

MSSQL CRUD

In this post, we will look at, how we can perform CRUD operation on MSSQL Database.

Assumptions:

1. vutil is installed.
2. MSSQL connection is configured in the config.json file in vutil directory.

First create a test case which will fire a HTTP request on vutil server to validate the database state:

The screenshot shows a REST client interface with the following details:

- Title:** 1. MSSQL DB Validation via vREST
- Method:** POST
- URL:** `{{baseURL}}/execute/dbquery/{{connectionName}}`
- Description:** Here `{{baseURL}}` is the base URL of the vutil server and `{{connectionName}}` is the name of mssql connection which is configured in config.json file in vutil directory.
- Method:** POST
- Condition:** Empty
- External Id:** Empty
- Loop source:** Empty
- Versions:** Empty
- Authorization:** Empty
- Tags:** mssql
- Wait for seconds:** Empty

CRUD Operations:

1. Insert Query

Insert query can be specified as shown in the following screenshot:

The screenshot shows a REST client interface with the following details:

- Title:** 2. MSSQL: Insert Query
- Method:** POST
- URL:** `{{baseURL}}/execute/dbquery/{{connectionName}}`
- Parameters:**

Name	Description	Field Type	Parameter Type	Value
connectionName		string	path	mssql
query		string	body	INSERT INTO Persons values(1, "Doe", "John", "Optimizory", "India");

2. Select Query

Select query can be specified as shown in the following screenshot:

The screenshot shows a REST client interface with the following details:

- Title:** 5. MSSQL: Select Query
- Method:** POST
- URL:** `{{baseURL}}/execute/dbquery/{{connectionName}}`
- Parameters:**

Name	Description	Field Type	Parameter Type	Value
connectionName		string	path	mssql
query		string	body	SELECT * FROM persons ORDER BY PersonID OFFSET 0 ROWS FETCH NEXT 5 ROWS ONLY;

3. Update Query

Update query can be specified as shown in the following screenshot:

3. MSSQL: Update Query

POST {{baseURL}}/execute/dbquery/{{connectionName}}

Details Request Response Validation Results Variable Extractor

Parameters Raw Body Headers

New Delete Copy Paste Bulk Operation Generate Test Cases

Name	Description	Field Type	Parameter Type	Value
connectionName		string	path	mssql
query		string	body	update persons set LastName = ' ' where PersonID = 1;

4. Delete Query

Delete query can be specified as shown in the following screenshot:

4. MSSQL: Delete Query

POST {{baseURL}}/execute/dbquery/{{connectionName}}

Details Request Response Validation Results Variable Extractor

Parameters Raw Body Headers

New Delete Copy Paste Bulk Operation Generate Test Cases

Name	Description	Field Type	Parameter Type	Value
connectionName		string	path	mssql
query		string	body	delete from persons where PersonID = 1;