

Find Database Table information

07/19/2024 10:58 am EDT

Description of Issue:

How can we find the information on the tables and columns in the database?

Resolution:

We do not have a full Database Reference Manual, but the table information can be seen if you have access to SQL Server Management Server. The script below can be used to see the tables, columns, and other information related to the database. This can also be run from the SQL Window in Sedona Office.

```
SELECT
  DB_NAME() AS [Sedona_Database],
  OBJECT_SCHEMA_NAME(TBL.[object_id],DB_ID()) AS [Schema],
  TBL.[name] AS [Table name],
  AC.[name] AS [Column name],
  UPPER(TY.[name]) AS DataType,
  AC.[max_length] AS [Length],
  AC.[precision],
  AC.[scale],
  AC.[is_nullable] AS IsNullable,
  ISNULL(SI.is_primary_key,0) AS IsPrimaryKey,
  SKC.name as [Primary Key Constarint],
  (CASE WHEN SIC.index_column_id > 0 THEN 1 ELSE 0 END) AS IsIndexed,
  ISNULL(is_included_column, 0) AS IsIncludedIndex,
  SI.name AS [Index Name],
  OBJECT_NAME(SFC.constraint_object_id) as [Foreign Key Constraint],
  OBJECT_NAME(SFC.referenced_object_id) as [Parent Table],
  SDC.name AS [Default Constraint],
  SEP.value AS Comments
FROM sys.tables AS TBL
INNER JOIN sys.all_columns AC ON TBL.[object_id] = AC.[object_id]
INNER JOIN sys.types TY ON AC.[system_type_id] = TY.[system_type_id] AND AC.
[user_type_id] = TY.[user_type_id]
LEFT JOIN sys.index_columns SIC on sic.object_id = TBL.object_id AND AC.column_id = SIC.column_id
LEFT JOIN sys.indexes SI on SI.object_id = TBL.object_id AND SIC.index_id = SI.index_id
LEFT JOIN sys.foreign_key_columns SFC on SFC.parent_object_id = TBL.object_id AND SFC.parent_column_id = AC.column_id

LEFT JOIN sys.key_constraints SKC on skc.parent_object_id = TBL.object_id AND SIC.index_column_id = SKC.unique_index_id

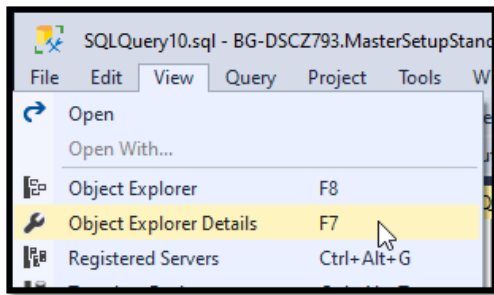
LEFT JOIN sys.default_constraints SDC on SDC.parent_column_id = AC.column_id
LEFT JOIN sys.extended_properties SEP on SEP.major_id = TBL.object_id AND SEP.minor_id = AC.column_id
ORDER BY TBL.[name], AC.[column_id]

--If looking for a specific table you can add a Where clause to filter by the table name.

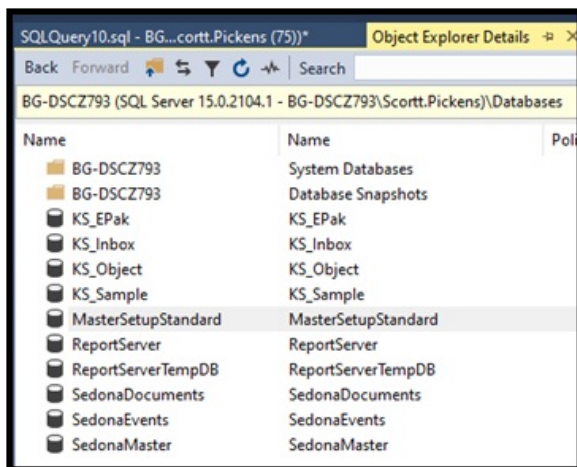
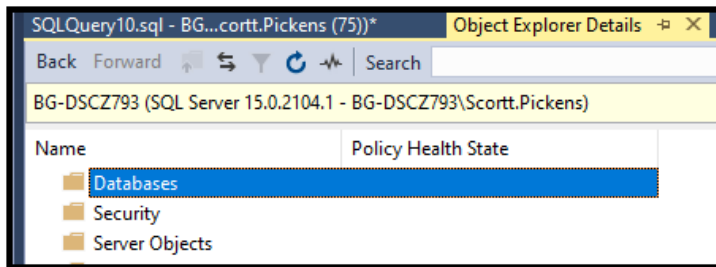
--Where tbl.name ='WS_Setup'
```

You can also see the details of the table from within SQL Server Management Studio.

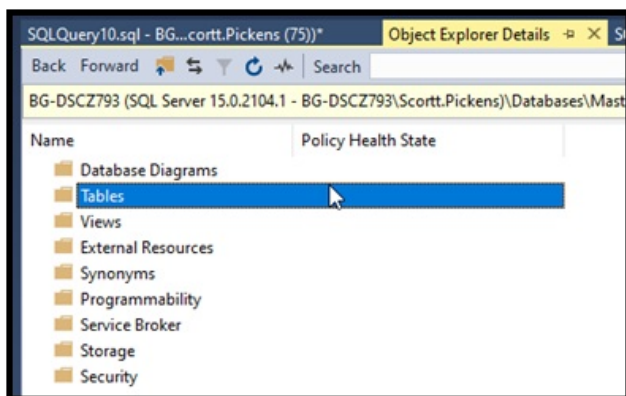
Open SSMS and after connecting click View and select the Object Explorer Details.



You can double-click to expand the database list.



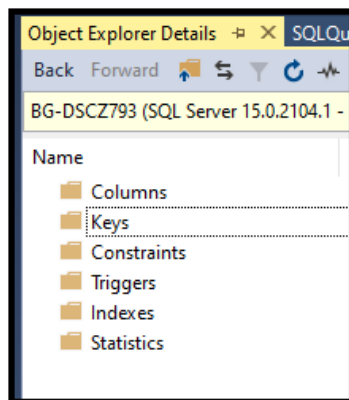
In the Database, you can expand the Tables.



Once in the table list, you can double-click on a table to get to the details like columns, indexes, constraints, and other

information.

AP_Comdata_virtualCard_Activity	dbo
AP_Company_Aging	dbo
AP_Credit	dbo
AP_Credit_Detail	dbo
AP_Credit_Expense	dbo
AP_Credit_Parts	dbo
AP_Invoice	dbo



You can see the column properties.

Object Explorer Details - SQLQuery10.sql - BG...cortt.Pickens (75))* SQLQuery7.sql - BG-...cortt.Pickens (58)* SQLQuery2.sql - BG-...cortt.Pickens (74)*

Back Forward Search

BG-DSCZ793 (SQL Server 15.0.2104.1 - BG-DSCZ793\Scott.Pickens)

Name

- Credit_Date (datetime, null)
- Category_Id (int, null)
- AP_Account_Id (int, null)
- Amount (money, null)
- Amount_Used (money, null)
- Balance (money, null)
- Memo (nvarchar(255), null)
- Register_Id (int, null)
- Branch_Id (int, null)
- Warehouse_Id (int, null)
- Job_Id (int, null)
- Service_Ticket_Id (int, null)
- GST_Rate (money, null)
- GST_Amount (money, null)
- GST_Register_Id (int, null)
- Purchase_Order_Id (int, null)
- Repair_Order_Id (int, null)
- Part_Total (money, null)
- Expense_Total (money, null)
- Posting_Date (datetime, null)
- Currency_Id (int, not null)
- Exchange_Rate (money, not null)
- GST_Branch_Amount (money, null)
- Manual_GST (nvarchar(1), null)

AP_Account_Id (int, null)

Select a page

- General
- Extended Properties

Script ? Help

Name	AP_Account_Id
Data Type	int
System Type	int
Primary Key	False
Allow Nulls	True
Is Computed	False
Computed text	
Identity	False
Identity Seed	0
Identity Increment	0
Default Binding	
Default Schema	
Rule	
Rule Schema	
Length	4
Collation	
Numeric Precision	10
Numeric Scale	0
XML Schema Namespace	
XML Schema Namespace schema	
Is Sparse	False
Is Column Set	False
Statistical Semantics	False
Is Hidden	False
GeneratedAlways Type	None
Full Text	False
Not For Replication	False

Connection

Server: BG-DSCZ793

Connection: BG-DSCZ793\Scott.Pickens

[View connection properties](#)

Progress

Ready

Name

The column's name.

Indexes on the table can be seen and rebuilt if needed.

