

MsSQL - Verify Properties

```
/*
```

This will check the properties on a given Database and also the server

Created By: Steve Ling 2022/04/07

```
*/
```

--Change the DB name here

```
DECLARE @DATABASE NVARCHAR(50) = 'SHOP'
```

```
/*
```

No changes below this line

```
*/
```

---- Simple Version Query

```
--SELECT  SERVERPROPERTY( 'productversion' ) AS  "Product Version" ,
```

```
--  SERVERPROPERTY ( 'productlevel' ) AS  "Product Level" ,
```

```
--  SERVERPROPERTY ( 'edition' ) AS  "Edition"
```

-- Full Properties Query

```
SELECT
```

```
SERVERPROPERTY( 'ComputerNamePhysicalNetBIOS' ) AS  'Current Failover Machine' ,
```

```
SERVERPROPERTY( 'MachineName' ) AS  'Main Machine Name' ,
```

```
SERVERPROPERTY( 'ServerName' ) AS  'Server\Instance Name' ,
```

```
SERVERPROPERTY( 'InstanceName' ) AS  'Instance Name' ,
```

```
SERVERPROPERTY( 'ProcessID' ) AS  'Instance ProcessID' ,
```

```
CASE  SUBSTRING ( CONVERT (VARCHAR(50), SERVERPROPERTY( 'productversion' )), 1, 4)
```

```
  WHEN  '8.00'  THEN  'SQL2000'
```

```
    WHEN  '9.00'  THEN  'SQL2005'
```

```
    WHEN  '10.0'  THEN  'SQL2008'
```

```
    WHEN  '10.5'  THEN  'SQL2008 R2'
```

```
  WHEN  '11.0'  THEN  'SQL2012'
```

```
  WHEN  '12.0'  THEN  'SQL2014'
```

```

ELSE 'Undetermined' END AS 'SQL Version' ,

SERVERPROPERTY( 'ProductVersion' ) AS 'Product Version' ,
SERVERPROPERTY( 'ProductLevel' ) AS 'Product Level' ,
SERVERPROPERTY( 'Edition' ) AS 'Edition' ,

CASE SERVERPROPERTY( 'EngineEdition' )
    WHEN 1 THEN 'Person / Desktop'
    WHEN 2 THEN 'Standard'
    WHEN 3 THEN 'Enterprise'
    WHEN 4 THEN 'Express'
    WHEN 5 THEN 'SQL Database'
    ELSE 'Unknown' END AS EngineEdition,

CASE SERVERPROPERTY( 'IsIntegratedSecurityOnly' )
    WHEN 1 THEN 'Window Authentication'
    WHEN 0 THEN 'Windows and SQL Authentication'
    ELSE 'Unknown' END AS 'Security Mode' ,

SERVERPROPERTY( 'Collation' ) AS 'Collation' ,
SERVERPROPERTY( 'BuildClrVersion' ) AS 'CLR Version' ,

CASE SERVERPROPERTY( 'IsFullTextInstalled' )
    WHEN 0 THEN 'Installed'
    WHEN 1 THEN 'Not Installed'
    ELSE 'Unknown' END AS 'Full Text Indexing' ,

CASE SERVERPROPERTY( 'IsHadrEnabled' )
    WHEN 0 THEN 'Disabled'
    WHEN 1 THEN 'Enabled'
    ELSE 'Unknown' END AS 'AlwaysOn Availability Groups' ,

CASE SERVERPROPERTY( 'HadrManagerStatus' )
    WHEN 0 THEN 'Not Started / PENDING'
    WHEN 1 THEN 'Start/Running'
    WHEN 2 THEN 'Not Started / FAILED'
    ELSE 'Unknown' END AS 'AlwaysOn Availability Groups Manager' ,

CASE SERVERPROPERTY( 'IsClustered' )

```

```
WHEN 0 THEN 'Clustered'
WHEN 1 THEN 'Not Clustered'
ELSE 'Unknown' END AS 'Failover Cluster' ,
```

```
CASE SERVERPROPERTY( 'IsSingleUser' )
WHEN 0 THEN 'Not in Single User Mode'
WHEN 1 THEN 'In Single User Mode'
ELSE 'Unknown' END AS 'Single User Mode' ;
```

```
DECLARE @DB SYSNAME = @DATABASE
```

```
SELECT 'Collation' as Property, DATABASEPROPERTYEX (@DB, 'Collation') as Value UNION
SELECT 'ComparisonStyle' as Property, DATABASEPROPERTYEX (@DB, 'ComparisonStyle') as Value UNION
SELECT 'Edition' as Property, DATABASEPROPERTYEX (@DB, 'Edition') as Value UNION
SELECT 'IsAnsiNullDefault' as Property, DATABASEPROPERTYEX (@DB, 'IsAnsiNullDefault') as Value UNION
SELECT 'IsAnsiNullsEnabled' as Property, DATABASEPROPERTYEX (@DB, 'IsAnsiNullsEnabled') as Value UNION
SELECT 'IsAnsiPaddingEnabled' as Property, DATABASEPROPERTYEX (@DB, 'IsAnsiPaddingEnabled') as Value
UNION
SELECT 'IsAnsiWarningsEnabled' as Property, DATABASEPROPERTYEX (@DB, 'IsAnsiWarningsEnabled') as Value
UNION
SELECT 'IsArithmeticAbortEnabled' as Property, DATABASEPROPERTYEX (@DB, 'IsArithmeticAbortEnabled') as
Value UNION
SELECT 'IsAutoClose' as Property, DATABASEPROPERTYEX (@DB, 'IsAutoClose') as Value UNION
SELECT 'IsAutoCreateStatistics' as Property, DATABASEPROPERTYEX (@DB, 'IsAutoCreateStatistics') as Value
UNION
SELECT 'IsAutoCreateStatisticsIncremental' as Property, DATABASEPROPERTYEX (@DB,
'IsAutoCreateStatisticsIncremental') as Value UNION
SELECT 'IsAutoShrink' as Property, DATABASEPROPERTYEX (@DB, 'IsAutoShrink') as Value UNION
SELECT 'IsAutoUpdateStatistics' as Property, DATABASEPROPERTYEX (@DB, 'IsAutoUpdateStatistics') as Value
UNION
SELECT 'IsClone' as Property, DATABASEPROPERTYEX (@DB, 'IsClone') as Value UNION
SELECT 'IsCloseCursorsOnCommitEnabled' as Property, DATABASEPROPERTYEX (@DB,
'IsCloseCursorsOnCommitEnabled') as Value UNION
SELECT 'IsFulltextEnabled' as Property, DATABASEPROPERTYEX (@DB, 'IsFulltextEnabled') as Value UNION
SELECT 'IsInStandBy' as Property, DATABASEPROPERTYEX (@DB, 'IsInStandBy') as Value UNION
SELECT 'IsLocalCursorsDefault' as Property, DATABASEPROPERTYEX (@DB, 'IsLocalCursorsDefault') as Value
UNION
SELECT 'IsMemoryOptimizedElevateToSnapshotEnabled' as Property, DATABASEPROPERTYEX (@DB,
'IsMemoryOptimizedElevateToSnapshotEnabled') as Value UNION
SELECT 'IsMergePublished' as Property, DATABASEPROPERTYEX (@DB, 'IsMergePublished') as Value UNION
```

```

SELECT 'IsNullConcat' as Property, DATABASEPROPERTYEX (@DB, 'IsNullConcat') as Value UNION
SELECT 'IsNumericRoundAbortEnabled' as Property, DATABASEPROPERTYEX (@DB,
'IsNumericRoundAbortEnabled') as Value UNION
SELECT 'IsParameterizationForced' as Property, DATABASEPROPERTYEX (@DB, 'IsParameterizationForced') as
Value UNION
SELECT 'IsQuotedIdentifiersEnabled' as Property, DATABASEPROPERTYEX (@DB, 'IsQuotedIdentifiersEnabled') as
Value UNION
SELECT 'IsPublished' as Property, DATABASEPROPERTYEX (@DB, 'IsPublished') as Value UNION
SELECT 'IsRecursiveTriggersEnabled' as Property, DATABASEPROPERTYEX (@DB, 'IsRecursiveTriggersEnabled')
as Value UNION
SELECT 'IsSubscribed' as Property, DATABASEPROPERTYEX (@DB, 'IsSubscribed') as Value UNION
SELECT 'IsSyncWithBackup' as Property, DATABASEPROPERTYEX (@DB, 'IsSyncWithBackup') as Value UNION
SELECT 'IsTornPageDetectionEnabled' as Property, DATABASEPROPERTYEX (@DB, 'IsTornPageDetectionEnabled')
as Value UNION
SELECT 'IsVerifiedClone' as Property, DATABASEPROPERTYEX (@DB, 'IsVerifiedClone') as Value UNION
SELECT 'IsXTPSupported' as Property, DATABASEPROPERTYEX (@DB, 'IsXTPSupported') as Value UNION
SELECT 'LastGoodCheckDbTime' as Property, DATABASEPROPERTYEX (@DB, 'LastGoodCheckDbTime') as Value
UNION
SELECT 'LCID' as Property, DATABASEPROPERTYEX (@DB, 'LCID') as Value UNION
SELECT 'MaxSizeInBytes' as Property, DATABASEPROPERTYEX (@DB, 'MaxSizeInBytes') as Value UNION
SELECT 'Recovery' as Property, DATABASEPROPERTYEX (@DB, 'Recovery') as Value UNION
SELECT 'ServiceObjective' as Property, DATABASEPROPERTYEX (@DB, 'ServiceObjective') as Value UNION
SELECT 'ServiceObjectiveId' as Property, DATABASEPROPERTYEX (@DB, 'ServiceObjectiveId') as Value UNION
SELECT 'SQLSortOrder' as Property, DATABASEPROPERTYEX (@DB, 'SQLSortOrder') as Value UNION
SELECT 'Status' as Property, DATABASEPROPERTYEX (@DB, 'Status') as Value UNION
SELECT 'Updateability' as Property, DATABASEPROPERTYEX (@DB, 'Updateability') as Value UNION
SELECT 'UserAccess' as Property, DATABASEPROPERTYEX (@DB, 'UserAccess') as Value UNION
SELECT 'Version' as Property, DATABASEPROPERTYEX (@DB, 'Version') as Value

```

```

DECLARE @props TABLE (propertyname sysname PRIMARY KEY)

```

```

INSERT INTO @props(propertyname)

```

```

SELECT 'BuildClrVersion'

```

```

UNION

```

```

SELECT 'Collation'

```

```

UNION

```

```

SELECT 'CollationID'

```

```

UNION

```

```

SELECT 'ComparisonStyle'

```

```

UNION

```

```

SELECT 'ComputerNamePhysicalNetBIOS'

```

```
UNION
SELECT 'Edition'
UNION
SELECT 'EditionID'
UNION
SELECT 'EngineEdition'
UNION
SELECT 'InstanceName'
UNION
SELECT 'IsClustered'
UNION
SELECT 'IsFullTextInstalled'
UNION
SELECT 'IsIntegratedSecurityOnly'
UNION
SELECT 'IsSingleUser'
UNION
SELECT 'LCID'
UNION
SELECT 'LicenseType'
UNION
SELECT 'MachineName'
UNION
SELECT 'NumLicenses'
UNION
SELECT 'ProcessID'
UNION
SELECT 'ProductVersion'
UNION
SELECT 'ProductLevel'
UNION
SELECT 'ResourceLastUpdateDateTime'
UNION
SELECT 'ResourceVersion'
UNION
SELECT 'ServerName'
UNION
SELECT 'SqlCharSet'
UNION
SELECT 'SqlCharSetName'
```

```
UNION
SELECT 'SqlSortOrder'
UNION
SELECT 'SqlSortOrderName'
UNION
SELECT 'FilestreamShareName'
UNION
SELECT 'FilestreamConfiguredLevel'
UNION
SELECT 'FilestreamEffectiveLevel'

SELECT propertyname, SERVERPROPERTY(propertyname) FROM @props
```

Revision #1

Created 31 August 2024 17:28:39 by Steve Ling

Updated 31 August 2024 17:48:17 by Steve Ling