

DescribeDBInstances - Amazon Relational Database Service

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Describes provisioned RDS instances. This API supports pagination.

Note

This operation can also return information for Amazon Neptune DB instances and Amazon DocumentDB instances.

Request Parameters

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

DBInstanceIdentifier

The user-supplied instance identifier or the Amazon Resource Name (ARN) of the DB instance. If this parameter is specified, information from only the specific DB instance is returned. This parameter isn't case-sensitive.

Constraints:

- If supplied, must match the identifier of an existing DB instance.

Type: String

Required: No

Filters.Filter.N

A filter that specifies one or more DB instances to describe.

Supported Filters:

- `db-cluster-id` - Accepts DB cluster identifiers and DB cluster Amazon Resource Names (ARNs). The results list only includes information about the DB instances associated with the DB clusters identified by these ARNs.
- `db-instance-id` - Accepts DB instance identifiers and DB instance Amazon Resource Names (ARNs). The results list only includes information about the DB instances identified by these ARNs.
- `dbi-resource-id` - Accepts DB instance resource identifiers. The results list only includes information about the DB instances identified by these DB instance resource identifiers.

- `domain` - Accepts Active Directory directory IDs. The results list only includes information about the DB instances associated with these domains.
- `engine` - Accepts engine names. The results list only includes information about the DB instances for these engines.

Type: Array of [Filter](#) objects

Required: No

Marker

An optional pagination token provided by a previous `DescribeDBInstances` request. If this parameter is specified, the response includes only records beyond the marker, up to the value specified by `MaxRecords` .

Type: String

Required: No

MaxRecords

The maximum number of records to include in the response. If more records exist than the specified `MaxRecords` value, a pagination token called a marker is included in the response so that you can retrieve the remaining results.

Default: 100

Constraints: Minimum 20, maximum 100.

Type: Integer

Required: No

Response Elements

The following elements are returned by the service.

DBInstances.DBInstance.N

A list of `DBInstance` instances.

Type: Array of [DBInstance](#) objects

Marker

An optional pagination token provided by a previous request. If this parameter is specified, the response includes only records beyond the marker, up to the value specified by `MaxRecords` .

Type: String

Errors

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

DBInstanceNotFound

`DBInstanceIdentifier` doesn't refer to an existing DB instance.

HTTP Status Code: 404

Examples

Example

This example illustrates one usage of DescribeDBInstances.

Sample Request

```
https://rds.us-east-1.amazonaws.com/  
?Action=DescribeDBInstances  
&MaxRecords=100  
&SignatureMethod=HmacSHA256  
&SignatureVersion=4  
&Version=2014-10-31  
&X-Amz-Algorithm=AWS4-HMAC-SHA256  
&X-Amz-Credential=AKIADQKE4SARGYLE/20140420/us-east-1/rds/aws4_request  
&X-Amz-Date=20140420T171917Z  
&X-Amz-SignedHeaders=content-type;host;user-agent;x-amz-content-sha256;x-amz-date  
&X-Amz-Signature=caa44629fa60576c2c282d9b74d47647f9e9f229f6d0e52db1d3be0d095743b0
```

Sample Response

```
<DescribeDBInstancesResponse xmlns="http://rds.amazonaws.com/doc/2014-10-31/">  
  <DescribeDBInstancesResult>  
    <DBInstances>  
      <DBInstance>  
        <AllocatedStorage>100</AllocatedStorage>  
        <DBParameterGroups>  
          <DBParameterGroup>  
            <DBParameterGroupName>default.mysql5.6</DBParameterGroupName>  
            <ParameterApplyStatus>in-sync</ParameterApplyStatus>  
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        </DBParameterGroups>  
        <AvailabilityZone>us-east-1b</AvailabilityZone>
```

```
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<DBSecurityGroups/>
<Iops>1000</Iops>
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<EngineVersion>5.6.39</EngineVersion>
<MasterUsername>mysqlbadmin</MasterUsername>
<InstanceCreateTime>2018-03-28T19:54:07.871Z</InstanceCreateTime>
<DBInstanceClass>db.m4.xlarge</DBInstanceClass>
<ReadReplicaDBInstanceIdentifiers/>
<MonitoringInterval>60</MonitoringInterval>
<DBInstanceStatus>available</DBInstanceStatus>
<BackupRetentionPeriod>7</BackupRetentionPeriod>
<KmsKeyId>arn:aws:kms:us-east-1:1234567890:key/#####</KmsKeyId>
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</OptionGroupMemberships>
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<DbiResourceId>db-IXRXA2XS7KFFA6JWYWFZEBJDE</DbiResourceId>
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<DBInstanceIdentifier>mysqlb</DBInstanceIdentifier>
<DBInstanceArn>arn:aws:rds:us-east-1:1234567890:db:mysqlb</DBInstanceArn>
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```

```
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```

```
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  <MasterUsername>oracledbadmin</MasterUsername>
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  <DBInstanceStatus>available</DBInstanceStatus>
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```

```

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```

See Also

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

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

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

Source: https://docs.aws.amazon.com/AmazonRDS/latest/APIReference/API_DescribeDBInstances.html