Find User Defined Function (UDF) By Its Name Or Partial Name

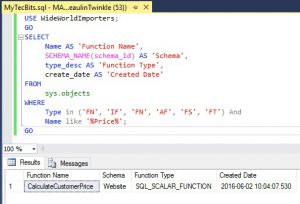
Using Transact-SQL Statements

To find a user defined function by its full name or part of the name, you can use transact SQL statements against the system tables like **sys.objects**, **sys.procedures**, **Information\_Schema.Routines** or **syscomments**.

1. Using Sys.Objects

Using the sys.objects system view you can get list of UDFs by filtering the object type. In order to search for a specific UDF by its name, use the **name** column of sys.object.

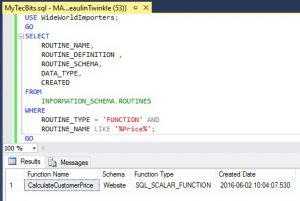
|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13 | USE WideWorldImporters;  GO  SELECT       Name AS 'Function Name',       SCHEMA\_NAME(schema\_id) AS 'Schema',       type\_desc AS 'Function Type',       create\_date AS 'Created Date'  FROM       sys.objects  WHERE       Type in ('FN', 'IF', 'FN', 'AF', 'FS', 'FT') And       Name like '%Price%';  GO |

[](http://www.mytecbits.com/wp-content/uploads/SQL-Server-Find-User-Defined-Function-01.jpg)

2. Using Information\_Schema.Routines

Using Information\_Schema.Routines, you can filter the UDFs with the Routine\_Name column. Here is the sample query.

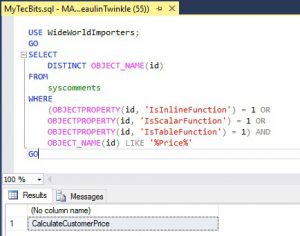
|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14 | USE WideWorldImporters;  GO  SELECT      ROUTINE\_NAME,      ROUTINE\_DEFINITION ,      ROUTINE\_SCHEMA,      DATA\_TYPE,      CREATED  FROM      INFORMATION\_SCHEMA.ROUTINES  WHERE      ROUTINE\_TYPE = 'FUNCTION' AND      ROUTINE\_NAME LIKE '%Price%';  GO |

[](http://www.mytecbits.com/wp-content/uploads/SQL-Server-Find-User-Defined-Function-02.jpg)

3. Using Syscomments

In Syscomments, you can filter the UDFs using the OBJECT\_NAME and OBJECTPROPERTY functions. Below the sample code.

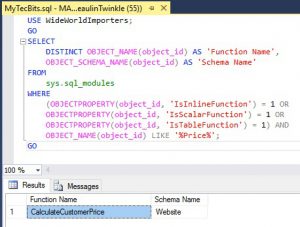
|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12 | USE WideWorldImporters;  GO  SELECT      DISTINCT OBJECT\_NAME(id)  FROM      syscomments  WHERE      (OBJECTPROPERTY(id, 'IsInlineFunction') = 1 OR      OBJECTPROPERTY(id, 'IsScalarFunction') = 1 OR      OBJECTPROPERTY(id, 'IsTableFunction') = 1) AND      OBJECT\_NAME(id) LIKE '%Price%'  GO |

[](http://www.mytecbits.com/wp-content/uploads/SQL-Server-Find-User-Defined-Function-03.jpg)

4. Using Sys.Sql\_modules

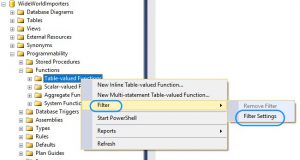
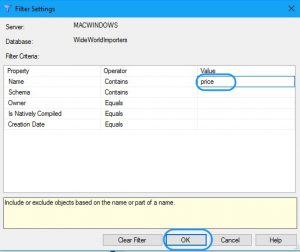
Just like Syscomments you can use Sys.sql\_modules system catalog view as well. Here is the sample query.

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13 | USE WideWorldImporters;  GO  SELECT      DISTINCT OBJECT\_NAME(object\_id) AS 'Function Name',      OBJECT\_SCHEMA\_NAME(object\_id) AS 'Schema Name'  FROM      sys.sql\_modules  WHERE      (OBJECTPROPERTY(object\_id, 'IsInlineFunction') = 1 OR      OBJECTPROPERTY(object\_id, 'IsScalarFunction') = 1 OR      OBJECTPROPERTY(object\_id, 'IsTableFunction') = 1) AND      OBJECT\_NAME(object\_id) LIKE '%Price%';  GO |

[](http://www.mytecbits.com/wp-content/uploads/SQL-Server-Find-User-Defined-Function-04.jpg)

Using Filter Settings In SSMS Object Explorer GUI

Yet another easiest way to find the user defined function by its partial name is using the SQL Server Management Studio (SSMS) Object Explorer window’s filter settings. In case if you are not familiar with this method, just follow the below steps.

1. In the Object Explorer in SQL Server Management Studio, go to the database and expand it.
2. Expand the Programmability folder.
3. Expand the Functions folder. Under the function folder, you can find sub folders for each type of UDF.
4. Right click one of the folders and select Filter >> Filter Settings.  
   [](http://www.mytecbits.com/wp-content/uploads/SQL-Server-Find-User-Defined-Function-05.jpg)
5. In the filter settings window, enter the partial name of the function against the Name property. Click OK.  
   [](http://www.mytecbits.com/wp-content/uploads/SQL-Server-Find-User-Defined-Function-06.jpg)
6. In the Function type dub folder, only the UDFs containing the name will be listed.

You may be interested in [finding UDFs having text or table or column name](http://www.mytecbits.com/microsoft/sql-server/find-user-defined-function-containing-text-table-name).

Reference

* Multiple [methods to search and find stored procedures](http://www.mytecbits.com/microsoft/sql-server/search-find-stored-procedure) in SQL Server.