
Amazon RDS Data Service

API Reference

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Amazon RDS Data Service: API Reference

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Table of Contents

Welcome	1
Actions	2
BatchExecuteStatement	3
Request Syntax	3
URI Request Parameters	3
Request Body	3
Response Syntax	4
Response Elements	5
Errors	5
See Also	6
BeginTransaction	7
Request Syntax	7
URI Request Parameters	7
Request Body	7
Response Syntax	8
Response Elements	8
Errors	8
See Also	9
CommitTransaction	10
Request Syntax	10
URI Request Parameters	10
Request Body	10
Response Syntax	10
Response Elements	11
Errors	11
See Also	11
ExecuteSql	13
Request Syntax	13
URI Request Parameters	13
Request Body	13
Response Syntax	14
Response Elements	15
Errors	15
See Also	15
ExecuteStatement	17
Request Syntax	17
URI Request Parameters	17
Request Body	17
Response Syntax	19
Response Elements	20
Errors	20
See Also	21
RollbackTransaction	22
Request Syntax	22
URI Request Parameters	22
Request Body	22
Response Syntax	22
Response Elements	23
Errors	23
See Also	23
Data Types	25
ColumnMetadata	26
Contents	26
See Also	27

Field	28
Contents	28
See Also	28
Record	30
Contents	30
See Also	30
ResultFrame	31
Contents	31
See Also	31
ResultSetMetadata	32
Contents	32
See Also	32
SqlParameter	33
Contents	33
See Also	33
SqlStatementResult	34
Contents	34
See Also	34
StructValue	35
Contents	35
See Also	35
UpdateResult	36
Contents	36
See Also	36
Value	37
Contents	37
See Also	38

Welcome

Amazon RDS provides an HTTP endpoint to run SQL statements on an Amazon Aurora Serverless DB cluster. To run these statements, you work with the Data Service API.

For more information about the Data Service API, see [Using the Data API for Aurora Serverless](#) in the *Amazon Aurora User Guide*.

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Actions

The following actions are supported:

- [BatchExecuteStatement](#) (p. 3)
- [BeginTransaction](#) (p. 7)
- [CommitTransaction](#) (p. 10)
- [ExecuteSql](#) (p. 13)
- [ExecuteStatement](#) (p. 17)
- [RollbackTransaction](#) (p. 22)

BatchExecuteStatement

Runs a batch SQL statement over an array of data.

You can run bulk update and insert operations for multiple records using a DML statement with different parameter sets. Bulk operations can provide a significant performance improvement over individual insert and update operations.

Important

If a call isn't part of a transaction because it doesn't include the `transactionID` parameter, changes that result from the call are committed automatically.

Request Syntax

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

{
  "database": "string",
  "parameterSets": [
    [
      {
        "name": "string",
        "value": {
          "blobValue": blob,
          "booleanValue": boolean,
          "doubleValue": number,
          "isNull": boolean,
          "longValue": number,
          "stringValue": "string"
        }
      }
    ]
  ],
  "resourceArn": "string",
  "schema": "string",
  "secretArn": "string",
  "sql": "string",
  "transactionId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

database (p. 3)

The name of the database.

Type: String

Length Constraints: Maximum length of 64.

Required: No

[parameterSets \(p. 3\)](#)

The parameter set for the batch operation.

Type: Array of arrays of [SqlParameter \(p. 33\)](#) objects

Required: No

[resourceArn \(p. 3\)](#)

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

Type: String

Length Constraints: Maximum length of 100.

Required: Yes

[schema \(p. 3\)](#)

The name of the database schema.

Type: String

Length Constraints: Maximum length of 64.

Required: No

[secretArn \(p. 3\)](#)

The name or ARN of the secret that enables access to the DB cluster.

Type: String

Length Constraints: Maximum length of 100.

Required: Yes

[sql \(p. 3\)](#)

The SQL statement to run.

Type: String

Length Constraints: Maximum length of 65536.

Required: Yes

[transactionId \(p. 3\)](#)

The identifier of a transaction that was started by using the `BeginTransaction` operation. Specify the transaction ID of the transaction that you want to include the SQL statement in.

If the SQL statement is not part of a transaction, don't set this parameter.

Type: String

Length Constraints: Maximum length of 192.

Required: No

Response Syntax

HTTP/1.1 200

```
Content-type: application/json

{
  "updateResults": [
    {
      "generatedFields": [
        {
          "blobValue": blob,
          "booleanValue": boolean,
          "doubleValue": number,
          "isNull": boolean,
          "longValue": number,
          "stringValue": "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.

[updateResults \(p. 4\)](#)

The execution results of each batch entry.

Type: Array of [UpdateResult \(p. 36\)](#) objects

Errors

BadRequestException

There is an error in the call or in a SQL statement.

HTTP Status Code: 400

ForbiddenException

There are insufficient privileges to make the call.

HTTP Status Code: 403

InternalServerErrorException

An internal error occurred.

HTTP Status Code: 500

ServiceUnavailableError

The service specified by the `resourceArn` parameter is not available.

HTTP Status Code: 503

StatementTimeoutException

The execution of the SQL statement timed out.

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](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

BeginTransaction

Starts a SQL transaction.

Important

A transaction can run for a maximum of 24 hours. A transaction is terminated and rolled back automatically after 24 hours.

A transaction times out if no calls use its transaction ID in three minutes. If a transaction times out before it's committed, it's rolled back automatically.

DDL statements inside a transaction cause an implicit commit. We recommend that you run each DDL statement in a separate `ExecuteStatement` call with `continueAfterTimeout` enabled.

Request Syntax

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

{
  "database": "string",
  "resourceArn": "string",
  "schema": "string",
  "secretArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[database \(p. 7\)](#)

The name of the database.

Type: String

Length Constraints: Maximum length of 64.

Required: No

[resourceArn \(p. 7\)](#)

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

Type: String

Length Constraints: Maximum length of 100.

Required: Yes

[schema \(p. 7\)](#)

The name of the database schema.

Type: String

Length Constraints: Maximum length of 64.

Required: No

secretArn (p. 7)

The name or ARN of the secret that enables access to the DB cluster.

Type: String

Length Constraints: Maximum length of 100.

Required: Yes

Response Syntax

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

{
  "transactionId": "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.

transactionId (p. 8)

The transaction ID of the transaction started by the call.

Type: String

Length Constraints: Maximum length of 192.

Errors

BadRequestException

There is an error in the call or in a SQL statement.

HTTP Status Code: 400

ForbiddenException

There are insufficient privileges to make the call.

HTTP Status Code: 403

InternalServerErrorException

An internal error occurred.

HTTP Status Code: 500

ServiceUnavailableError

The service specified by the `resourceArn` parameter is not available.

HTTP Status Code: 503

StatementTimeoutException

The execution of the SQL statement timed out.

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](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

CommitTransaction

Ends a SQL transaction started with the `BeginTransaction` operation and commits the changes.

Request Syntax

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

{
  "resourceArn": "string",
  "secretArn": "string",
  "transactionId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

resourceArn (p. 10)

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

Type: String

Length Constraints: Maximum length of 100.

Required: Yes

secretArn (p. 10)

The name or ARN of the secret that enables access to the DB cluster.

Type: String

Length Constraints: Maximum length of 100.

Required: Yes

transactionId (p. 10)

The identifier of the transaction to end and commit.

Type: String

Length Constraints: Maximum length of 192.

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json  
  
{  
  "transactionStatus": "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.

transactionStatus (p. 10)

The status of the commit operation.

Type: String

Length Constraints: Maximum length of 128.

Errors

BadRequestException

There is an error in the call or in a SQL statement.

HTTP Status Code: 400

ForbiddenException

There are insufficient privileges to make the call.

HTTP Status Code: 403

InternalServerErrorException

An internal error occurred.

HTTP Status Code: 500

NotFoundException

The `resourceArn`, `secretArn`, or `transactionId` value can't be found.

HTTP Status Code: 404

ServiceUnavailableError

The service specified by the `resourceArn` parameter is not available.

HTTP Status Code: 503

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](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

ExecuteSql

Runs one or more SQL statements.

Important

This operation is deprecated. Use the `BatchExecuteStatement` or `ExecuteStatement` operation.

Request Syntax

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

{
  "awsSecretStoreArn": "string",
  "database": "string",
  "dbClusterOrInstanceArn": "string",
  "schema": "string",
  "sqlStatements": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[awsSecretStoreArn \(p. 13\)](#)

The Amazon Resource Name (ARN) of the secret that enables access to the DB cluster.

Type: String

Length Constraints: Maximum length of 100.

Required: Yes

[database \(p. 13\)](#)

The name of the database.

Type: String

Length Constraints: Maximum length of 64.

Required: No

[dbClusterOrInstanceArn \(p. 13\)](#)

The ARN of the Aurora Serverless DB cluster.

Type: String

Length Constraints: Maximum length of 100.

Required: Yes

schema (p. 13)

The name of the database schema.

Type: String

Length Constraints: Maximum length of 64.

Required: No

sqlStatements (p. 13)

One or more SQL statements to run on the DB cluster.

You can separate SQL statements from each other with a semicolon (;). Any valid SQL statement is permitted, including data definition, data manipulation, and commit statements.

Type: String

Length Constraints: Maximum length of 65536.

Required: Yes

Response Syntax

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

{
  "sqlStatementResults": [
    {
      "numberOfRecordsUpdated": number,
      "resultFrame": {
        "records": [
          {
            "values": [
              {
                "arrayValues": [
                  "Value"
                ],
                "bigIntValue": number,
                "bitValue": boolean,
                "blobValue": blob,
                "doubleValue": number,
                "intValue": number,
                "isNull": boolean,
                "realValue": number,
                "stringValue": "string",
                "structValue": {
                  "attributes": [
                    "Value"
                  ]
                }
              }
            ]
          }
        ]
      },
      "resultSetMetadata": {
        "columnCount": number,
        "columnMetadata": [
          {
            "arrayBaseColumnType": number,
            "isAutoIncrement": boolean,
```

```
        "isCaseSensitive": boolean,  
        "isCurrency": boolean,  
        "isSigned": boolean,  
        "label": "string",  
        "name": "string",  
        "nullable": number,  
        "precision": number,  
        "scale": number,  
        "schemaName": "string",  
        "tableName": "string",  
        "type": number,  
        "typeName": "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.

[sqlStatementResults \(p. 14\)](#)

The results of the SQL statement or statements.

Type: Array of [SqlStatementResult \(p. 34\)](#) objects

Errors

BadRequestException

There is an error in the call or in a SQL statement.

HTTP Status Code: 400

ForbiddenException

There are insufficient privileges to make the call.

HTTP Status Code: 403

InternalServerErrorException

An internal error occurred.

HTTP Status Code: 500

ServiceUnavailableError

The service specified by the `resourceArn` parameter is not available.

HTTP Status Code: 503

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](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

ExecuteStatement

Runs a SQL statement against a database.

Important

If a call isn't part of a transaction because it doesn't include the `transactionID` parameter, changes that result from the call are committed automatically.

The response size limit is 1 MB or 1,000 records. If the call returns more than 1 MB of response data or over 1,000 records, the call is terminated.

Request Syntax

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

{
  "continueAfterTimeout": boolean,
  "database": "string",
  "includeResultMetadata": boolean,
  "parameters": [
    {
      "name": "string",
      "value": {
        "blobValue": blob,
        "booleanValue": boolean,
        "doubleValue": number,
        "isNull": boolean,
        "longValue": number,
        "stringValue": "string"
      }
    }
  ],
  "resourceArn": "string",
  "schema": "string",
  "secretArn": "string",
  "sql": "string",
  "transactionId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

continueAfterTimeout (p. 17)

A value that indicates whether to continue running the statement after the call times out. By default, the statement stops running when the call times out.

Important

For DDL statements, we recommend continuing to run the statement after the call times out. When a DDL statement terminates before it is finished running, it can result in errors and possibly corrupted data structures.

Type: Boolean

Required: No

database (p. 17)

The name of the database.

Type: String

Length Constraints: Maximum length of 64.

Required: No

includeResultMetadata (p. 17)

A value that indicates whether to include metadata in the results.

Type: Boolean

Required: No

parameters (p. 17)

The parameters for the SQL statement.

Type: Array of [SqlParameter \(p. 33\)](#) objects

Required: No

resourceArn (p. 17)

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

Type: String

Length Constraints: Maximum length of 100.

Required: Yes

schema (p. 17)

The name of the database schema.

Type: String

Length Constraints: Maximum length of 64.

Required: No

secretArn (p. 17)

The name or ARN of the secret that enables access to the DB cluster.

Type: String

Length Constraints: Maximum length of 100.

Required: Yes

sql (p. 17)

The SQL statement to run.

Type: String

Length Constraints: Maximum length of 65536.

Required: Yes

transactionId (p. 17)

The identifier of a transaction that was started by using the `BeginTransaction` operation. Specify the transaction ID of the transaction that you want to include the SQL statement in.

If the SQL statement is not part of a transaction, don't set this parameter.

Type: String

Length Constraints: Maximum length of 192.

Required: No

Response Syntax

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

{
  "columnMetadata": [
    {
      "arrayBaseColumnType": number,
      "isAutoIncrement": boolean,
      "isCaseSensitive": boolean,
      "isCurrency": boolean,
      "isSigned": boolean,
      "label": "string",
      "name": "string",
      "nullable": number,
      "precision": number,
      "scale": number,
      "schemaName": "string",
      "tableName": "string",
      "type": number,
      "typeName": "string"
    }
  ],
  "generatedFields": [
    {
      "blobValue": blob,
      "booleanValue": boolean,
      "doubleValue": number,
      "isNull": boolean,
      "longValue": number,
      "stringValue": "string"
    }
  ],
  "numberOfRecordsUpdated": number,
  "records": [
    [
      {
        "blobValue": blob,
        "booleanValue": boolean,
        "doubleValue": number,
        "isNull": boolean,
        "longValue": number,
        "stringValue": "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.

columnMetadata (p. 19)

Metadata for the columns included in the results.

Type: Array of [ColumnMetadata](#) (p. 26) objects

generatedFields (p. 19)

Values for fields generated during the request.

Type: Array of [Field](#) (p. 28) objects

numberOfRecordsUpdated (p. 19)

The number of records updated by the request.

Type: Long

records (p. 19)

The records returned by the SQL statement.

Type: Array of arrays of [Field](#) (p. 28) objects

Errors

BadRequestException

There is an error in the call or in a SQL statement.

HTTP Status Code: 400

ForbiddenException

There are insufficient privileges to make the call.

HTTP Status Code: 403

InternalServerErrorException

An internal error occurred.

HTTP Status Code: 500

ServiceUnavailableError

The service specified by the `resourceArn` parameter is not available.

HTTP Status Code: 503

StatementTimeoutException

The execution of the SQL statement timed out.

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](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

RollbackTransaction

Performs a rollback of a transaction. Rolling back a transaction cancels its changes.

Request Syntax

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

{
  "resourceArn": "string",
  "secretArn": "string",
  "transactionId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[resourceArn \(p. 22\)](#)

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

Type: String

Length Constraints: Maximum length of 100.

Required: Yes

[secretArn \(p. 22\)](#)

The name or ARN of the secret that enables access to the DB cluster.

Type: String

Length Constraints: Maximum length of 100.

Required: Yes

[transactionId \(p. 22\)](#)

The identifier of the transaction to roll back.

Type: String

Length Constraints: Maximum length of 192.

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json  
  
{  
  "transactionStatus": "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.

transactionStatus (p. 22)

The status of the rollback operation.

Type: String

Length Constraints: Maximum length of 128.

Errors

BadRequestException

There is an error in the call or in a SQL statement.

HTTP Status Code: 400

ForbiddenException

There are insufficient privileges to make the call.

HTTP Status Code: 403

InternalServerErrorException

An internal error occurred.

HTTP Status Code: 500

NotFoundException

The `resourceArn`, `secretArn`, or `transactionId` value can't be found.

HTTP Status Code: 404

ServiceUnavailableError

The service specified by the `resourceArn` parameter is not available.

HTTP Status Code: 503

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](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

Data Types

The AWS RDS DataService 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:

- [ColumnMetadata](#) (p. 26)
- [Field](#) (p. 28)
- [Record](#) (p. 30)
- [ResultFrame](#) (p. 31)
- [ResultSetMetadata](#) (p. 32)
- [SqlParameter](#) (p. 33)
- [SqlStatementResult](#) (p. 34)
- [StructValue](#) (p. 35)
- [UpdateResult](#) (p. 36)
- [Value](#) (p. 37)

ColumnMetadata

Contains the metadata for a column.

Contents

arrayBaseColumnType

The type of the column.

Type: Integer

Required: No

isAutoIncrement

A value that indicates whether the column increments automatically.

Type: Boolean

Required: No

isCaseSensitive

A value that indicates whether the column is case-sensitive.

Type: Boolean

Required: No

isCurrency

A value that indicates whether the column contains currency values.

Type: Boolean

Required: No

isSigned

A value that indicates whether an integer column is signed.

Type: Boolean

Required: No

label

The label for the column.

Type: String

Required: No

name

The name of the column.

Type: String

Required: No

nullable

A value that indicates whether the column is nullable.

Type: Integer

Required: No

precision

The precision value of a decimal number column.

Type: Integer

Required: No

scale

The scale value of a decimal number column.

Type: Integer

Required: No

schemaName

The name of the schema that owns the table that includes the column.

Type: String

Required: No

tableName

The name of the table that includes the column.

Type: String

Required: No

type

The type of the column.

Type: Integer

Required: No

typeName

The database-specific data type of the column.

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 Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

Field

Contains a value.

Contents

blobValue

A value of BLOB data type.

Type: Base64-encoded binary data object

Required: No

booleanValue

A value of Boolean data type.

Type: Boolean

Required: No

doubleValue

A value of double data type.

Type: Double

Required: No

isNull

A NULL value.

Type: Boolean

Required: No

longValue

A value of long data type.

Type: Long

Required: No

stringValue

A value of string data type.

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 Go](#)
- [AWS SDK for Java](#)

- [AWS SDK for Ruby V2](#)

Record

A record returned by a call.

Contents

values

The values returned in the record.

Type: Array of [Value \(p. 37\)](#) objects

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 Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

ResultFrame

The result set returned by a SQL statement.

Contents

records

The records in the result set.

Type: Array of [Record \(p. 30\)](#) objects

Required: No

resultSetMetadata

The result-set metadata in the result set.

Type: [ResultSetMetadata \(p. 32\)](#) 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 Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

ResultSetMetadata

The metadata of the result set returned by a SQL statement.

Contents

columnCount

The number of columns in the result set.

Type: Long

Required: No

columnMetadata

The metadata of the columns in the result set.

Type: Array of [ColumnMetadata](#) (p. 26) objects

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 Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

SqlParameter

A parameter used in a SQL statement.

Contents

name

The name of the parameter.

Type: String

Required: No

value

The value of the parameter.

Type: [Field \(p. 28\)](#) 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 Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

SqlStatementResult

The result of a SQL statement.

Contents

numberOfRecordsUpdated

The number of records updated by a SQL statement.

Type: Long

Required: No

resultFrame

The result set of the SQL statement.

Type: [ResultFrame \(p. 31\)](#) 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 Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

StructValue

A structure value returned by a call.

Contents

attributes

The attributes returned in the record.

Type: Array of [Value \(p. 37\)](#) objects

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 Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

UpdateResult

The response elements represent the results of an update.

Contents

generatedFields

Values for fields generated during the request.

Type: Array of [Field \(p. 28\)](#) objects

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 Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

Value

Contains the value of a column.

Contents

arrayValues

An array of column values.

Type: Array of [Value \(p. 37\)](#) objects

Required: No

bigIntValue

A value for a column of big integer data type.

Type: Long

Required: No

bitValue

A value for a column of BIT data type.

Type: Boolean

Required: No

blobValue

A value for a column of BLOB data type.

Type: Base64-encoded binary data object

Required: No

doubleValue

A value for a column of double data type.

Type: Double

Required: No

intValue

A value for a column of integer data type.

Type: Integer

Required: No

isNull

A NULL value.

Type: Boolean

Required: No

realValue

A value for a column of real data type.

Type: Float

Required: No

stringValue

A value for a column of string data type.

Type: String

Required: No

structValue

A value for a column of STRUCT data type.

Type: [StructValue \(p. 35\)](#) 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 Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)