSystemShapes` operation.

Type: String

Required: No

dataStorageSizeInTBs

The size of the Exadata infrastructure's data disk group, in terabytes (TB).

Type: Double

Required: No

dbNodeStorageSizeInGBs

The size of the Exadata infrastructure's local node storage, in gigabytes (GB).

Type: Integer

Required: No

dbServerVersion

The software version of the database servers (dom0) in the Exadata infrastructure.

Type: String

Required: No

displayName

The user-friendly name for the Exadata infrastructure.

Type: String

Required: No

lastMaintenanceRunId

The Oracle Cloud Identifier (OCID) of the last maintenance run for the Exadata infrastructure.

Type: String

Required: No

maintenanceWindow

The scheduling details for the maintenance window. Patching and system updates take place during the maintenance window.

Type: [MaintenanceWindow](#) object

Required: No

maxCpuCount

The total number of CPU cores available on the Exadata infrastructure.

Type: Integer

Required: No

maxDataStorageInTBs

The total amount of data disk group storage, in terabytes (TB), that's available on the Exadata infrastructure.

Type: Double

Required: No

maxDbNodeStorageSizeInGBs

The total amount of local node storage, in gigabytes (GB), that's available on the Exadata infrastructure.

Type: Integer

Required: No

maxMemoryInGBs

The total amount of memory, in gigabytes (GB), that's available on the Exadata infrastructure.

Type: Integer

Required: No

memorySizeInGBs

The amount of memory, in gigabytes (GB), that's allocated on the Exadata infrastructure.

Type: Integer

Required: No

monthlyDbServerVersion

The monthly software version of the database servers installed on the Exadata infrastructure.

Type: String

Required: No

monthlyStorageServerVersion

The monthly software version of the storage servers installed on the Exadata infrastructure.

Type: String

Required: No

nextMaintenanceRunId

The OCID of the next maintenance run for the Exadata infrastructure.

Type: String

Required: No

ocid

The OCID of the Exadata infrastructure.

Type: String

Required: No

ociResourceAnchorName

The name of the OCI resource anchor for the Exadata infrastructure.

Type: String

Required: No

ociUrl

The HTTPS link to the Exadata infrastructure in OCI.

Type: String

Required: No

percentProgress

The amount of progress made on the current operation on the Exadata infrastructure, expressed as a percentage.

Type: Float

Required: No

shape

The model name of the Exadata infrastructure.

Type: String

Required: No

status

The current status of the Exadata infrastructure.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | MAINTENANCE_IN_PROGRESS

Required: No

statusReason

Additional information about the status of the Exadata infrastructure.

Type: String

Required: No

storageCount

The number of storage servers that are activated for the Exadata infrastructure.

Type: Integer

Required: No

storageServerType

The storage server model type of the Exadata infrastructure. For the list of valid model names, use the `ListDbSystemShapes` operation.

Type: String

Required: No

storageServerVersion

The software version of the storage servers on the Exadata infrastructure.

Type: String

Required: No

totalStorageSizeInGBs

The total amount of storage, in gigabytes (GB), on the the Exadata infrastructure.

Type: Integer

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](#)

CloudExadataInfrastructureSummary

Information about an Exadata infrastructure.

Contents

cloudExadataInfrastructureId

The unique identifier for the Exadata infrastructure.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: Yes

activatedStorageCount

The number of storage servers requested for the Exadata infrastructure.

Type: Integer

Required: No

additionalStorageCount

The number of storage servers requested for the Exadata infrastructure.

Type: Integer

Required: No

availabilityZone

The name of the Availability Zone (AZ) where the Exadata infrastructure is located.

Type: String

Required: No

availabilityZoneId

The AZ ID of the AZ where the Exadata infrastructure is located.

Type: String

Required: No

availableStorageSizeInGBs

The amount of available storage, in gigabytes (GB), for the Exadata infrastructure.

Type: Integer

Required: No

cloudExadataInfrastructureArn

The Amazon Resource Name (ARN) for the Exadata infrastructure.

Type: String

Required: No

computeCount

The number of database servers for the Exadata infrastructure.

Type: Integer

Required: No

computeModel

The OCI model compute model used when you create or clone an instance: ECPU or OCPU. An ECPU is an abstracted measure of compute resources. ECPUs are based on the number of cores elastically allocated from a pool of compute and storage servers. An OCPU is a legacy physical measure of compute resources. OCPUs are based on the physical core of a processor with hyper-threading enabled.

Type: String

Valid Values: ECPU | OCPU

Required: No

cpuCount

The total number of CPU cores that are allocated to the Exadata infrastructure.

Type: Integer

Required: No

createdAt

The date and time when the Exadata infrastructure was created.

Type: Timestamp

Required: No

customerContactsToSendToOCI

The email addresses of contacts to receive notification from Oracle about maintenance updates for the Exadata infrastructure.

Type: Array of [CustomerContact](#) objects

Required: No

databaseServerType

The database server model type of the Exadata infrastructure. For the list of valid model names, use the `ListDbSystemShapes` operation.

Type: String

Required: No

dataStorageSizeInTBs

The size of the Exadata infrastructure's data disk group, in terabytes (TB).

Type: Double

Required: No

dbNodeStorageSizeInGBs

The size of the Exadata infrastructure's local node storage, in gigabytes (GB).

Type: Integer

Required: No

dbServerVersion

The software version of the database servers on the Exadata infrastructure.

Type: String

Required: No

displayName

The user-friendly name for the Exadata infrastructure.

Type: String

Required: No

lastMaintenanceRunId

The Oracle Cloud Identifier (OCID) of the last maintenance run for the Exadata infrastructure.

Type: String

Required: No

maintenanceWindow

The scheduling details for the maintenance window. Patching and system updates take place during the maintenance window.

Type: [MaintenanceWindow](#) object

Required: No

maxCpuCount

The total number of CPU cores available on the Exadata infrastructure.

Type: Integer

Required: No

maxDataStorageInTBs

The total amount of data disk group storage, in terabytes (TB), that's available on the Exadata infrastructure.

Type: Double

Required: No

maxDbNodeStorageSizeInGBs

The total amount of local node storage, in gigabytes (GB), that's available on the Exadata infrastructure.

Type: Integer

Required: No

maxMemoryInGBs

The total amount of memory, in gigabytes (GB), that's available on the Exadata infrastructure.

Type: Integer

Required: No

memorySizeInGBs

The amount of memory, in gigabytes (GB), that's allocated on the Exadata infrastructure.

Type: Integer

Required: No

monthlyDbServerVersion

The monthly software version of the database servers (dom0) installed on the Exadata infrastructure.

Type: String

Required: No

monthlyStorageServerVersion

The monthly software version of the storage servers installed on the Exadata infrastructure.

Type: String

Required: No

nextMaintenanceRunId

The OCID of the next maintenance run for the Exadata infrastructure.

Type: String

Required: No

ocid

The OCID of the Exadata infrastructure.

Type: String

Required: No

ociResourceAnchorName

The name of the OCI resource anchor for the Exadata infrastructure.

Type: String

Required: No

ociUrl

The HTTPS link to the Exadata infrastructure in OCI.

Type: String

Required: No

percentProgress

The amount of progress made on the current operation on the Exadata infrastructure, expressed as a percentage.

Type: Float

Required: No

shape

The model name of the Exadata infrastructure.

Type: String

Required: No

status

The current status of the Exadata infrastructure.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | MAINTENANCE_IN_PROGRESS

Required: No

statusReason

Additional information about the status of the Exadata infrastructure.

Type: String

Required: No

storageCount

The number of storage servers that are activated for the Exadata infrastructure.

Type: Integer

Required: No

storageServerType

The storage server model type of the Exadata infrastructure. For the list of valid model names, use the `ListDbSystemShapes` operation.

Type: String

Required: No

storageServerVersion

The software version of the storage servers on the Exadata infrastructure.

Type: String

Required: No

totalStorageSizeInGBs

The total amount of storage, in gigabytes (GB), on the the Exadata infrastructure.

Type: Integer

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](#)

CloudExadataInfrastructureUnallocatedResources

Information about unallocated resources in the Cloud Exadata infrastructure.

Contents

cloudAutonomousVmClusters

A list of Autonomous VM clusters associated with this Cloud Exadata Infrastructure.

Type: Array of [CloudAutonomousVmClusterResourceDetails](#) objects

Required: No

cloudExadataInfrastructureDisplayName

The display name of the Cloud Exadata infrastructure.

Type: String

Required: No

cloudExadataInfrastructureId

The unique identifier of the Cloud Exadata infrastructure.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: No

exadataStorageInTBs

The amount of unallocated Exadata storage available, in terabytes (TB).

Type: Double

Required: No

localStorageInGBs

The amount of unallocated local storage available, in gigabytes (GB).

Type: Integer

Required: No

memoryInGBs

The amount of unallocated memory available, in gigabytes (GB).

Type: Integer

Required: No

ocpus

The number of unallocated Oracle CPU Units (OCPU) available.

Type: Integer

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](#)

CloudVmCluster

Information about a VM cluster.

Contents

cloudVmClusterId

The unique identifier of the VM cluster.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: Yes

cloudExadataInfrastructureId

The unique identifier of the Exadata infrastructure that this VM cluster belongs to.

Type: String

Required: No

cloudVmClusterArn

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

Type: String

Required: No

clusterName

The name of the Grid Infrastructure (GI) cluster.

Type: String

Required: No

computeModel

The OCI model compute model used when you create or clone an instance: ECPU or OCPU. An ECPU is an abstracted measure of compute resources. ECPUs are based on the number of cores

elastically allocated from a pool of compute and storage servers. An OCPU is a legacy physical measure of compute resources. OCPUs are based on the physical core of a processor with hyper-threading enabled.

Type: String

Valid Values: ECPU | OCPU

Required: No

cpuCoreCount

The number of CPU cores enabled on the VM cluster.

Type: Integer

Required: No

createdAt

The date and time when the VM cluster was created.

Type: Timestamp

Required: No

dataCollectionOptions

The set of diagnostic collection options enabled for the VM cluster.

Type: [DataCollectionOptions](#) object

Required: No

dataStorageSizeInTBs

The size of the data disk group, in terabytes (TB), that's allocated for the VM cluster.

Type: Double

Required: No

dbNodeStorageSizeInGBs

The amount of local node storage, in gigabytes (GB), that's allocated for the VM cluster.

Type: Integer

Required: No

dbServers

The list of database servers for the VM cluster.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

diskRedundancy

The type of redundancy configured for the VM cluster. NORMAL is 2-way redundancy. HIGH is 3-way redundancy.

Type: String

Valid Values: HIGH | NORMAL

Required: No

displayName

The user-friendly name for the VM cluster.

Type: String

Required: No

domain

The domain of the VM cluster.

Type: String

Required: No

giVersion

The software version of the Oracle Grid Infrastructure (GI) for the VM cluster.

Type: String

Required: No

hostname

The host name for the VM cluster.

Type: String

Required: No

iormConfigCache

The ExadataIORMConfig cache details for the VM cluster.

Type: [ExadataIORMConfig](#) object

Required: No

isLocalBackupEnabled

Indicates whether database backups to local Exadata storage is enabled for the VM cluster.

Type: Boolean

Required: No

isSparseDiskgroupEnabled

Indicates whether the VM cluster is configured with a sparse disk group.

Type: Boolean

Required: No

lastUpdateHistoryEntryId

The Oracle Cloud ID (OCID) of the last maintenance update history entry.

Type: String

Required: No

licenseModel

The Oracle license model applied to the VM cluster.

Type: String

Valid Values: BRING_YOUR_OWN_LICENSE | LICENSE_INCLUDED

Required: No

listenerPort

The port number configured for the listener on the VM cluster.

Type: Integer

Required: No

memorySizeInGBs

The amount of memory, in gigabytes (GB), that's allocated for the VM cluster.

Type: Integer

Required: No

nodeCount

The number of nodes in the VM cluster.

Type: Integer

Required: No

ocid

The OCID of the VM cluster.

Type: String

Required: No

ociResourceAnchorName

The name of the OCI resource anchor for the VM cluster.

Type: String

Required: No

ociUrl

The HTTPS link to the VM cluster in OCI.

Type: String

Required: No

odbNetworkId

The unique identifier of the ODB network for the VM cluster.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: No

percentProgress

The amount of progress made on the current operation on the VM cluster, expressed as a percentage.

Type: Float

Required: No

scanDnsName

The FQDN of the DNS record for the Single Client Access Name (SCAN) IP addresses that are associated with the VM cluster.

Type: String

Required: No

scanDnsRecordId

The OCID of the DNS record for the SCAN IP addresses that are associated with the VM cluster.

Type: String

Required: No

scanIps

The OCID of the SCAN IP addresses that are associated with the VM cluster.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

shape

The hardware model name of the Exadata infrastructure that's running the VM cluster.

Type: String

Required: No

sshPublicKeys

The public key portion of one or more key pairs used for SSH access to the VM cluster.

Type: Array of strings

Required: No

status

The current status of the VM cluster.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | MAINTENANCE_IN_PROGRESS

Required: No

statusReason

Additional information about the status of the VM cluster.

Type: String

Required: No

storageSizeInGBs

The amount of local node storage, in gigabytes (GB), that's allocated to the VM cluster.

Type: Integer

Required: No

systemVersion

The operating system version of the image chosen for the VM cluster.

Type: String

Required: No

timeZone

The time zone of the VM cluster.

Type: String

Required: No

vipIds

The virtual IP (VIP) addresses that are associated with the VM cluster. Oracle's Cluster Ready Services (CRS) creates and maintains one VIP address for each node in the VM cluster to enable failover. If one node fails, the VIP is reassigned to another active node in the cluster.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CloudVmClusterSummary

Information about a VM cluster.

Contents

cloudVmClusterId

The unique identifier of the VM cluster.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: Yes

cloudExadataInfrastructureId

The unique identifier of the Exadata infrastructure that this VM cluster belongs to.

Type: String

Required: No

cloudVmClusterArn

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

Type: String

Required: No

clusterName

The name of the Grid Infrastructure (GI) cluster.

Type: String

Required: No

computeModel

The OCI model compute model used when you create or clone an instance: ECPU or OCPU. An ECPU is an abstracted measure of compute resources. ECPUs are based on the number of cores

elastically allocated from a pool of compute and storage servers. An OCPU is a legacy physical measure of compute resources. OCPUs are based on the physical core of a processor with hyper-threading enabled.

Type: String

Valid Values: ECPU | OCPU

Required: No

cpuCoreCount

The number of CPU cores enabled on the VM cluster.

Type: Integer

Required: No

createdAt

The date and time when the VM cluster was created.

Type: Timestamp

Required: No

dataCollectionOptions

Information about the data collection options enabled for a VM cluster.

Type: [DataCollectionOptions](#) object

Required: No

dataStorageSizeInTBs

The size of the data disk group, in terabytes (TB), that's allocated for the VM cluster.

Type: Double

Required: No

dbNodeStorageSizeInGBs

The amount of local node storage, in gigabytes (GB), that's allocated for the VM cluster.

Type: Integer

Required: No

dbServers

The list of database servers for the VM cluster.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

diskRedundancy

The type of redundancy configured for the VM cluster. NORMAL is 2-way redundancy. HIGH is 3-way redundancy.

Type: String

Valid Values: HIGH | NORMAL

Required: No

displayName

The user-friendly name for the VM cluster.

Type: String

Required: No

domain

The domain of the VM cluster.

Type: String

Required: No

giVersion

The software version of the Oracle Grid Infrastructure (GI) for the VM cluster.

Type: String

Required: No

hostname

The host name for the VM cluster.

Type: String

Required: No

iormConfigCache

The IORM settings of the Exadata DB system.

Type: [ExadataIormConfig](#) object

Required: No

isLocalBackupEnabled

Indicates whether database backups to local Exadata storage is enabled for the VM cluster.

Type: Boolean

Required: No

isSparseDiskgroupEnabled

Indicates whether the VM cluster is configured with a sparse disk group.

Type: Boolean

Required: No

lastUpdateHistoryEntryId

The Oracle Cloud ID (OCID) of the last maintenance update history entry.

Type: String

Required: No

licenseModel

The Oracle license model applied to the VM cluster.

Type: String

Valid Values: BRING_YOUR_OWN_LICENSE | LICENSE_INCLUDED

Required: No

listenerPort

The port number configured for the listener on the VM cluster.

Type: Integer

Required: No

memorySizeInGBs

The amount of memory, in gigabytes (GB), that's allocated for the VM cluster.

Type: Integer

Required: No

nodeCount

The number of nodes in the VM cluster.

Type: Integer

Required: No

ocid

The OCID of the VM cluster.

Type: String

Required: No

ociResourceAnchorName

The name of the OCI resource anchor for the VM cluster.

Type: String

Required: No

ociUrl

The HTTPS link to the VM cluster in OCI.

Type: String

Required: No

odbNetworkId

The unique identifier of the ODB network for the VM cluster.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: No

percentProgress

The amount of progress made on the current operation on the VM cluster, expressed as a percentage.

Type: Float

Required: No

scanDnsName

The FQDN of the DNS record for the Single Client Access Name (SCAN) IP addresses that are associated with the VM cluster.

Type: String

Required: No

scanDnsRecordId

The OCID of the DNS record for the SCAN IP addresses that are associated with the VM cluster.

Type: String

Required: No

scanIpIds

The OCID of the SCAN IP addresses that are associated with the VM cluster.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

shape

The hardware model name of the Exadata infrastructure that's running the VM cluster.

Type: String

Required: No

sshPublicKeys

The public key portion of one or more key pairs used for SSH access to the VM cluster.

Type: Array of strings

Required: No

status

The current status of the VM cluster.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | MAINTENANCE_IN_PROGRESS

Required: No

statusReason

Additional information about the status of the VM cluster.

Type: String

Required: No

storageSizeInGBs

The amount of local node storage, in gigabytes (GB), that's allocated to the VM cluster.

Type: Integer

Required: No

systemVersion

The operating system version of the image chosen for the VM cluster.

Type: String

Required: No

timeZone

The time zone of the VM cluster.

Type: String

Required: No

vipIds

The virtual IP (VIP) addresses that are associated with the VM cluster. Oracle's Cluster Ready Services (CRS) creates and maintains one VIP address for each node in the VM cluster to enable failover. If one node fails, the VIP is reassigned to another active node in the cluster.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CustomerContact

A contact to receive notification from Oracle about maintenance updates for a specific Exadata infrastructure.

Contents

email

The email address of the contact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 320.

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](#)

DataCollectionOptions

Information about the data collection options enabled for a VM cluster.

Contents

isDiagnosticsEventsEnabled

Indicates whether diagnostic collection is enabled for the VM cluster.

Type: Boolean

Required: No

isHealthMonitoringEnabled

Indicates whether health monitoring is enabled for the VM cluster.

Type: Boolean

Required: No

isIncidentLogsEnabled

Indicates whether incident logs are enabled for the cloud VM cluster.

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](#)

DayOfWeek

An enumeration of days of the week used for scheduling maintenance windows.

Contents

name

The name of the day of the week.

Type: String

Valid Values: MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY | SUNDAY

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](#)

DblormConfig

The IORM configuration settings for the database.

Contents

dbName

The database name. For the default DbPlan, the dbName is default.

Type: String

Required: No

flashCacheLimit

The flash cache limit for this database. This value is internally configured based on the share value assigned to the database.

Type: String

Required: No

share

The relative priority of this database.

Type: Integer

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](#)

DbNode

Information about a DB node.

Contents

additionalDetails

Additional information about the planned maintenance.

Type: String

Required: No

backupIpId

The Oracle Cloud ID (OCID) of the backup IP address that's associated with the DB node.

Type: String

Required: No

backupVnic2Id

The OCID of the second backup VNIC.

Type: String

Required: No

backupVnicId

The OCID of the backup VNIC.

Type: String

Required: No

cpuCoreCount

Number of CPU cores enabled on the DB node.

Type: Integer

Required: No

createdAt

The date and time when the DB node was created.

Type: Timestamp

Required: No

dbNodeArn

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

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-z0-9-_{6,64}`

Required: No

dbNodeId

The unique identifier of the DB node.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

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

Required: No

dbNodeStorageSizeInGBs

The amount of local node storage, in gigabytes (GBs), that's allocated on the DB node.

Type: Integer

Required: No

dbServerId

The unique identifier of the Db server that is associated with the DB node.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: No

dbSystemId

The OCID of the DB system.

Type: String

Required: No

faultDomain

The name of the fault domain the instance is contained in.

Type: String

Required: No

floatingIpAddress

The floating IP address assigned to the DB node.

Type: String

Required: No

hostId

The OCID of the host IP address that's associated with the DB node.

Type: String

Required: No

hostname

The host name for the DB node.

Type: String

Required: No

maintenanceType

The type of database node maintenance. Either VMDB_REBOOT_MIGRATION or EXADBXS_REBOOT_MIGRATION.

Type: String

Valid Values: VMDB_REBOOT_MIGRATION

Required: No

memorySizeInGBs

The allocated memory in GBs on the DB node.

Type: Integer

Required: No

ocid

The OCID of the DB node.

Type: String

Required: No

ociResourceAnchorName

The name of the OCI resource anchor for the DB node.

Type: String

Required: No

privateIpAddress

The private IP address assigned to the DB node.

Type: String

Required: No

softwareStorageSizeInGB

The size (in GB) of the block storage volume allocation for the DB system.

Type: Integer

Required: No

status

The current status of the DB node.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | STOPPING | STOPPED | STARTING

Required: No

statusReason

Additional information about the status of the DB node.

Type: String

Required: No

timeMaintenanceWindowEnd

End date and time of maintenance window.

Type: String

Required: No

timeMaintenanceWindowStart

Start date and time of maintenance window.

Type: String

Required: No

totalCpuCoreCount

The total number of CPU cores reserved on the DB node.

Type: Integer

Required: No

vnic2Id

The OCID of the second VNIC.

Type: String

Required: No

vnicId

The OCID of the VNIC.

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](#)

DbNodeSummary

Information about a DB node.

Contents

additionalDetails

Additional information about the planned maintenance.

Type: String

Required: No

backupIpId

The Oracle Cloud ID (OCID) of the backup IP address that's associated with the DB node.

Type: String

Required: No

backupVnic2Id

The OCID of the second backup virtual network interface card (VNIC) for the DB node.

Type: String

Required: No

backupVnicId

The OCID of the backup VNIC for the DB node.

Type: String

Required: No

cpuCoreCount

The number of CPU cores enabled on the DB node.

Type: Integer

Required: No

createdAt

The date and time when the DB node was created.

Type: Timestamp

Required: No

dbNodeArn

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

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-z0-9-_{6,64}`

Required: No

dbNodeId

The unique identifier of the DB node.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

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

Required: No

dbNodeStorageSizeInGBs

The amount of local node storage, in gigabytes (GB), that's allocated on the DB node.

Type: Integer

Required: No

dbServerId

The unique identifier of the database server that's associated with the DB node.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: No

dbSystemId

The OCID of the DB system.

Type: String

Required: No

faultDomain

The name of the fault domain where the DB node is located.

Type: String

Required: No

hostId

The OCID of the host IP address that's associated with the DB node.

Type: String

Required: No

hostname

The host name for the DB node.

Type: String

Required: No

maintenanceType

The type of maintenance the DB node.

Type: String

Valid Values: VMDB_REBOOT_MIGRATION

Required: No

memorySizeInGBs

The amount of memory, in gigabytes (GB), that allocated on the DB node.

Type: Integer

Required: No

ocid

The OCID of the DB node.

Type: String

Required: No

ociResourceAnchorName

The name of the OCI resource anchor for the DB node.

Type: String

Required: No

softwareStorageSizeInGB

The size of the block storage volume, in gigabytes (GB), that's allocated for the DB system. This attribute applies only for virtual machine DB systems.

Type: Integer

Required: No

status

The current status of the DB node.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | STOPPING | STOPPED | STARTING

Required: No

statusReason

Additional information about the status of the DB node.

Type: String

Required: No

timeMaintenanceWindowEnd

The end date and time of the maintenance window.

Type: String

Required: No

timeMaintenanceWindowStart

The start date and time of the maintenance window.

Type: String

Required: No

totalCpuCoreCount

The total number of CPU cores reserved on the DB node.

Type: Integer

Required: No

vnic2Id

The OCID of the second VNIC.

Type: String

Required: No

vnicId

The OCID of the VNIC.

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](#)

DbServer

Information about a database server.

Contents

autonomousVirtualMachineIds

The list of unique identifiers for the Autonomous VMs associated with this database server.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

autonomousVmClusterIds

The list of identifiers for the Autonomous VM clusters associated with this database server.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

computeModel

The compute model of the database server (ECPU or OCPU).

Type: String

Valid Values: ECPU | OCPU

Required: No

cpuCoreCount

The number of CPU cores enabled on the database server.

Type: Integer

Required: No

createdAt

The date and time when the database server was created.

Type: Timestamp

Required: No

dbNodeStorageSizeInGBs

The allocated local node storage in GBs on the database server.

Type: Integer

Required: No

dbServerId

The unique identifier for the database server.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: No

dbServerPatchingDetails

The scheduling details for the quarterly maintenance window. Patching and system updates take place during the maintenance window.

Type: [DbServerPatchingDetails](#) object

Required: No

displayName

The user-friendly name of the database server.

Type: String

Required: No

exadataInfrastructureId

The ID of the Exadata infrastructure the database server belongs to.

Type: String

Required: No

maxCpuCount

The total number of CPU cores available.

Type: Integer

Required: No

maxDbNodeStorageInGBs

The total local node storage available in GBs.

Type: Integer

Required: No

maxMemoryInGBs

The total memory available in GBs.

Type: Integer

Required: No

memorySizeInGBs

The allocated memory in GBs on the database server.

Type: Integer

Required: No

ocid

The OCID of the database server.

Type: String

Required: No

ociResourceAnchorName

The name of the OCI resource anchor for the database server.

Type: String

Required: No

shape

The shape of the database server. The shape determines the amount of CPU, storage, and memory resources available.

Type: String

Required: No

status

The current status of the database server.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | MAINTENANCE_IN_PROGRESS

Required: No

statusReason

Additional information about the current status of the database server.

Type: String

Required: No

vmClusterIds

The OCID of the VM clusters that are associated with the database server.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

DbServerPatchingDetails

The scheduling details for the quarterly maintenance window. Patching and system updates take place during the maintenance window.

Contents

estimatedPatchDuration

Estimated time, in minutes, to patch one database server.

Type: Integer

Required: No

patchingStatus

The status of the patching operation. Possible values are SCHEDULED, MAINTENANCE_IN_PROGRESS, FAILED, and COMPLETE.

Type: String

Valid Values: COMPLETE | FAILED | MAINTENANCE_IN_PROGRESS | SCHEDULED

Required: No

timePatchingEnded

The time when the patching operation ended.

Type: String

Required: No

timePatchingStarted

The time when the patching operation started.

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](#)

DbServerSummary

Information about a database server.

Contents

autonomousVirtualMachineIds

A list of unique identifiers for the Autonomous VMs.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

autonomousVmClusterIds

A list of identifiers for the Autonomous VM clusters.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

computeModel

The OCI model compute model used when you create or clone an instance: ECPU or OCPU. An ECPU is an abstracted measure of compute resources. ECPUs are based on the number of cores elastically allocated from a pool of compute and storage servers. An OCPU is a legacy physical measure of compute resources. OCPUs are based on the physical core of a processor with hyper-threading enabled.

Type: String

Valid Values: ECPU | OCPU

Required: No

cpuCoreCount

The number of CPU cores enabled on the database server.

Type: Integer

Required: No

createdAt

The date and time when the database server was created.

Type: Timestamp

Required: No

dbNodeStorageSizeInGBs

The amount of local node storage, in gigabytes (GB), that's allocated on the database server.

Type: Integer

Required: No

dbServerId

The unique identifier of the database server.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: [a-zA-Z0-9_~.-]+

Required: No

dbServerPatchingDetails

The scheduling details for the quarterly maintenance window. Patching and system updates take place during the maintenance window.

Type: [DbServerPatchingDetails](#) object

Required: No

displayName

The user-friendly name of the database server. The name doesn't need to be unique.

Type: String

Required: No

exadataInfrastructureId

The ID of the Exadata infrastructure that hosts the database server.

Type: String

Required: No

maxCpuCount

The total number of CPU cores available on the database server.

Type: Integer

Required: No

maxDbNodeStorageInGBs

The total amount of local node storage, in gigabytes (GB), that's available on the database server.

Type: Integer

Required: No

maxMemoryInGBs

The total amount of memory, in gigabytes (GB), that's available on the database server.

Type: Integer

Required: No

memorySizeInGBs

The amount of memory, in gigabytes (GB), that's allocated on the database server.

Type: Integer

Required: No

ocid

The OCID of the database server.

Type: String

Required: No

ociResourceAnchorName

The name of the OCI resource anchor for the database server.

Type: String

Required: No

shape

The hardware system model of the Exadata infrastructure that the database server is hosted on. The shape determines the amount of CPU, storage, and memory resources available.

Type: String

Required: No

status

The current status of the database server.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | MAINTENANCE_IN_PROGRESS

Required: No

statusReason

Additional information about the status of the database server.

Type: String

Required: No

vmClusterIds

The IDs of the VM clusters that are associated with the database server.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

DbSystemShapeSummary

Information about a hardware system model (shape) that's available for an Exadata infrastructure. The shape determines resources, such as CPU cores, memory, and storage, to allocate to the Exadata infrastructure.

Contents

areServerTypesSupported

Indicates whether the hardware system model supports configurable database and server storage types.

Type: Boolean

Required: No

availableCoreCount

The maximum number of CPU cores that can be enabled for the shape.

Type: Integer

Required: No

availableCoreCountPerNode

The maximum number of CPU cores per DB node that can be enabled for the shape.

Type: Integer

Required: No

availableDataStorageInTBs

The maximum amount of data storage, in terabytes (TB), that can be enabled for the shape.

Type: Integer

Required: No

availableDataStoragePerServerInTBs

The maximum amount of data storage, in terabytes (TB), that's available per storage server for the shape.

Type: Integer

Required: No

availableDbNodePerNodeInGBs

The maximum amount of DB node storage, in gigabytes (GB), that's available per DB node for the shape.

Type: Integer

Required: No

availableDbNodeStorageInGBs

The maximum amount of DB node storage, in gigabytes (GB), that can be enabled for the shape.

Type: Integer

Required: No

availableMemoryInGBs

The maximum amount of memory, in gigabytes (GB), that can be enabled for the shape.

Type: Integer

Required: No

availableMemoryPerNodeInGBs

The maximum amount of memory, in gigabytes (GB), that's available per DB node for the shape.

Type: Integer

Required: No

computeModel

The OCI model compute model used when you create or clone an instance: ECPU or OCPU. An ECPU is an abstracted measure of compute resources. ECPUs are based on the number of cores elastically allocated from a pool of compute and storage servers. An OCPU is a legacy physical measure of compute resources. OCPUs are based on the physical core of a processor with hyper-threading enabled.

Type: String

Valid Values: ECPU | OCPU

Required: No

coreCountIncrement

The discrete number by which the CPU core count for the shape can be increased or decreased.

Type: Integer

Required: No

maximumNodeCount

The maximum number of compute servers that is available for the shape.

Type: Integer

Required: No

maxStorageCount

The maximum number of Exadata storage servers that's available for the shape.

Type: Integer

Required: No

minCoreCountPerNode

The minimum number of CPU cores that can be enabled per node for the shape.

Type: Integer

Required: No

minDataStorageInTBs

The minimum amount of data storage, in terabytes (TB), that must be allocated for the shape.

Type: Integer

Required: No

minDbNodeStoragePerNodeInGBs

The minimum amount of DB node storage, in gigabytes (GB), that must be allocated per DB node for the shape.

Type: Integer

Required: No

minimumCoreCount

The minimum number of CPU cores that can be enabled for the shape.

Type: Integer

Required: No

minimumNodeCount

The minimum number of compute servers that are available for the shape.

Type: Integer

Required: No

minMemoryPerNodeInGBs

The minimum amount of memory, in gigabytes (GB), that must be allocated per DB node for the shape.

Type: Integer

Required: No

minStorageCount

The minimum number of Exadata storage servers that are available for the shape.

Type: Integer

Required: No

name

The name of the shape.

Type: String

Required: No

runtimeMinimumCoreCount

The runtime minimum number of CPU cores that can be enabled for the shape.

Type: Integer

Required: No

shapeFamily

The family of the shape.

Type: String

Required: No

shapeType

The shape type. This property is determined by the CPU hardware.

Type: String

Valid Values: AMD | INTEL | INTEL_FLEX_X9 | AMPERE_FLEX_A1

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](#)

ExadataIORMConfig

The IORM settings of the Exadata DB system.

Contents

dbPlans

An array of IORM settings for all the database in the Exadata DB system.

Type: Array of [DbIORMConfig](#) objects

Required: No

lifecycleDetails

Additional information about the current lifecycleState.

Type: String

Required: No

lifecycleState

The current state of IORM configuration for the Exadata DB system.

Type: String

Valid Values: BOOTSTRAPPING | DISABLED | ENABLED | FAILED | UPDATING

Required: No

objective

The current value for the IORM objective. The default is AUTO.

Type: String

Valid Values: AUTO | BALANCED | BASIC | HIGH_THROUGHPUT | LOW_LATENCY

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](#)

GiVersionSummary

Information about a specific version of Oracle Grid Infrastructure (GI) software that can be installed on a VM cluster.

Contents

version

The GI software version.

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](#)

MaintenanceWindow

The scheduling details for the maintenance window. Patching and system updates take place during the maintenance window.

Contents

customActionTimeoutInMins

The custom action timeout in minutes for the maintenance window.

Type: Integer

Valid Range: Minimum value of 15. Maximum value of 120.

Required: No

daysOfWeek

The days of the week when maintenance can be performed.

Type: Array of [DayOfWeek](#) objects

Required: No

hoursOfDay

The hours of the day when maintenance can be performed.

Type: Array of integers

Required: No

isCustomActionTimeoutEnabled

Indicates whether custom action timeout is enabled for the maintenance window.

Type: Boolean

Required: No

leadTimeInWeeks

The lead time in weeks before the maintenance window.

Type: Integer

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

Required: No

months

The months when maintenance can be performed.

Type: Array of [Month](#) objects

Required: No

patchingMode

The patching mode for the maintenance window.

Type: String

Valid Values: ROLLING | NONROLLING

Required: No

preference

The preference for the maintenance window scheduling.

Type: String

Valid Values: NO_PREFERENCE | CUSTOM_PREFERENCE

Required: No

skipRu

Indicates whether to skip release updates during maintenance.

Type: Boolean

Required: No

weeksOfMonth

The weeks of the month when maintenance can be performed.

Type: Array of integers

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](#)

ManagedS3BackupAccess

The configuration for managed Amazon S3 backup access from the ODB network.

Contents

ipv4Addresses

The IPv4 addresses for the managed Amazon S3 backup access.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

status

The status of the managed Amazon S3 backup access.

Valid Values: enabled | disabled

Type: String

Valid Values: ENABLED | ENABLING | DISABLED | DISABLING

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](#)

ManagedServices

The managed services configuration for the ODB network.

Contents

managedS3BackupAccess

The managed Amazon S3 backup access configuration.

Type: [ManagedS3BackupAccess](#) object

Required: No

managedServicesIpv4Cidrs

The IPv4 CIDR blocks for the managed services.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

resourceGatewayArn

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

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-z0-9-_{0,1}]{6,64}`

Required: No

s3Access

The Amazon S3 access configuration.

Type: [S3Access](#) object

Required: No

serviceNetworkArn

The Amazon Resource Name (ARN) of the service network.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-z0-9-_{6,64}`

Required: No

serviceNetworkEndpoint

The service network endpoint configuration.

Type: [ServiceNetworkEndpoint](#) object

Required: No

zeroEtlAccess

The Zero-ETL access configuration.

Type: [ZeroEtlAccess](#) 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](#)

Month

An enumeration of months used for scheduling maintenance windows.

Contents

name

The name of the month.

Type: String

Valid Values: JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER

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](#)

OciDnsForwardingConfig

DNS configuration to forward DNS resolver endpoints to your OCI Private Zone.

Contents

domainName

Domain name to which DNS resolver forwards to.

Type: String

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

Required: No

ociDnsListenerIp

OCI DNS listener IP for custom DNS setup.

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](#)

OdbNetwork

Information about an ODB network.

Contents

odbNetworkId

The unique identifier of the ODB network.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: Yes

availabilityZone

The AWS Availability Zone (AZ) where the ODB network is located.

Type: String

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

Required: No

availabilityZoneId

The AZ ID of the AZ where the ODB network is located.

Type: String

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

Required: No

backupSubnetCidr

The CIDR range of the backup subnet in the ODB network.

Type: String

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

Required: No

clientSubnetCidr

The CIDR range of the client subnet in the ODB network.

Type: String

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

Required: No

createdAt

The date and time when the ODB network was created.

Type: Timestamp

Required: No

customDomainName

The domain name for the resources in the ODB network.

Type: String

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

Required: No

defaultDnsPrefix

The DNS prefix to the default DNS domain name. The default DNS domain name is oraclevcn.com.

Type: String

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

Required: No

displayName

The user-friendly name of the ODB network.

Type: String

Required: No

managedServices

The managed services configuration for the ODB network.

Type: [ManagedServices](#) object

Required: No

ociDnsForwardingConfigs

The DNS resolver endpoint in OCI for forwarding DNS queries for the ociPrivateZone domain.

Type: Array of [OciDnsForwardingConfig](#) objects

Required: No

ociNetworkAnchorId

The unique identifier of the OCI network anchor for the ODB network.

Type: String

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

Required: No

ociNetworkAnchorUrl

The URL of the OCI network anchor for the ODB network.

Type: String

Required: No

ociResourceAnchorName

The name of the OCI resource anchor that's associated with the ODB network.

Type: String

Required: No

ociVcnId

The Oracle Cloud ID (OCID) for the Virtual Cloud Network (VCN) that's associated with the ODB network.

Type: String

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

Required: No

ociVcnUrl

The URL for the VCN that's associated with the ODB network.

Type: String

Required: No

odbNetworkArn

The Amazon Resource Name (ARN) of the ODB network.

Type: String

Required: No

peeredCidrs

The list of CIDR ranges from the peered VPC that are allowed access to the ODB network.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

percentProgress

The amount of progress made on the current operation on the ODB network, expressed as a percentage.

Type: Float

Required: No

status

The current status of the ODB network.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | MAINTENANCE_IN_PROGRESS

Required: No

statusReason

Additional information about the current status of the ODB network.

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](#)

OdbNetworkSummary

Information about an ODB network.

Contents

odbNetworkId

The unique identifier of the ODB network.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: Yes

availabilityZone

The AWS Availability Zone (AZ) where the ODB network is located.

Type: String

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

Required: No

availabilityZoneId

The AZ ID of the AZ where the ODB network is located.

Type: String

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

Required: No

backupSubnetCidr

The CIDR range of the backup subnet in the ODB network.

Type: String

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

Required: No

clientSubnetCidr

The CIDR range of the client subnet in the ODB network.

Type: String

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

Required: No

createdAt

The date and time when the ODB network was created.

Type: Timestamp

Required: No

customDomainName

The domain name for the resources in the ODB network.

Type: String

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

Required: No

defaultDnsPrefix

The DNS prefix to the default DNS domain name. The default DNS domain name is oraclevcn.com.

Type: String

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

Required: No

displayName

The user-friendly name of the ODB network.

Type: String

Required: No

managedServices

The managed services configuration for the ODB network.

Type: [ManagedServices](#) object

Required: No

ociDnsForwardingConfigs

The DNS resolver endpoint in OCI for forwarding DNS queries for the ociPrivateZone domain.

Type: Array of [OciDnsForwardingConfig](#) objects

Required: No

ociNetworkAnchorId

The unique identifier of the OCI network anchor for the ODB network.

Type: String

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

Required: No

ociNetworkAnchorUrl

The URL of the OCI network anchor for the ODB network.

Type: String

Required: No

ociResourceAnchorName

The name of the OCI resource anchor associated with the ODB network.

Type: String

Required: No

ociVcnId

The Oracle Cloud ID (OCID) for the Virtual Cloud Network (VCN) associated with the ODB network.

Type: String

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

Required: No

ociVcnUrl

The URL for the VCN that's associated with the ODB network.

Type: String

Required: No

odbNetworkArn

The Amazon Resource Name (ARN) of the ODB network.

Type: String

Required: No

peeredCidrs

The list of CIDR ranges from the peered VPC that are allowed access to the ODB network.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

percentProgress

The amount of progress made on the current operation on the ODB network, expressed as a percentage.

Type: Float

Required: No

status

The current status of the ODB network.

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | MAINTENANCE_IN_PROGRESS

Required: No

statusReason

Additional information about the current status of the ODB network.

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](#)

OdbPeeringConnection

A peering connection between an ODB network and either another ODB network or a customer-owned VPC.

Contents

odbPeeringConnectionId

The unique identifier of the ODB peering connection. A sample ID is odbpcx-abcdefgh12345678.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: Yes

createdAt

The timestamp when the ODB peering connection was created.

Type: Timestamp

Required: No

displayName

The display name of the ODB peering connection.

Type: String

Required: No

odbNetworkArn

The Amazon Resource Name (ARN) of the ODB network that initiated the peering connection.

Type: String

Required: No

odbPeeringConnectionArn

The Amazon Resource Name (ARN) of the ODB peering connection.

Example: `arn:aws:odb:us-east-1:123456789012:odb-peering-connection/odbpcx-abcdefgh12345678`

Type: String

Required: No

odbPeeringConnectionType

The type of the ODB peering connection.

Valid Values: `ODB-VPC` | `ODB-ODB`

Type: String

Required: No

peerNetworkArn

The Amazon Resource Name (ARN) of the peer network.

Type: String

Required: No

percentProgress

The percentage progress of the ODB peering connection creation or deletion.

Type: Float

Required: No

status

The status of the ODB peering connection.

Valid Values: `provisioning` | `active` | `terminating` | `terminated` | `failed`

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | MAINTENANCE_IN_PROGRESS

Required: No

statusReason

The reason for the current status of the ODB peering connection.

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](#)

OdbPeeringConnectionSummary

A summary of an ODB peering connection.

Contents

odbPeeringConnectionId

The unique identifier of the ODB peering connection. A sample ID is odbpcx-abcdefgh12345678.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 2048.

Pattern: (arn:(?:aws|aws-cn|aws-us-gov|aws-iso-{0,1}[a-z]{0,1}):[a-z0-9-]+:[a-z0-9-]*:[0-9]+:[a-z0-9-]+/[a-zA-Z0-9_~.-]{6,64}|[a-zA-Z0-9_~.-]{6,64})

Required: Yes

createdAt

The timestamp when the ODB peering connection was created.

Type: Timestamp

Required: No

displayName

The display name of the ODB peering connection.

Type: String

Required: No

odbNetworkArn

The Amazon Resource Name (ARN) of the ODB network that initiated the peering connection.

Type: String

Required: No

odbPeeringConnectionArn

The Amazon Resource Name (ARN) of the ODB peering connection.

Type: String

Required: No

odbPeeringConnectionType

The type of the ODB peering connection.

Valid Values: ODB-VPC | ODB-ODB

Type: String

Required: No

peerNetworkArn

The Amazon Resource Name (ARN) of the peer network.

Type: String

Required: No

percentProgress

The percentage progress of the ODB peering connection creation or deletion.

Type: Float

Required: No

status

The status of the ODB peering connection.

Valid Values: provisioning | active | terminating | terminated | failed

Type: String

Valid Values: AVAILABLE | FAILED | PROVISIONING | TERMINATED | TERMINATING | UPDATING | MAINTENANCE_IN_PROGRESS

Required: No

statusReason

The reason for the current status of the ODB peering connection.

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](#)

S3Access

The configuration for Amazon S3 access from the ODB network.

Contents

domainName

The domain name for the Amazon S3 access.

Type: String

Required: No

ipv4Addresses

The IPv4 addresses for the Amazon S3 access.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

s3PolicyDocument

The endpoint policy for the Amazon S3 access.

Type: String

Required: No

status

The status of the Amazon S3 access.

Valid Values: enabled | disabled

Type: String

Valid Values: ENABLED | ENABLING | DISABLED | DISABLING

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](#)

ServiceNetworkEndpoint

The configuration for a service network endpoint.

Contents

vpcEndpointId

The identifier of the VPC endpoint.

Type: String

Required: No

vpcEndpointType

The type of the VPC endpoint.

Valid Values: Interface | Gateway

Type: String

Valid Values: SERVICENETWORK

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](#)

SystemVersionSummary

Information about the compatible system versions that can be used with a specific Exadata shape and Grid Infrastructure (GI) version.

Contents

giVersion

The version of GI software.

Type: String

Required: No

shape

The Exadata hardware model.

Type: String

Required: No

systemVersions

The Exadata system versions that are compatible with the specified Exadata shape and GI version.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1024 items.

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ValidationExceptionField

The input failed to meet the constraints specified by the service in a specified field. Make sure you provided the correct input and try again.

Contents

message

The description of the error.

Type: String

Required: Yes

name

The field name for which validation failed.

Type: String

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](#)

ZeroEtlAccess

The configuration for Zero-ETL access from the ODB network.

Contents

cidr

The CIDR block for the Zero-ETL access.

Type: String

Required: No

status

The status of the Zero-ETL access.

Valid Values: enabled | disabled

Type: String

Valid Values: ENABLED | ENABLING | DISABLED | DISABLING

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signing AWS API requests](#) in the *IAM User Guide*.

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