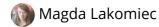


All articles Metadata Management Database Design & Metadata Application Metadata Metadata Tools **Products and News**

6 Useful SQL Server Data Dictionary **Queries Every DBA Should Have**



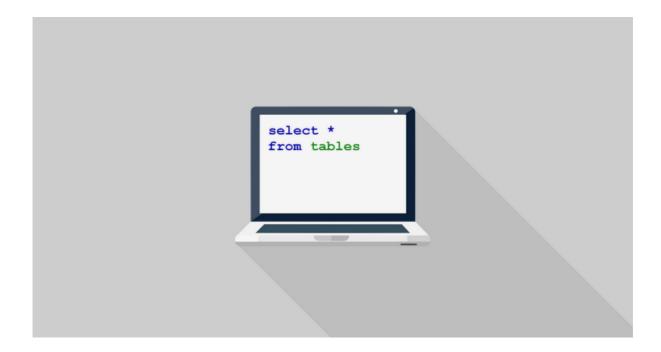


Table of Contents:

- 1. List of tables with number of rows and comments
- 2. List of views with definition and comments
- 3. Table columns details
- 4. Foreign keys
- 5. Views columns
- 6. Tables by number of columns

This is a list of handy SQL queries to the SQL Server data dictionary. You can also find 100+ other useful queries here.



comments and number of rows in each table.

Query

```
select schema_name(tab.schema_id) as schema_name,
      tab.name as table_name,
      tab.create_date as created,
      tab.modify_date as last_modified,
       p.rows as num_rows,
       ep.value as comments
 from sys.tables tab
       inner join (select distinct
                          p.object_id,
                          sum(p.rows) rows
                     from sys.tables t
                          inner join sys.partitions p
                              on p.object_id = t.object_id
                    group by p.object_id,
                          p.index_id) p
            on p.object_id = tab.object_id
        left join sys.extended_properties ep
            on tab.object_id = ep.major_id
           and ep.name = 'MS_Description'
           and ep.minor_id = 0
           and ep.class_desc = 'OBJECT_OR_COLUMN'
 order by schema_name,
       table_name
```

Rows

One row represents one table. All tables will be included.

Columns

| Column | Meaning |
|---------------|--|
| SCHEMA_NAME | Schema name. |
| TABLE_NAME | Table name. |
| CREATED | Table creation date and time. |
| LAST_MODIFIED | Table last modification date and time. |



Sample results

| schema_name | table_name | created | last_modified | num_rows | comments |
|----------------|-----------------------------|-------------------------|-------------------------|----------|--|
| dbo | AWBuildVersion | 2012-03-14 13:14:19.160 | 2012-03-14 13:14:41.110 | 1 | Current version number of the AdventureWorks 2012 sample d |
| dbo | DatabaseLog | 2012-03-14 13:14:18.743 | 2012-03-14 13:14:41.370 | 1597 | Audit table tracking all DDL changes made to the AdventureW |
| dbo | ErrorLog | 2012-03-14 13:14:18.787 | 2012-03-14 13:14:18.813 | 0 | Audit table tracking errors in the the AdventureWorks database |
| dbo | sysdiagrams | 2015-07-22 14:39:56.290 | 2015-07-22 14:39:56.290 | 0 | NULL |
| HumanResources | Department | 2012-03-14 13:14:19.267 | 2012-03-14 13:14:54.170 | 16 | Lookup table containing the departments within the Adventure |
| HumanResources | Employee | 2017-03-22 15:26:58.260 | 2017-03-22 15:27:05.030 | 290 | Employee information such as salary, department, and title. |
| HumanResources | Employee Department History | 2012-03-14 13:14:19.313 | 2017-03-22 15:26:58.777 | 296 | Employee department transfers. |
| HumanResources | EmployeePayHistory | 2012-03-14 13:14:19.320 | 2017-03-22 15:26:58.760 | 316 | Employee pay history. |
| HumanResources | JobCandidate | 2012-03-14 13:14:19.337 | 2017-03-22 15:26:58.743 | 13 | Résumés submitted to Human Resources by job applicants. |
| HumanResources | Shift | 2012-03-14 13:14:19.593 | 2012-03-14 13:14:54.170 | 3 | Work shift lookup table. |
| Person | Address | 2012-03-14 13:14:19.140 | 2012-03-14 13:14:54.737 | 19614 | Street address information for customers, employees, and vend |
| Person | AddressType | 2012-03-14 13:14:19.150 | 2012-03-14 13:14:53.930 | 6 | Types of addresses stored in the Address table. |
| Person | BusinessEntity | 2012-03-14 13:14:19.183 | 2012-03-14 13:14:55.187 | 20777 | Source of the ID that connects vendors, customers, and emplo |
| Person | Business Entity Address | 2012-03-14 13:14:19.190 | 2012-03-14 13:14:53.927 | 19614 | Cross-reference table mapping customers, vendors, and emplo |
| Person | BusinessEntityContact | 2012-03-14 13:14:19.197 | 2012-03-14 13:14:53.977 | 909 | Cross-reference table mapping stores, vendors, and employees |

2. List of views with definition and comments

This query returns list of database views with their definition SQL and a comment.

```
select schema_name(v.schema_id) as schema_name,
      v.name as view_name,
      v.create_date as created,
      v.modify_date as last_modified,
      m.definition,
      ep.value as comments
 from sys.views v
       left join sys.extended_properties ep
           on v.object_id = ep.major_id
          and ep.name = 'MS_Description'
          and ep.minor_id = 0
          and ep.class_desc = 'OBJECT_OR_COLUMN'
       inner join sys.sql_modules m
          on m.object_id = v.object_id
order by schema_name,
          view_name
```

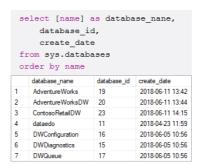


Columns

| Column | Meaning |
|---------------|---------------------------------------|
| SCHEMA_NAME | Schema name. |
| VIEW_NAME | View name. |
| CREATED | View creation date and time. |
| LAST_MODIFIED | View last modification date and time. |
| DEFINITION | View definition (SQL query). |
| COMMENTS | View comments. |

Sample results

| schema_name | view_name | created | last_modified | definition | comments |
|-----------------|-------------------------------------|-------------------------|-------------------------|--|---|
| Human Resources | vEmployee | 2012-03-14 13:14:55.463 | 2012-03-14 13:14:55.463 | CREATE VIEW [HumanResources].[vEmployee] AS S | Employee names and addresses. |
| Human Resources | vEmployeeDepartment | 2012-03-14 13:14:55.470 | 2012-03-14 13:14:55.470 | CREATE VIEW [HumanResources].[vEmployeeDepartm | Returns employee name, title, and current department. |
| Human Resources | vEmployeeDepartmentHistory | 2012-03-14 13:14:55.473 | 2012-03-14 13:14:55.473 | CREATE VIEW [HumanResources].[vEmployeeDepartm | Returns employee name and current and previous de |
| Human Resources | vJobCandidate | 2012-03-14 13:14:55.513 | 2012-03-14 13:14:55.513 | CREATE VIEW [HumanResources].[vJobCandidate] A | Job candidate names and resumes. |
| Human Resources | vJobCandidateEducation | 2012-03-14 13:14:55.550 | 2012-03-14 13:14:55.550 | CREATE VIEW [HumanResources].[vJobCandidateEduc | Displays the content from each education related ele |
| Human Resources | vJobCandidateEmployment | 2012-03-14 13:14:55.530 | 2012-03-14 13:14:55.530 | CREATE VIEW [HumanResources].[vJobCandidateEmpl | Displays the content from each employement history r |
| Person | v Additional Contact Info | 2012-03-14 13:14:55.457 | 2012-03-14 13:14:55.457 | CREATE VIEW [Person].[vAdditionalContactInfo] AS | Displays the contact name and content from each ele |
| Person | vStateProvinceCountryRegion | 2012-03-14 13:14:55.637 | 2012-03-14 13:14:55.647 | CREATE VIEW [Person].[vStateProvinceCountryRegion] | Joins StateProvince table with CountryRegion table. |
| Production | vProductAndDescription | 2012-03-14 13:14:55.557 | 2012-03-14 13:14:55.580 | CREATE VIEW [Production].[vProductAndDescription] | Product names and descriptions. Product descriptions |
| Production | v Product Model Catalog Description | 2012-03-14 13:14:55.610 | 2012-03-14 13:14:55.610 | CREATE VIEW [Production].[vProductModelCatalogDes | Displays the content from each element in the xml col |
| Production | vProductModelInstructions | 2012-03-14 13:14:55.623 | 2012-03-14 13:14:55.623 | CREATE VIEW [Production].[vProductModelInstructions] | Displays the content from each element in the xml col |
| Purchasing | vVendorWithAddresses | 2012-03-14 13:14:55.673 | 2012-03-14 13:14:55.673 | CREATE VIEW [Purchasing].[vVendorWithAddresses] A | Vendor (company) names and addresses . |
| Purchasing | vVendorWithContacts | 2012-03-14 13:14:55.670 | 2012-03-14 13:14:55.670 | CREATE VIEW [Purchasing].[vVendorWithContacts] AS | Vendor (company) names and the names of vendor e |
| Sales | vIndividualCustomer | 2012-03-14 13:14:55.477 | 2012-03-14 13:14:55.477 | CREATE VIEW [Sales].[vIndividualCustomer] AS SEL | Individual customers (names and addresses) that purc |
| Sales | vPersonDemographics | 2012-03-14 13:14:55.493 | 2012-03-14 13:14:55.493 | CREATE VIEW [Sales].[vPersonDemographics] AS S | Displays the content from each element in the xml col |
| | | | | | |



Catalog of SQL Server queries

Browse a catalog of free SQL queries to help you explore SQL Server database schema.

BROWSE QUERIES



```
select schema_name(tab.schema_id) as schema_name,
       tab.name as table_name,
       col.name as column_name,
       t.name as data_type,
       t.name +
       case when t.is_user_defined = 0 then
                 isnull('(' +
                 case when t.name in ('binary', 'char', 'nchar',
                            'varchar', 'nvarchar', 'varbinary') then
                           case col.max_length
                                when -1 then 'MAX'
                                else
                                      case when t.name in ('nchar',
                                                'nvarchar') then
                                                cast(col.max_length/2
                                                as varchar(4))
                                           else cast(col.max_length
                                                as varchar(4))
                                      end
                      when t.name in ('datetime2', 'datetimeoffset',
                            'time') then
                           cast(col.scale as varchar(4))
                      when t.name in ('decimal', 'numeric') then
                            cast(col.precision as varchar(4)) + ', ' +
                            cast(col.scale as varchar(4))
                 end + ')', '')
            else ':' +
                 (select c_t.name +
                         isnull('(' +
                         case when c_t.name in ('binary', 'char',
                                    'nchar', 'varchar', 'nvarchar',
                                    'varbinary') then
                                    case c.max_length
                                          when -1 then 'MAX'
                                          else
                                               case when t.name in
                                                         ('nchar',
                                                         'nvarchar') then
                                                         cast(c.max length/2
                                                         as varchar(4))
```



```
when c_t.name in ('datetime2',
                                 'datetimeoffset', 'time') then
                                cast(c.scale as varchar(4))
                           when c_t.name in ('decimal', 'numeric') then
                                cast(c.precision as varchar(4)) + ', '
                                + cast(c.scale as varchar(4))
                      end + ')', '')
                 from sys.columns as c
                      inner join sys.types as c_t
                          on c.system_type_id = c_t.user_type_id
                where c.object_id = col.object_id
                  and c.column_id = col.column_id
                  and c.user_type_id = col.user_type_id
              )
     end as data_type_ext,
     case when col.is nullable = 0 then 'N'
          else 'Y' end as nullable,
     case when def.definition is not null then def.definition
          else '' end as default_value,
     case when pk.column_id is not null then 'PK'
          else '' end as primary key,
     case when fk.parent_column_id is not null then 'FK'
          else '' end as foreign_key,
     case when uk.column_id is not null then 'UK'
          else '' end as unique key,
     case when ch.check_const is not null then ch.check_const
          else '' end as check contraint,
     cc.definition as computed_column_definition,
     ep.value as comments
from sys.tables as tab
     left join sys.columns as col
         on tab.object id = col.object id
     left join sys.types as t
         on col.user type id = t.user type id
     left join sys.default_constraints as def
         on def.object_id = col.default_object_id
     left join (
               select index_columns.object_id,
                      index columns.column id
                 from sys.index_columns
                      inner join sys.indexes
                          on index_columns.object_id = indexes.object_id
                         and index columns.index id = indexes.index id
                where indexes.is_primary_key = 1
               ) as pk
```



```
fc.parent_object_id
                  from sys.foreign_keys as f
                       inner join sys.foreign_key_columns as fc
                           on f.object_id = fc.constraint_object_id
                 group by fc.parent_column_id, fc.parent_object_id
                ) as fk
          on fk.parent_object_id = col.object_id
         and fk.parent column id = col.column id
      left join (
                select c.parent_column_id,
                       c.parent_object_id,
                       'Check' check_const
                  from sys.check_constraints as c
                 group by c.parent_column_id,
                       c.parent_object_id
                ) as ch
          on col.column_id = ch.parent_column_id
         and col.object_id = ch.parent_object_id
      left join (
                select index columns.object_id,
                       index columns.column id
                  from sys.index_columns
                       inner join sys.indexes
                           on indexes.index id = index columns.index id
                          and indexes.object_id = index_columns.object_id
                  where indexes.is_unique_constraint = 1
                  group by index_columns.object_id,
                        index_columns.column_id
                ) as uk
          on col.column id = uk.column id
         and col.object_id = uk.object_id
      left join sys.extended properties as ep
          on tab.object_id = ep.major_id
         and col.column id = ep.minor id
         and ep.name = 'MS_Description'
         and ep.class_desc = 'OBJECT_OR_COLUMN'
      left join sys.computed columns as cc
          on tab.object_id = cc.object_id
         and col.column id = cc.column id
order by schema_name,
     table_name,
      column_name;
```



Columns

| Column | Meaning |
|----------------------------|---|
| SCHEMA_NAME | Schema name. |
| TABLE_NAME | Table name. |
| COLUMN_NAME | Column name. |
| DATA_TYPE | Data type. For instance, varchar or decimal. |
| DATA_TYPE_EXT | Data type with information about scale/precision or string length. For instance, varchar(100) or decimal(8, 2). |
| NULLABLE | Nullable flag. "Y" if column is nullable, "N" if column is not nullable. |
| DEFAULT_VALUE | Column default value. |
| PRIMARY_KEY | Primary key flag. "PK" when column is part of table primary key. |
| FOREIGN_KEY | Foreign key flag. "FK" when column is part of foreign key. |
| UNIQUE_KEY | Unique key flag. "UK" when column is part of unique key. |
| CHECK_CONSTRAINT | Check constraint flag. "Check" when column is part of check constraint. |
| COMPUTED_COLUMN_DEFINITION | Computed column definition (not null only if column is computed). |
| COMMENTS | Column comments. |

Sample results

| schema_name | table_name | column_name | data_type | data_type_ext | nullable | default_value | primary_key | foreign_key | unique_key | check_contraint | computed_column_definition | comments |
|-------------|-----------------|----------------|-----------|---------------|----------|---------------|-------------|-------------|------------|-----------------|----------------------------|---|
| Production | BillOfMaterials | PerAssemblyQty | decimal | decimal(8, 2) | N | ((1.00)) | | | | Check | NULL | Quantity of the component needed to create the ass |
| Production | BillOfMaterials | ProductAsse | int | int | Y | | | FK | | | NULL | Parent product identification number. Foreign key to |
| Production | BillOfMaterials | StartDate | datetime | datetime | N | (getdate()) | | | | | NULL | Date the component started being used in the asse |
| Production | BillOfMaterials | UnitMeasureC | nchar | nchar(3) | N | | | FK | | | NULL | Standard code identifying the unit of measure for the |
| Production | Culture | CultureID | nchar | nchar(6) | N | | PK | | | | NULL | Primary key for Culture records. |
| Production | Culture | Modified Date | datetime | datetime | N | (getdate()) | | | | | NULL | Date and time the record was last updated. |
| Production | Culture | Name | Name | Name:nvar | N | | | | | | NULL | Culture description. |
| Production | Document | ChangeNumber | int | int | N | ((0)) | | | | | NULL | Engineering change approval number. |
| Production | Document | Document | varbinary | varbinary(M | Y | | | | | | NULL | Complete document. |
| Production | Document | DocumentLevel | smallint | smallint | Y | | | | | | ([DocumentNode].[GetLe | Depth in the document hierarchy. |
| Production | Document | DocumentNode | hierarc | hierarchyid | N | | PK | | | | NULL | Primary key for Document records. |
| Production | Document | DocumentSu | nvarchar | nvarchar(M | Y | | | | | | NULL | Document abstract. |
| Production | Document | FileExtension | nvarchar | nvarchar(8) | N | | | | | | NULL | File extension indicating the document type. For exa |
| Production | Document | FileName | nvarchar | nvarchar(4 | N | | | | | | NULL | File name of the document |
| Production | Document | FolderFlag | bit | bit | N | ((0)) | | | | | NULL | 0 = This is a folder, 1 = This is a document. |
| Production | Document | Modified Date | datetime | datetime | N | (getdate()) | | | | | NULL | Date and time the record was last updated. |



Query

```
select schema name(tab.schema_id) as table schema_name,
       tab.name as table name,
       col.name as column_name,
       fk.name as constraint name,
       schema name(tab prim.schema id) as primary table schema name,
       tab prim.name as primary table name,
       col_prim.name as primary_table_column,
       schema_name(tab.schema_id) + '.' + tab.name + '.' +
            col.name + ' = ' + schema name(tab prim.schema id) + '.' +
            tab_prim.name + '.' + col_prim.name as join_condition,
       case
            when count(*) over (partition by fk.name) > 1 then 'Y'
            else 'N'
       end as complex fk,
       fkc.constraint_column_id as fk_part
 from sys.tables as tab
       inner join sys.foreign_keys as fk
           on tab.object_id = fk.parent_object_id
       inner join sys.foreign_key_columns as fkc
           on fk.object_id = fkc.constraint_object_id
       inner join sys.columns as col
           on fkc.parent_object_id = col.object_id
          and fkc.parent_column_id = col.column_id
       inner join sys.columns as col prim
           on fkc.referenced object id = col prim.object id
          and fkc.referenced_column_id = col_prim.column_id
       inner join sys.tables as tab prim
           on fk.referenced_object_id = tab_prim.object_id
order by table schema name,
       table name,
       primary table name,
       fk part;
```

Rows

One row represents one pair of columns in foreign key.

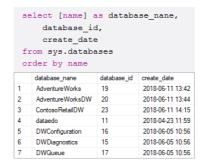
Columns



| COLUMN_NAME | Foreign table column name. |
|---------------------------|---|
| CONSTRAINT_NAME | Constraint name. |
| PRIMARY_TABLE_SCHEMA_NAME | Primary table schema name. |
| PRIMARY_TABLE_NAME | Primary table name. |
| PRIMARY_TABLE_COLUMN | Primary table column name. |
| JOIN_CONDITION | Join condition containing foreign and primary key tables and columns. |
| COMPLEX_FK | Complex foreign key flag. "Y" when foreign key is complex, otherwise "N". |
| FK_PART | Represents part number of foreign key. |

Sample results

| table_schema_name | table_name | column_name | constraint_name | primary_table_schema_name | primary_table_name | primary_table_column | join_condition | complex_fk | fk_part |
|-------------------|--------------------|------------------|--|---------------------------|--------------------|----------------------|---|------------|---------|
| Person | Person | BusinessEntityID | FK_Person_BusinessEntity_BusinessEntityID | Person | Business Entity | BusinessEntityID | Person.Person.BusinessEntityID = Person.BusinessEntity | N | 1 |
| Person | PersonPhone | BusinessEntityID | FK_PersonPhone_Person_BusinessEntityID | Person | Person | BusinessEntityID | Person.PersonPhone.BusinessEntityID = Person.Person | N | 1 |
| Person | PersonPhone | PhoneNumberT | FK_PersonPhone_PhoneNumberType_PhoneN | Person | Phone Number Type | PhoneNumberTyp | Person.PersonPhone.PhoneNumberTypeID = Person.Ph | N | 1 |
| Person | StateProvince | CountryRegionC | FK_StateProvince_CountryRegion_CountryRegi | Person | CountryRegion | CountryRegionCode | Person.StateProvince.CountryRegionCode = Person.Cou | N | 1 |
| Person | StateProvince | TerritoryID | FK_StateProvince_SalesTerritory_TerritoryID | Sales | SalesTemtory | TerritoryID | Person.StateProvince.TerritoryID = Sales.SalesTerritory.T | N | 1 |
| Production | BillOfMaterials | ComponentID | FK_BillOfMaterials_Product_ComponentID | Production | Product | ProductID | Production.BillOfMaterials.ComponentID = Production.Pro | N | 1 |
| Production | BillOfMaterials | Product Assembl | FK_BillOfMaterials_Product_ProductAssemblyID | Production | Product | ProductID | Production.BillOfMaterials.ProductAssemblyID = Producti | N | 1 |
| Production | BillOfMaterials | UnitMeasureCode | FK_BillOfMaterials_UnitMeasure_UnitMeasureC | Production | UnitMeasure | UnitMeasureCode | Production.BillOfMaterials.UnitMeasureCode = Production | N | 1 |
| Production | Product | ProductModeIID | FK_Product_ProductModel_ProductModelID | Production | ProductModel | ProductModelID | Production.Product.ProductModelID = Production.Produc | N | 1 |
| Production | Product | ProductSubcate | FK_Product_ProductSubcategory_ProductSubc | Production | ProductSubcateg | ProductSubcatego | Production.Product.ProductSubcategoryID = Production | N | 1 |
| Production | Product | SizeUnitMeasur | FK_Product_UnitMeasure_SizeUnitMeasureCode | Production | UnitMeasure | UnitMeasureCode | Production.Product.SizeUnitMeasureCode = Production | N | 1 |
| Production | Product | Weight Unit Meas | FK_Product_UnitMeasure_WeightUnitMeasureC | Production | UnitMeasure | UnitMeasureCode | Production.Product.WeightUnitMeasureCode = Productio | N | 1 |
| Production | ProductCostHistory | ProductID | FK_ProductCostHistory_Product_ProductID | Production | Product | ProductID | Production.ProductCostHistory.ProductID = Production.Pr | N | 1 |
| Production | ProductDocument | Document Node | FK_ProductDocument_Document_DocumentNo | Production | Document | DocumentNode | Production.ProductDocument.DocumentNode = Producti | N | 1 |
| Production | ProductDocument | ProductID | FK_ProductDocument_Product_ProductID | Production | Product | ProductID | Production.ProductDocument.ProductID = Production.Pr | N | 1 |
| Production | ProductInventory | LocationID | FK_ProductInventory_Location_LocationID | Production | Location | LocationID | Production.ProductInventory.LocationID = Production.Lo | N | 1 |
| | | | | | | | | | |



Catalog of SQL Server queries

Browse a catalog of free SQL queries to help you explore SQL Server database schema.

BROWSE QUERIES



```
select schema_name(v.schema_id) as schema_name,
       v.name as view_name,
       col.name as column_name,
       t.name as data_type,
       t.name +
       case when t.is_user_defined = 0 then
                 isnull('(' +
                 case when t.name in ('binary', 'char', 'nchar',
                            'varchar', 'nvarchar', 'varbinary') then
                           case col.max_length
                                when -1 then 'MAX'
                                else
                                      case
                                          when t.name in ('nchar',
                                               'nvarchar') then
                                               cast(col.max_length/2
                                               as varchar(4))
                                          else cast(col.max_length
                                               as varchar(4))
                                      end
                           end
                      when t.name in ('datetime2',
                            'datetimeoffset', 'time') then
                            cast(col.scale as varchar(4))
                      when t.name in ('decimal', 'numeric') then
                           cast(col.precision as varchar(4)) + ', ' +
                           cast(col.scale as varchar(4))
                 end + ')', '')
            else ':' +
                 (select c_t.name +
                         isnull('(' +
                         case when c_t.name in ('binary', 'char',
                                    'nchar', 'varchar', 'nvarchar',
                                    'varbinary') then
                                    case c.max length
                                         when -1 then 'MAX'
                                         else case when t.name in
                                                        ('nchar',
                                                          'nvarchar')
                                                   then cast(c.max length/2
                                                        as varchar(4))
```



```
when c_t.name in ('datetime2',
                                   'datetimeoffset', 'time') then
                                  cast(c.scale as varchar(4))
                             when c_t.name in ('decimal', 'numeric') then
                                  cast(c.precision as varchar(4)) +
                                   ', ' + cast(c.scale as varchar(4))
                        end + ')', '')
                   from sys.columns as c
                        inner join sys.types as c_t
                            on c.system type id = c_t.user_type_id
                  where c.object_id = col.object_id
                    and c.column_id = col.column_id
                    and c.user_type_id = col.user_type_id
                )
      end as data_type_ext,
      case when col.is_nullable = 0 then 'N' else 'Y' end as nullable,
      ep.value as comments
 from sys.views as v
      join sys.columns as col
          on v.object_id = col.object_id
      left join sys.types as t
          on col.user_type_id = t.user_type_id
      left join sys.extended_properties as ep
          on v.object_id = ep.major_id
         and col.column_id = ep.minor_id
         and ep.name = 'MS_Description'
         and ep.class desc = 'OBJECT OR COLUMN'
order by schema_name,
      view_name,
      column_name;
```

Rows

One row represents one view column.

Columns

| Column | Meaning |
|-------------|-------------------|
| SCHEMA_NAME | Schema name. |
| VIEW_NAME | View name. |
| COLUMN_NAME | View column name. |



| DATA_TYPE_EXT | instance, varchar(100) or decimal(8, 2). |
|---------------|--|
| NULLABLE | Nullable flag. "Y" if column is nullable, "N" if column is not nullable. |
| COMMENTS | Column comments. |

Sample results

| schema_name | view_name | column_name | data_type | data_type_ext | nullable | comments |
|-----------------|----------------------------|------------------|-----------|--------------------|----------|----------|
| Human Resources | vEmployeeDepartment | BusinessEntityID | int | int | N | NULL |
| HumanResources | vEmployeeDepartment | Department | Name | Name:nvarchar(100) | N | NULL |
| HumanResources | vEmployeeDepartment | FirstName | Name | Name:nvarchar(100) | N | NULL |
| HumanResources | vEmployeeDepartment | GroupName | Name | Name:nvarchar(100) | N | NULL |
| HumanResources | vEmployeeDepartment | JobTitle | nvarchar | nvarchar(50) | N | NULL |
| HumanResources | vEmployeeDepartment | LastName | Name | Name:nvarchar(100) | N | NULL |
| HumanResources | vEmployeeDepartment | MiddleName | Name | Name:nvarchar(100) | Υ | NULL |
| HumanResources | vEmployeeDepartment | StartDate | date | date | N | NULL |
| HumanResources | vEmployeeDepartment | Suffix | nvarchar | nvarchar(10) | Υ | NULL |
| HumanResources | vEmployeeDepartment | Title | nvarchar | nvarchar(8) | Υ | NULL |
| HumanResources | vEmployeeDepartmentHistory | BusinessEntityID | int | int | N | NULL |
| HumanResources | vEmployeeDepartmentHistory | Department | Name | Name:nvarchar(100) | N | NULL |
| HumanResources | vEmployeeDepartmentHistory | EndDate | date | date | Υ | NULL |
| HumanResources | vEmployeeDepartmentHistory | FirstName | Name | Name:nvarchar(100) | N | NULL |
| HumanResources | vEmployeeDepartmentHistory | GroupName | Name | Name:nvarchar(100) | N | NULL |
| HumanResources | vEmployeeDepartmentHistory | LastName | Name | Name:nvarchar(100) | N | NULL |
| | | | | | | |

6. Tables by number of columns

This query returns list of tables sorted by the number of columns they contain.

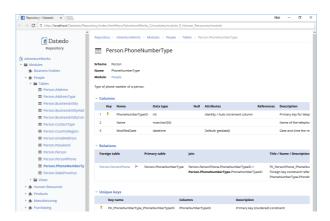


Columns

| Column | Meaning |
|-------------|-----------------------------------|
| SCHEMA_NAME | Schema name. |
| TABLE_NAME | Table name. |
| COLUMNS | Number of columns table contains. |

Sample results

| schema_name | table_name | columns |
|----------------|-----------------------------|---------|
| Sales | SalesOrderHeader | 26 |
| Production | Product | 25 |
| HumanResources | Employee | 16 |
| Production | Document | 14 |
| Person | Person | 13 |
| Purchasing | PurchaseOrderHeader | 13 |
| Production | WorkOrderRouting | 12 |
| Sales | SpecialOffer | 11 |
| Sales | SalesOrderDetail | 11 |
| Purchasing | Product Vendor | 11 |
| Purchasing | PurchaseOrderDetail | 11 |
| Sales | SalesTerritory | 10 |
| Production | WorkOrder | 10 |
| Production | TransactionHistory | 9 |
| Production | Transaction History Archive | 9 |



Extract and share data dictionary from SQL Server



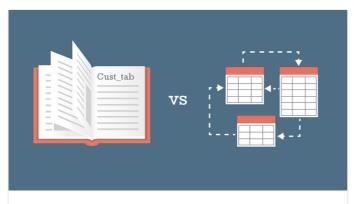
☐ Disqus' Privacy Policy dataedo 🚺 Rajesh R Rajamani 🔻 7 Comments f Share Sort by Best ▼ C Recommend 4 **Tweet** Join the discussion... Dmitriy Yudnikov • 2 months ago Cool, thanks!!! (in bookmarks) ^ | ✓ • Reply • Share › Grade Rachmanda • 6 months ago this very useful. awesome tricky of DBA. ^ | ✓ • Reply • Share › Jonathan Nigrine • a year ago • edited Really useful! I created an SSRS report from this. I joined to INFORMATION SCHEMA.COLUMNS to report and sort by ORDINAL POSITION as well, and included data from both the table query and a similar one for views. Leon Carpay • a year ago very useful ^ | ✓ • Reply • Share > Phil Gardocki • a year ago Ditto, thanks Lucy Gray • a year ago Thanks! Missy • 2 years ago Awesome info! Thank you.

^ | ✓ • Reply • Share >

⊠ Subscribe







ER Diagram vs Data Dictionary – Which is Better for Documenting Data Models



How to Document SQL Server Database in 5 Minutes with Dataedo [Free Tool]





Get 30 Best Data Cartoons

Working with data can be really challenging. If you are looking for a break, download our free "Daily Pains Of Working with Data" Ebook. It's a selection of 30 of the finest (and funniest!) Data Cartoons. You may find some of them surprisingly relatable :)

DOWNLOAD NOW

Product

Features

Data sources

Download

Pricing

Support

Documentation

Tutorials

Support forum

Version history



Resources

Blog

Data Knowledge Base

Samples

Company

About us

Contact us

Resellers

Careers

Press

SUBSCRIBE TO UPDATES









© 2020 Dataedo sp. z o.o.

Privacy