

SQL Instance Documentation

CLUSTER-2K19-2



CONTOSO
TECHNICAL
SERVICES

Date	02/11/2020 12:13:11
Author	DEMO2012R2\sysadmin
Version	1.03
Product	XIA Configuration Server [12.2.7.0]

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SQL Instance Information

Provides general information for this item.

General Information

Name	CLUSTER-2K19-2
Description	Microsoft SQL Server 2019 Enterprise Edition (64-bit)
Primary Owner Name	Technical Services
Primary Owner Contact	technicalservices@contoso.com

System Information

Item Path	Contoso Technical Services
Item ID	1115
Version ID	1.03
CheckOut Status	Available

Custom Item Details

This is a demonstration SQL Instance item.

Client Information

Provides information about the client that was used to generate the information and the data used by the client to uniquely identify this item.

Item Identifiers

Primary Identifier	CLUSTER-2K19-2
Secondary Identifier	VMware-56 4d 6b 76 83 e4 76 64-14 7a 91 67 50 d3 2b ee
Tertiary Identifier	
Environment Identifier	

Client Information

Client Machine Name	XCS-2K19-LIVE
Client Identifier	1167d6f3-3b76-4261-a236-72de1fc24be8
Client IP Address	192.168.131.201
Client Scan Date	02 November 2020 12:09 (today)
Client Service Username	TEST2019\sysadmin
Client Version	12.2.7.0










Scan Profile

Target	CLUSTER-2K19-2
Profile Name	Scan SQL
Profile Identifier	5a1177b8-3296-466f-a8c9-c5198ff5c59c

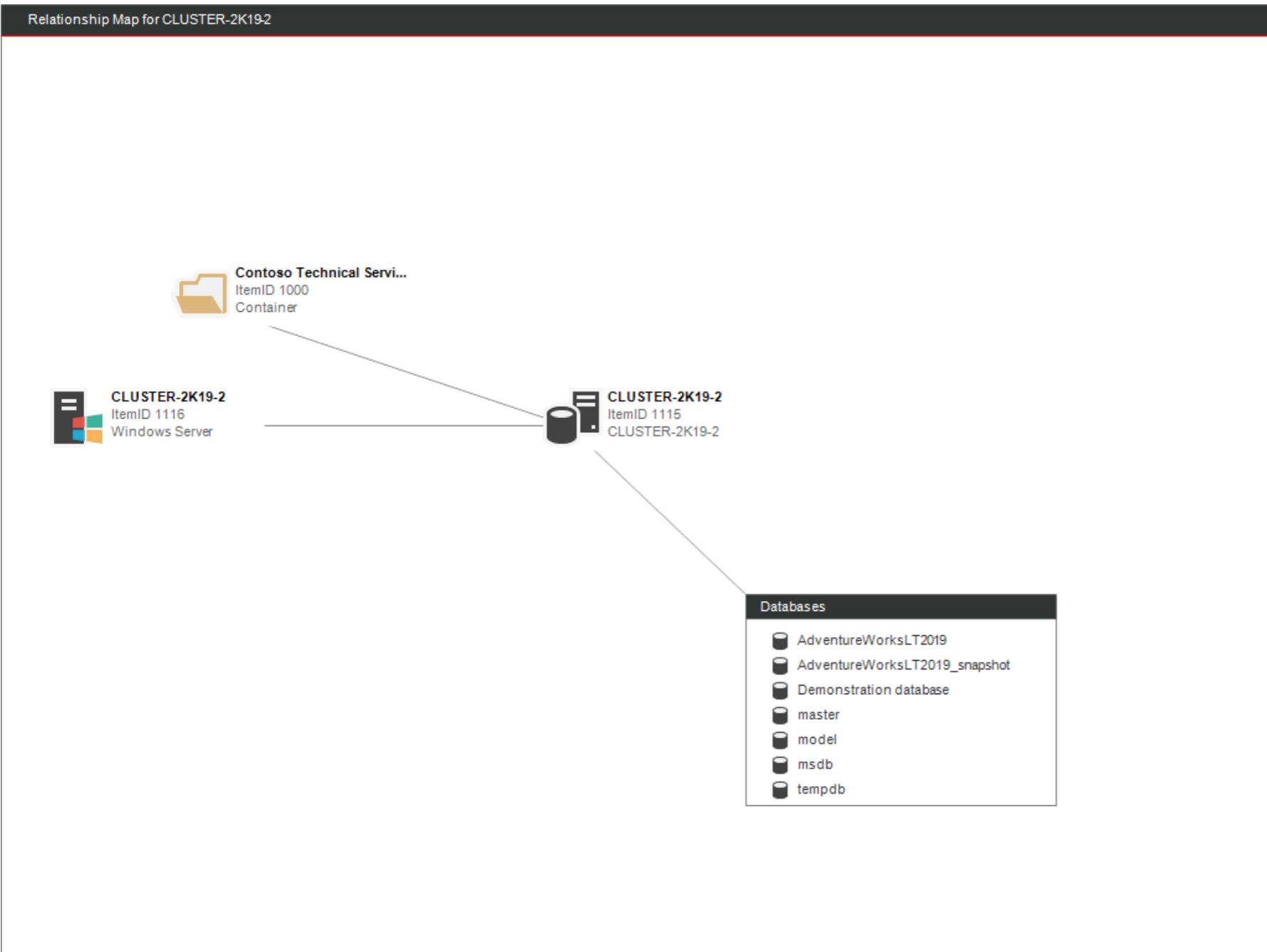
Relationships

Provides a summary of the relationships between this item and other items in the environment.

9 Relationships

Item ID	Direction	Name	Type	Relationship Type
 1116	Outbound	CLUSTER-2K19-2	Windows Server	Hosted On
 1000	Outbound	Contoso Technical Services	Container	Contained Within
 Internal	Outbound	AdventureWorksLT2019	Database	Hosts Database
 Internal	Outbound	AdventureWorksLT2019_snapshot	Database	Hosts Database
 Internal	Outbound	Demonstration database	Database	Hosts Database
 Internal	Outbound	master	Database	Hosts Database
 Internal	Outbound	model	Database	Hosts Database
 Internal	Outbound	msdb	Database	Hosts Database
 Internal	Outbound	tempdb	Database	Hosts Database

Relationship Map



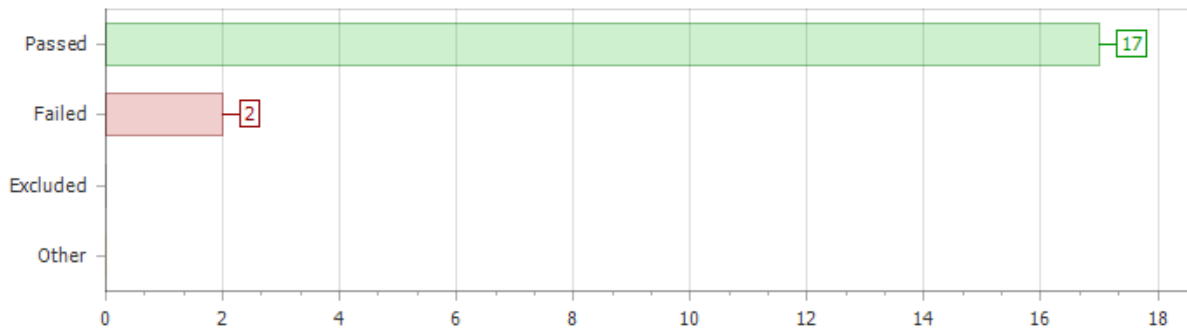
Compliance Benchmarks

Compliance benchmarks provide the ability to compare the documented configuration of an item against a known security or compliance baseline.

Name	Version	Passed	Failed	Other
 SQL Basic Compliance Benchmark	1.0.0.0	17	2	0

SQL Basic Compliance Benchmark [1.0.0.0]

This benchmark provides a basic security overview of an on-premises SQL instance.



Reference	Title	Configured Value
Section 1: Platform Settings		
1.01	Ensure that the SQL instance is running SQL version 11.0 or above	15.0
Section 2: Surface Area Configuration		
2.01	Disable ad hoc remote queries if not required	Disabled
2.02	Disable CLR integration if not required	Disabled
2.03	Disable database mail if not required	Enabled
2.04	Disable OLE automation if not required	Disabled
2.05	Disable remote DAC if not required	Disabled
2.06	Disable the service broker endpoint if not required	Disabled
2.07	Disable SOAP endpoints if not required	Disabled
2.08	Disable SQL mail if not required	Disabled
2.09	Disable XP CMD Shell if not required	Disabled
Section 3: Logins		
3.01	Rename the 'sa' account	sa
3.02	Disable the 'sa' account	True
3.03	Ensure no logins have a blank password	
Section 4: Security Properties		
4.01	Set the server authentication mode to 'Windows Authentication Mode'.	Windows Authentication Mode
4.02	Set the server login audit level to 'Failed Logins Only'.	Failed Logins Only
4.03	Disable cross database ownership chaining	Disabled
Section 5: Advanced Properties		
5.01	Disable scan for start-up procedures	Disabled
Section 6: Databases		
6.01	Ensure no databases are configured as TRUSTWORTHY	
Section 7: Network Protocols		

Availability Groups

An availability group supports a replicated environment for a discrete set of user databases, known as availability databases. You can create an availability group for high availability (HA) or for read-scale. An HA availability group is a group of databases that fail over together.

1 Availability Groups

Name	Type	Availability Databases
 Demonstration availability group	Windows Server Failover Cluster	Demonstration database

Demonstration availability group

An availability group supports a replicated environment for a discrete set of user databases, known as availability databases. You can create an availability group for high availability (HA) or for read-scale. An HA availability group is a group of databases that fail over together.

General Settings

Cluster Type	Windows Server Failover Cluster
Required Synchronized Secondaries To Commit	0
Database Level Health Detection	False
Per Database DTC Support	False
Basic Availability Group	False

Availability Databases

Availability Databases	Demonstration database
------------------------	------------------------

Read-Only Routing

Server Instance	Read-Only Routing URL	Read-Only Routing List
CLUSTER-2K19-1	TCP://COMPUTER01.contoso.com:1433	
CLUSTER-2K19-2	TCP://COMPUTER01.contoso.com:1433	

Backup

Automated Backup Preference	Prefer Secondary
-----------------------------	------------------

Replica Backup Priorities

Server Instance	Backup Priority	Exclude Replica
CLUSTER-2K19-1	50	False
CLUSTER-2K19-2	50	False

Permissions

There are no permissions defined.

Availability Replicas

An availability replica is an instantiation of an availability group that is hosted by a specific instance of SQL Server and maintains a local copy of each availability database that belongs to the availability group.

2 Availability Replicas

Name	Role	Availability Mode
 CLUSTER-2K19-1	Secondary	Asynchronous Commit
 CLUSTER-2K19-2	Primary	Asynchronous Commit

CLUSTER-2K19-1

An availability replica is an instantiation of an availability group that is hosted by a specific instance of SQL Server and maintains a local copy of each availability database that belongs to the availability group.

General Settings

Role	Secondary
Availability Mode	Asynchronous Commit
Failover Mode	Manual
Connections In Primary Role	Allow All Connections
Session Timeout (Seconds)	10
Endpoint URL	TCP://CLUSTER-2K19-1.test2019.net:5022

Read-Only Routing

Read-Only Routing Connection URL	TCP://COMPUTER01.contoso.com:1433
Read-Only Routing Replicas	

CLUSTER-2K19-2

An availability replica is an instantiation of an availability group that is hosted by a specific instance of SQL Server and maintains a local copy of each availability database that belongs to the availability group.

General Settings

Role	Primary
Availability Mode	Asynchronous Commit
Failover Mode	Manual
Connections In Primary Role	Allow All Connections
Session Timeout (Seconds)	10
Endpoint URL	TCP://CLUSTER-2K19-2.test2019.net:5022

Read-Only Routing

Read-Only Routing Connection URL	TCP://COMPUTER01.contoso.com:1433
Read-Only Routing Replicas	

Listeners

An availability group listener is a virtual network name (VNN) that clients can connect to in order to access a database in a primary or secondary replica of an Always On availability group. A listener allows a client to connect to a replica without having to know the physical instance name of the SQL Server.

 1 Listeners

Name	Port	Addresses
 ag-listener	1433	192.168.131.199/24

ag-listener

An availability group listener is a virtual network name (VNN) that clients can connect to in order to access a database in a primary or secondary replica of an Always On availability group. A listener allows a client to connect to a replica without having to know the physical instance name of the SQL Server.








General Settings

Port	1433
Addresses	192.168.131.199/24

Databases

This section provides information relating to the databases hosted on this SQL instance.

7 Databases

Name	Status	Owner
 AdventureWorksLT2019		TEST2019\sysadmin
 AdventureWorksLT2019_snapshot	Database Snapshot	TEST2019\sysadmin
 Demonstration database		TEST2019\sysadmin
 master	System Database	sa
 model	System Database	sa
 msdb	System Database	sa
 tempdb	System Database	sa

AdventureWorksLT2019

This section provides detailed information relating to the database.

Database

Date Created	10/09/2020 14:17:57
Description	AdventureWorksLT 2012 Sample OLTP Database
Memory Allocated To Memory Optimized Objects	0.00
Memory Used By Memory Optimized Objects	0.00
Owner	TEST2019\sysadmin
Size (MB)	23.94
Space Available (MB)	15.40
Status	Normal

Maintenance

Collation	SQL_Latin1_General_CP1_CI_AS
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Full-Text Search

Use Full-Text Indexing	True
------------------------	------

Backup

Last Database Backup	15/06/2020 20:30:27
Last Log Backup Date	[Not Configured]




Change Tracking

Change Tracking Enabled	False
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Database Mirroring

Enabled	False
---------	-------

3 Permissions

Name	Grantor	Permission	State
 public	dbo	VIEW ANY COLUMN ENCRYPTION KEY DEFINITION	Grant
 public	dbo	VIEW ANY COLUMN MASTER KEY DEFINITION	Grant
 dbo	dbo	CONNECT	Grant

1 Extended Properties

Name	Type	Value
 ms_description	String	AdventureWorksLT 2012 Sample OLTP Database

▶ Query Store

Operation Mode (Actual)	Off
Operation Mode (Requested)	Off
Data Flush Interval (Minutes)	15
Statistics Collection Interval	1 hour
Maximum Plans Per Query	200
Max Size (MB)	1,000
Capture Mode	Auto
Size Based Cleanup Mode	Auto
Stale Query Threshold (Days)	30

Assemblies

Assemblies are DLL files used in an instance of SQL Server to deploy functions, stored procedures, triggers, user-defined aggregates, and user-defined types that are written in one of the managed code languages hosted by the Microsoft.NET Framework common language runtime (CLR), instead of in Transact-SQL.

☰ 1 Assemblies

Name	Security Level	Version
☰ Microsoft.SqlServer.Types	Unrestricted	15.0.0.0

Microsoft.SqlServer.Types

Assemblies are DLL files used in an instance of SQL Server to deploy functions, stored procedures, triggers, user-defined aggregates, and user-defined types that are written in one of the managed code languages hosted by the Microsoft.NET Framework common language runtime (CLR), instead of in Transact-SQL.

General Settings

Assembly Security Level	Unrestricted
Date Created	10/02/2012 20:16:00
Strong Named	True
System Object	True
Owner	sys
Version	15.0.0.0

Extended Properties

There are no extended properties defined for this object.

Database Creation Script

This section provides the T-SQL command used to create the database.

SQL Script

```
CREATE DATABASE [AdventureWorksLT2019]
  CONTAINMENT = NONE
  ON PRIMARY
  ( NAME = 'AdventureWorksLT2012_Data', FILENAME = 'C:\Program Files\Microsoft SQL
Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\AdventureWorksLT2012.mdf', SIZE = 22464KB , MAXSIZE = UNLIMITED,
  FILEGROWTH = 16384KB )
  LOG ON
  ( NAME = 'AdventureWorksLT2012_Log', FILENAME = 'C:\Program Files\Microsoft SQL
Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\AdventureWorksLT2012_log.ldf', SIZE = 2048KB , MAXSIZE =
UNLIMITED, FILEGROWTH = 10%)
  COLLATE SQL_Latin1_General_CP1_CI_AS
  WITH CATALOG_COLLATION = DATABASE_DEFAULT
IF (1 = FULLTEXTSERVICEPROPERTY('IsFullTextInstalled'))
begin
EXEC [AdventureWorksLT2019].[dbo].[sp_fulltext_database] @action = 'enable'
end
ALTER DATABASE [AdventureWorksLT2019] SET ANSI_NULL_DEFAULT OFF
ALTER DATABASE [AdventureWorksLT2019] SET ANSI_NULLS ON
ALTER DATABASE [AdventureWorksLT2019] SET ANSI_PADDING ON
ALTER DATABASE [AdventureWorksLT2019] SET ANSI_WARNINGS ON
ALTER DATABASE [AdventureWorksLT2019] SET ARITHABORT ON
ALTER DATABASE [AdventureWorksLT2019] SET AUTO_CLOSE OFF
ALTER DATABASE [AdventureWorksLT2019] SET AUTO_SHRINK OFF
ALTER DATABASE [AdventureWorksLT2019] SET AUTO_UPDATE_STATISTICS ON
ALTER DATABASE [AdventureWorksLT2019] SET CURSOR_CLOSE_ON_COMMIT OFF
ALTER DATABASE [AdventureWorksLT2019] SET CURSOR_DEFAULT GLOBAL
ALTER DATABASE [AdventureWorksLT2019] SET CONCAT_NULL_YIELDS_NULL ON
ALTER DATABASE [AdventureWorksLT2019] SET NUMERIC_ROUNDABORT OFF
ALTER DATABASE [AdventureWorksLT2019] SET QUOTED_IDENTIFIER ON
ALTER DATABASE [AdventureWorksLT2019] SET RECURSIVE_TRIGGERS OFF
ALTER DATABASE [AdventureWorksLT2019] SET  DISABLE_BROKER
ALTER DATABASE [AdventureWorksLT2019] SET AUTO_UPDATE_STATISTICS_ASYNC OFF
ALTER DATABASE [AdventureWorksLT2019] SET DATE_CORRELATION_OPTIMIZATION OFF
ALTER DATABASE [AdventureWorksLT2019] SET TRUSTWORTHY OFF
ALTER DATABASE [AdventureWorksLT2019] SET ALLOW_SNAPSHOT_ISOLATION OFF
ALTER DATABASE [AdventureWorksLT2019] SET PARAMETERIZATION SIMPLE
ALTER DATABASE [AdventureWorksLT2019] SET READ_COMMITTED_SNAPSHOT OFF
ALTER DATABASE [AdventureWorksLT2019] SET HONOR_BROKER_PRIORITY OFF
ALTER DATABASE [AdventureWorksLT2019] SET RECOVERY SIMPLE
ALTER DATABASE [AdventureWorksLT2019] SET  MULTI_USER
ALTER DATABASE [AdventureWorksLT2019] SET PAGE_VERIFY CHECKSUM
ALTER DATABASE [AdventureWorksLT2019] SET DB_CHAINING OFF
ALTER DATABASE [AdventureWorksLT2019] SET FILESTREAM( NON_TRANSACTED_ACCESS = OFF )
ALTER DATABASE [AdventureWorksLT2019] SET TARGET_RECOVERY_TIME = 0 SECONDS
ALTER DATABASE [AdventureWorksLT2019] SET DELAYED_DURABILITY = DISABLED
ALTER DATABASE [AdventureWorksLT2019] SET QUERY_STORE = OFF
ALTER DATABASE [AdventureWorksLT2019] SET  READ_WRITE
```

Options

This section provides options information relating to the database.

Maintenance

Collation	SQL_Latin1_General_CP1_CI_AS
Recovery Model	Simple
Compatibility Level	SQL Server 2012 (110)
Containment Type	NONE

Automatic

Auto Close	False
Auto Create Incremental Statistics	False
Auto Create Statistics	True
Auto Shrink	False
Auto Update Statistics	True
Auto Update Statistics Asynchronously	False

Containment

Containment Type	NONE
Default Fulltext Language LCID	1033
Default Language Name	English (United States)
Nested Triggers	True
Transform Noise Words	False
Two Digit Year Cutoff	2049

Cursor

Close Cursors On Commit Enabled	False
Default Cursor	GLOBAL

Database Scoped Configurations

Legacy Cardinality Estimation	Off
Legacy Cardinality Estimation For Secondary	Primary
Max DOP	0
Max DOP For Secondary	0
Parameter Sniffing	On
Parameter Sniffing For Secondary	Primary
Query Optimizer Fixes	Off
Query Optimizer Fixes For Secondary	Primary

FILESTREAM

FILESTREAM Directory Name	
---------------------------	--

FILESTREAM Non-Transacted Access	Off
----------------------------------	-----

Miscellaneous

Allow Snapshot Isolation	False
--------------------------	-------

ANSI NULL Default	False
-------------------	-------

ANSI NULLS Enabled	True
--------------------	------

ANSI Padding Enabled	True
----------------------	------

ANSI Warnings Enabled	True
-----------------------	------

Arithmetic Abort Enabled	True
--------------------------	------

Concatenate Null Yields Null	True
------------------------------	------

Cross-database Ownership Chaining Enabled	False
---	-------

Date Correlation Optimization	False
-------------------------------	-------

Delayed Durability	Disabled
--------------------	----------

Is Read Committed Snapshot On	False
-------------------------------	-------

Parameterization	Simple
------------------	--------

Quoted Identifiers Enabled	True
----------------------------	------

Recursive Triggers Enabled	False
----------------------------	-------

Trustworthy	False
-------------	-------

VarDecimal Storage Format Enabled	True
-----------------------------------	------

Recovery

Page Verify	CHECKSUM
-------------	----------

Target Recovery Time (Seconds)	0
--------------------------------	---

Service Broker

Broker Enabled	False
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Honor Broker Priority	False
-----------------------	-------

Service Broker Identity	bc496221-bc4f-45b3-85dd-6d004e109007
-------------------------	--------------------------------------

State

Database Read-Only	False
--------------------	-------

Status	Normal
--------	--------

Encryption Enabled	False
--------------------	-------

Restrict Access	MULTI_USER
-----------------	------------

Files

This section provides information relating to the files used by the database.

AdventureWorksLT2012_Data

File Type	ROWS Data
Primary File	True
Sparse	False
Filegroup Name	PRIMARY
Initial Size (MB)	22
Autogrowth	By 16 MB, Unlimited
Path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA
Filename	AdventureWorksLT2012.mdf


AdventureWorksLT2012_Log

File Type	LOG
Sparse	False
Initial Size (MB)	2
Autogrowth	By 10 percent, Unlimited
Path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA
Filename	AdventureWorksLT2012_log.ldf

Filegroups

Filegroups are used to group data files together for administrative, data allocation, and placement purposes.

 1 Filegroups

Name	Type	Files	Read-Only	Default	Autogrow All Files
 PRIMARY	Rows	1	False	True	False

Stored Procedures

A stored procedure in SQL Server is a group of one or more Transact-SQL statements or a reference to a Microsoft .NET Framework common runtime language (CLR) method.

2 Stored Procedures

Name	Schema	Owner
 uspLogError	dbo	dbo
 uspPrintError	dbo	dbo

Tables




Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

12 Tables			
Name	Schema	Collation	Description
Address	SalesLT	SQL_Latin1_General_CP1_CI_AS	Street address information for customers.
BuildVersion	dbo	SQL_Latin1_General_CP1_CI_AS	Current version number of the AdventureWorksLT 2012 sample database.
Customer	SalesLT	SQL_Latin1_General_CP1_CI_AS	Customer information.
CustomerAddress	SalesLT	SQL_Latin1_General_CP1_CI_AS	Cross-reference table mapping customers to their address(es).
ErrorLog	dbo	SQL_Latin1_General_CP1_CI_AS	Audit table tracking errors in the the AdventureWorks database that are caught by the CATCH block of a TRY...CATCH construct. Data is inserted by stored procedure dbo.uspLogError when it is executed from inside the CATCH block of a TRY...CATCH construct.
Product	SalesLT	SQL_Latin1_General_CP1_CI_AS	Products sold or used in the manufacturing of sold products.
ProductCategory	SalesLT	SQL_Latin1_General_CP1_CI_AS	High-level product categorization.
ProductDescription	SalesLT	SQL_Latin1_General_CP1_CI_AS	Product descriptions in several languages.
ProductModel	SalesLT	SQL_Latin1_General_CP1_CI_AS	
ProductModelProductDescription	SalesLT	SQL_Latin1_General_CP1_CI_AS	Cross-reference table mapping product descriptions and the language the description is written in.
SalesOrderDetail	SalesLT	SQL_Latin1_General_CP1_CI_AS	Individual products associated with a specific sales order. See SalesOrderHeader.
SalesOrderHeader	SalesLT	SQL_Latin1_General_CP1_CI_AS	General sales order information.

User Defined Functions

Like functions in programming languages, SQL Server user-defined functions are routines that accept parameters, perform an action, such as a complex calculation, and return the result of that action as a value. The return value can either be a single scalar value or a result set.




3 User Defined Functions

Name	Schema	Owner	Type
 ufnGetAllCategories	dbo	dbo	Table-Valued Function
 ufnGetCustomerInformation	dbo	dbo	Inline Function
 ufnGetSalesOrderStatusText	dbo	dbo	Scalar-Valued Function

Views

A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.

3 Views

Name	Schema	Owner
 vGetAllCategories	SalesLT	dbo
 vProductAndDescription	SalesLT	dbo
 vProductModelCatalogDescription	SalesLT	dbo

AdventureWorksLT2019_snapshot (Database Snapshot)

This section provides detailed information relating to the database.

Database

Date Created	10/09/2020 14:19:12
Description	AdventureWorksLT 2012 Sample OLTP Database
Memory Allocated To Memory Optimized Objects	0.00
Memory Used By Memory Optimized Objects	0.00
Owner	TEST2019\sysadmin
Size (MB)	23.94
Space Available (MB)	15.59
Status	Normal

Maintenance

Collation	SQL_Latin1_General_CP1_CI_AS
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Full-Text Search

Use Full-Text Indexing	True
------------------------	------

Backup

Last Database Backup	[Not Configured]
Last Log Backup Date	[Not Configured]




Change Tracking

Change Tracking Enabled	False
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Database Mirroring

Enabled	False
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3 Permissions

Name	Grantor	Permission	State
 public	dbo	VIEW ANY COLUMN ENCRYPTION KEY DEFINITION	Grant
 public	dbo	VIEW ANY COLUMN MASTER KEY DEFINITION	Grant
 dbo	dbo	CONNECT	Grant

1 Extended Properties

Name	Type	Value
 ms_description	String	AdventureWorksLT 2012 Sample OLTP Database

Information is not available for this section because the object does not support the providing of this information or it is not relevant to this object.

Assemblies

Assemblies are DLL files used in an instance of SQL Server to deploy functions, stored procedures, triggers, user-defined aggregates, and user-defined types that are written in one of the managed code languages hosted by the Microsoft.NET Framework common language runtime (CLR), instead of in Transact-SQL.

☰ 1 Assemblies

Name	Security Level	Version
☰ Microsoft.SqlServer.Types	Unrestricted	15.0.0.0

Microsoft.SqlServer.Types

Assemblies are DLL files used in an instance of SQL Server to deploy functions, stored procedures, triggers, user-defined aggregates, and user-defined types that are written in one of the managed code languages hosted by the Microsoft.NET Framework common language runtime (CLR), instead of in Transact-SQL.

General Settings

Assembly Security Level	Unrestricted
Date Created	10/02/2012 20:16:00
Strong Named	True
System Object	True
Owner	sys
Version	15.0.0.0

Extended Properties

There are no extended properties defined for this object.

Database Creation Script

This section provides the T-SQL command used to create the database.

SQL Script

```
CREATE DATABASE [AdventureWorksLT2019_snapshot]
CONTAINMENT = NONE
ON
( NAME = 'AdventureWorksLT2012_Data', FILENAME = 'C:\snapshots\AdventureWorksLT2019_Snapshot.ss' ) AS
SNAPSHOT OF [AdventureWorksLT2019]
ALTER DATABASE [AdventureWorksLT2019_snapshot] SET QUERY_STORE = OFF
ALTER DATABASE [AdventureWorksLT2019_snapshot] SET READ_ONLY
```


Options

This section provides options information relating to the database.

Maintenance

Collation	SQL_Latin1_General_CP1_CI_AS
Recovery Model	Simple
Compatibility Level	SQL Server 2012 (110)
Containment Type	NONE

Automatic

Auto Close	False
Auto Create Incremental Statistics	False
Auto Create Statistics	True
Auto Shrink	False
Auto Update Statistics	True
Auto Update Statistics Asynchronously	False

Containment

Containment Type	NONE
Default Fulltext Language LCID	1033
Default Language Name	English (United States)
Nested Triggers	True
Transform Noise Words	False
Two Digit Year Cutoff	2049

Cursor

Close Cursors On Commit Enabled	False
Default Cursor	GLOBAL

Database Scoped Configurations

Legacy Cardinality Estimation	Off
Legacy Cardinality Estimation For Secondary	Primary
Max DOP	0
Max DOP For Secondary	0
Parameter Sniffing	On
Parameter Sniffing For Secondary	Primary
Query Optimizer Fixes	Off
Query Optimizer Fixes For Secondary	Primary

FILESTREAM

FILESTREAM Directory Name	
---------------------------	--

FILESTREAM Non-Transacted Access	Off
----------------------------------	-----

Miscellaneous

Allow Snapshot Isolation	True
--------------------------	------

ANSI NULL Default	False
-------------------	-------

ANSI NULLS Enabled	False
--------------------	-------

ANSI Padding Enabled	False
----------------------	-------

ANSI Warnings Enabled	False
-----------------------	-------

Arithmetic Abort Enabled	False
--------------------------	-------

Concatenate Null Yields Null	False
------------------------------	-------

Cross-database Ownership Chaining Enabled	False
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Date Correlation Optimization	False
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Delayed Durability	Disabled
--------------------	----------

Is Read Committed Snapshot On	False
-------------------------------	-------

Parameterization	Simple
------------------	--------

Quoted Identifiers Enabled	False
----------------------------	-------

Recursive Triggers Enabled	False
----------------------------	-------

Trustworthy	False
-------------	-------

VarDecimal Storage Format Enabled	True
-----------------------------------	------

Recovery

Page Verify	CHECKSUM
-------------	----------

Target Recovery Time (Seconds)	0
--------------------------------	---

Service Broker

Broker Enabled	False
----------------	-------

Honor Broker Priority	False
-----------------------	-------

Service Broker Identity	bc496221-bc4f-45b3-85dd-6d004e109007
-------------------------	--------------------------------------

State

Database Read-Only	True
--------------------	------

Status	Normal
--------	--------

Encryption Enabled	False
--------------------	-------

Restrict Access	MULTI_USER
-----------------	------------

Files

This section provides information relating to the files used by the database.

AdventureWorksLT2012_Data

File Type	ROWS Data
Primary File	True
Sparse	True
Filegroup Name	PRIMARY
Initial Size (MB)	22
Autogrowth	By 16 MB, Unlimited
Path	C:\snapshots
Filename	AdventureWorksLT2019_Snapshot.ss


AdventureWorksLT2012_Log

File Type	LOG
Sparse	False
Initial Size (MB)	2
Autogrowth	By 10 percent, Unlimited
Path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA
Filename	AdventureWorksLT2012_log.ldf

Filegroups

Filegroups are used to group data files together for administrative, data allocation, and placement purposes.

 1 Filegroups

Name	Type	Files	Read-Only	Default	Autogrow All Files
 PRIMARY	Rows	1	False	True	False

Stored Procedures

A stored procedure in SQL Server is a group of one or more Transact-SQL statements or a reference to a Microsoft .NET Framework common runtime language (CLR) method.

2 Stored Procedures

Name	Schema	Owner
 uspLogError	dbo	dbo
 uspPrintError	dbo	dbo

Tables




Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

12 Tables			
Name	Schema	Collation	Description
Address	SalesLT	SQL_Latin1_General_CP1_CI_AS	Street address information for customers.
BuildVersion	dbo	SQL_Latin1_General_CP1_CI_AS	Current version number of the AdventureWorksLT 2012 sample database.
Customer	SalesLT	SQL_Latin1_General_CP1_CI_AS	Customer information.
CustomerAddress	SalesLT	SQL_Latin1_General_CP1_CI_AS	Cross-reference table mapping customers to their address(es).
ErrorLog	dbo	SQL_Latin1_General_CP1_CI_AS	Audit table tracking errors in the the AdventureWorks database that are caught by the CATCH block of a TRY...CATCH construct. Data is inserted by stored procedure dbo.uspLogError when it is executed from inside the CATCH block of a TRY...CATCH construct.
Product	SalesLT	SQL_Latin1_General_CP1_CI_AS	Products sold or used in the manufacturing of sold products.
ProductCategory	SalesLT	SQL_Latin1_General_CP1_CI_AS	High-level product categorization.
ProductDescription	SalesLT	SQL_Latin1_General_CP1_CI_AS	Product descriptions in several languages.
ProductModel	SalesLT	SQL_Latin1_General_CP1_CI_AS	
ProductModelProductDescription	SalesLT	SQL_Latin1_General_CP1_CI_AS	Cross-reference table mapping product descriptions and the language the description is written in.
SalesOrderDetail	SalesLT	SQL_Latin1_General_CP1_CI_AS	Individual products associated with a specific sales order. See SalesOrderHeader.
SalesOrderHeader	SalesLT	SQL_Latin1_General_CP1_CI_AS	General sales order information.

User Defined Functions

Like functions in programming languages, SQL Server user-defined functions are routines that accept parameters, perform an action, such as a complex calculation, and return the result of that action as a value. The return value can either be a single scalar value or a result set.




3 User Defined Functions

Name	Schema	Owner	Type
 ufnGetAllCategories	dbo	dbo	Table-Valued Function
 ufnGetCustomerInformation	dbo	dbo	Inline Function
 ufnGetSalesOrderStatusText	dbo	dbo	Scalar-Valued Function

Views

A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.

3 Views

Name	Schema	Owner
 vGetAllCategories	SalesLT	dbo
 vProductAndDescription	SalesLT	dbo
 vProductModelCatalogDescription	SalesLT	dbo

Demonstration database

This section provides detailed information relating to the database.

Database

Date Created	09/09/2020 11:58:41
Description	This is a demonstration database.
Memory Allocated To Memory Optimized Objects	0.00
Memory Used By Memory Optimized Objects	0.00
Owner	TEST2019\sysadmin
Size (MB)	16.00
Space Available (MB)	5.12
Status	Normal

Maintenance

Collation	Latin1_General_CI_AS
-----------	----------------------

Full-Text Search

Use Full-Text Indexing	True
------------------------	------

Backup

Last Database Backup	09/09/2020 11:59:06
Last Log Backup Date	[Not Configured]




Change Tracking

Change Tracking Enabled	False
-------------------------	-------

Database Mirroring

Enabled	False
---------	-------

3 Permissions

Name	Grantor	Permission	State
 public	dbo	VIEW ANY COLUMN ENCRYPTION KEY DEFINITION	Grant
 public	dbo	VIEW ANY COLUMN MASTER KEY DEFINITION	Grant
 dbo	dbo	CONNECT	Grant

1 Extended Properties

Name	Type	Value
 ms_description	String	This is a demonstration database.

▶ Query Store

Operation Mode (Actual)	Off
Operation Mode (Requested)	Off
Data Flush Interval (Minutes)	15
Statistics Collection Interval	1 hour
Maximum Plans Per Query	200
Max Size (MB)	1,000
Capture Mode	Auto
Size Based Cleanup Mode	Auto
Stale Query Threshold (Days)	30

Assemblies

Assemblies are DLL files used in an instance of SQL Server to deploy functions, stored procedures, triggers, user-defined aggregates, and user-defined types that are written in one of the managed code languages hosted by the Microsoft.NET Framework common language runtime (CLR), instead of in Transact-SQL.

☰ 1 Assemblies

Name	Security Level	Version
☰ Microsoft.SqlServer.Types	Unrestricted	15.0.0.0

Microsoft.SqlServer.Types

Assemblies are DLL files used in an instance of SQL Server to deploy functions, stored procedures, triggers, user-defined aggregates, and user-defined types that are written in one of the managed code languages hosted by the Microsoft.NET Framework common language runtime (CLR), instead of in Transact-SQL.

General Settings

Assembly Security Level	Unrestricted
Date Created	24/09/2019 14:19:54
Strong Named	True
System Object	True
Owner	sys
Version	15.0.0.0

Extended Properties

There are no extended properties defined for this object.

Database Creation Script

This section provides the T-SQL command used to create the database.

SQL Script

```
CREATE DATABASE [Demonstration database]
  CONTAINMENT = NONE
  ON PRIMARY
  ( NAME = 'Demonstration database'N, FILENAME = 'C:\Program Files\Microsoft SQL
Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\Demonstration database.mdf'N , SIZE = 8192KB , MAXSIZE =
UNLIMITED, FILEGROWTH = 65536KB )
  LOG ON
  ( NAME = 'Demonstration database_log'N, FILENAME = 'C:\Program Files\Microsoft SQL
Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\Demonstration database_log.ldf'N , SIZE = 8192KB , MAXSIZE =
2048GB , FILEGROWTH = 65536KB )
  COLLATE Latin1_General_CI_AS
  WITH CATALOG_COLLATION = DATABASE_DEFAULT
  IF (1 = FULLTEXTSERVICEPROPERTY('IsFullTextInstalled'))
begin
EXEC [Demonstration database].[dbo].[sp_fulltext_database] @action = 'enable'
end
ALTER DATABASE [Demonstration database] SET ANSI_NULL_DEFAULT OFF
ALTER DATABASE [Demonstration database] SET ANSI_NULLS OFF
ALTER DATABASE [Demonstration database] SET ANSI_PADDING OFF
ALTER DATABASE [Demonstration database] SET ANSI_WARNINGS OFF
ALTER DATABASE [Demonstration database] SET ARITHABORT OFF
ALTER DATABASE [Demonstration database] SET AUTO_CLOSE OFF
ALTER DATABASE [Demonstration database] SET AUTO_SHRINK OFF
ALTER DATABASE [Demonstration database] SET AUTO_UPDATE_STATISTICS ON
ALTER DATABASE [Demonstration database] SET CURSOR_CLOSE_ON_COMMIT OFF
ALTER DATABASE [Demonstration database] SET CURSOR_DEFAULT GLOBAL
ALTER DATABASE [Demonstration database] SET CONCAT_NULL_YIELDS_NULL OFF
ALTER DATABASE [Demonstration database] SET NUMERIC_ROUNDABORT OFF
ALTER DATABASE [Demonstration database] SET QUOTED_IDENTIFIER OFF
ALTER DATABASE [Demonstration database] SET RECURSIVE_TRIGGERS OFF
ALTER DATABASE [Demonstration database] SET  DISABLE_BROKER
ALTER DATABASE [Demonstration database] SET AUTO_UPDATE_STATISTICS_ASYNC OFF
ALTER DATABASE [Demonstration database] SET DATE_CORRELATION_OPTIMIZATION OFF
ALTER DATABASE [Demonstration database] SET TRUSTWORTHY OFF
ALTER DATABASE [Demonstration database] SET ALLOW_SNAPSHOT_ISOLATION OFF
ALTER DATABASE [Demonstration database] SET PARAMETERIZATION SIMPLE
ALTER DATABASE [Demonstration database] SET READ_COMMITTED_SNAPSHOT OFF
ALTER DATABASE [Demonstration database] SET HONOR_BROKER_PRIORITY OFF
ALTER DATABASE [Demonstration database] SET RECOVERY FULL
ALTER DATABASE [Demonstration database] SET  MULTI_USER
ALTER DATABASE [Demonstration database] SET PAGE_VERIFY CHECKSUM
ALTER DATABASE [Demonstration database] SET DB_CHAINING OFF
ALTER DATABASE [Demonstration database] SET FILESTREAM( NON_TRANSACTED_ACCESS = OFF )
ALTER DATABASE [Demonstration database] SET TARGET_RECOVERY_TIME = 60 SECONDS
ALTER DATABASE [Demonstration database] SET DELAYED_DURABILITY = DISABLED
ALTER DATABASE [Demonstration database] SET QUERY_STORE = OFF
ALTER DATABASE [Demonstration database] SET  READ_WRITE
```

Options

This section provides options information relating to the database.

Maintenance

Collation	Latin1_General_CI_AS
Recovery Model	Full
Compatibility Level	SQL Server 2019 (150)
Containment Type	NONE

Automatic

Auto Close	False
Auto Create Incremental Statistics	False
Auto Create Statistics	True
Auto Shrink	False
Auto Update Statistics	True
Auto Update Statistics Asynchronously	False

Containment

Containment Type	NONE
Default Fulltext Language LCID	1033
Default Language Name	English (United States)
Nested Triggers	True
Transform Noise Words	False
Two Digit Year Cutoff	2049

Cursor

Close Cursors On Commit Enabled	False
Default Cursor	GLOBAL

Database Scoped Configurations

Legacy Cardinality Estimation	Off
Legacy Cardinality Estimation For Secondary	Primary
Max DOP	0
Max DOP For Secondary	0
Parameter Sniffing	On
Parameter Sniffing For Secondary	Primary
Query Optimizer Fixes	Off
Query Optimizer Fixes For Secondary	Primary

FILESTREAM

FILESTREAM Directory Name	
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FILESTREAM Non-Transacted Access	Off
----------------------------------	-----

Miscellaneous

Allow Snapshot Isolation	False
--------------------------	-------

ANSI NULL Default	False
-------------------	-------

ANSI NULLS Enabled	False
--------------------	-------

ANSI Padding Enabled	False
----------------------	-------

ANSI Warnings Enabled	False
-----------------------	-------

Arithmetic Abort Enabled	False
--------------------------	-------

Concatenate Null Yields Null	False
------------------------------	-------

Cross-database Ownership Chaining Enabled	False
---	-------

Date Correlation Optimization	False
-------------------------------	-------

Delayed Durability	Disabled
--------------------	----------

Is Read Committed Snapshot On	False
-------------------------------	-------

Parameterization	Simple
------------------	--------

Quoted Identifiers Enabled	False
----------------------------	-------

Recursive Triggers Enabled	False
----------------------------	-------

Trustworthy	False
-------------	-------

VarDecimal Storage Format Enabled	True
-----------------------------------	------

Recovery

Page Verify	CHECKSUM
-------------	----------

Target Recovery Time (Seconds)	60
--------------------------------	----

Service Broker

Broker Enabled	False
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Honor Broker Priority	False
-----------------------	-------

Service Broker Identity	195637f7-a329-400b-a3f5-01f5358544d4
-------------------------	--------------------------------------

State

Database Read-Only	False
--------------------	-------

Status	Normal
--------	--------

Encryption Enabled	False
--------------------	-------

Restrict Access	MULTI_USER
-----------------	------------

Files

This section provides information relating to the files used by the database.

Demonstration database

File Type	ROWS Data
Primary File	True
Sparse	False
Filegroup Name	PRIMARY
Initial Size (MB)	8
Autogrowth	By 64 MB, Unlimited
Path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA
Filename	Demonstration database.mdf


Demonstration database_log

File Type	LOG
Sparse	False
Initial Size (MB)	8
Autogrowth	By 64 MB, Limited to 2097152 MB
Path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA
Filename	Demonstration database_log.ldf

Filegroups

Filegroups are used to group data files together for administrative, data allocation, and placement purposes.


 1 Filegroups

Name	Type	Files	Read-Only	Default	Autogrow All Files
 PRIMARY	Rows	1	False	True	False

Stored Procedures


A stored procedure in SQL Server is a group of one or more Transact-SQL statements or a reference to a Microsoft .NET Framework common runtime language (CLR) method.


 1 Stored Procedures

Name	Schema	Owner
 DemonstrationProcedure	dbo	dbo

Tables

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

 1 Tables

Name	Schema	Collation	Description
 DemonstrationTable	dbo	Latin1_General_CI_AS	This is a demonstration table.

User Defined Functions

Like functions in programming languages, SQL Server user-defined functions are routines that accept parameters, perform an action, such as a complex calculation, and return the result of that action as a value. The return value can either be a single scalar value or a result set.

fx 1 User Defined Functions

Name	Schema	Owner	Type
<i>fx</i> TableValuedFunction	dbo	dbo	Inline Function

Views

A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.

 1 Views

Name	Schema	Owner
 DemonstrationView	dbo	dbo

master (System Database)

This section provides detailed information relating to the database.

Database

Date Created	08/04/2003 09:13:36
Description	
Memory Allocated To Memory Optimized Objects	0.00
Memory Used By Memory Optimized Objects	0.00
Owner	sa
Size (MB)	7.38
Space Available (MB)	1.89
Status	Normal

Maintenance

Collation	Latin1_General_CI_AS
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Full-Text Search

Use Full-Text Indexing	False
------------------------	-------

Backup

Last Database Backup	[Not Configured]
Last Log Backup Date	[Not Configured]








Change Tracking


Change Tracking Enabled	False
-------------------------	-------

Database Mirroring


Enabled	False
---------	-------

7 Permissions

Name	Grantor	Permission	State
 public	dbo	VIEW ANY COLUMN ENCRYPTION KEY DEFINITION	Grant
 public	dbo	VIEW ANY COLUMN MASTER KEY DEFINITION	Grant
 dbo	dbo	CONNECT	Grant
 guest	dbo	CONNECT	Grant
 ##MS_PolicyEventProcessingLogin##	dbo	CONNECT	Grant
 ##MS_AgentSigningCertificate##	dbo	CONNECT	Grant
 ##MS_AgentSigningCertificate##	dbo	EXECUTE	Grant

 Extended Properties

There are no extended properties defined for this object.

 Query Store

Information is not available for this section because the object does not support the providing of this information or it is not relevant to this object.

Assemblies

Assemblies are DLL files used in an instance of SQL Server to deploy functions, stored procedures, triggers, user-defined aggregates, and user-defined types that are written in one of the managed code languages hosted by the Microsoft.NET Framework common language runtime (CLR), instead of in Transact-SQL.

☰ 1 Assemblies

Name	Security Level	Version
☰ Microsoft.SqlServer.Types	Unrestricted	15.0.0.0

Microsoft.SqlServer.Types

Assemblies are DLL files used in an instance of SQL Server to deploy functions, stored procedures, triggers, user-defined aggregates, and user-defined types that are written in one of the managed code languages hosted by the Microsoft.NET Framework common language runtime (CLR), instead of in Transact-SQL.

General Settings

Assembly Security Level	Unrestricted
Date Created	24/09/2019 14:19:53
Strong Named	True
System Object	True
Owner	sys
Version	15.0.0.0

Extended Properties

There are no extended properties defined for this object.

Database Creation Script

This section provides the T-SQL command used to create the database.

SQL Script

```
CREATE DATABASE [master]
  CONTAINMENT = NONE
  ON PRIMARY
  ( NAME = 'master', FILENAME = 'C:\Program Files\Microsoft SQL
Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\master.mdf', SIZE = 5504KB , MAXSIZE = UNLIMITED, FILEGROWTH =
10%)
  LOG ON
  ( NAME = 'mastlog', FILENAME = 'C:\Program Files\Microsoft SQL
Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\mastlog.ldf', SIZE = 2048KB , MAXSIZE = UNLIMITED, FILEGROWTH =
10%)
  COLLATE Latin1_General_CI_AS
  WITH CATALOG_COLLATION = DATABASE_DEFAULT
  IF (1 = FULLTEXTSERVICEPROPERTY('IsFullTextInstalled'))
begin
EXEC [master].[dbo].[sp_fulltext_database] @action = 'disable'
end
ALTER DATABASE [master] SET ANSI_NULL_DEFAULT OFF
ALTER DATABASE [master] SET ANSI_NULLS OFF
ALTER DATABASE [master] SET ANSI_PADDING OFF
ALTER DATABASE [master] SET ANSI_WARNINGS OFF
ALTER DATABASE [master] SET ARITHABORT OFF
ALTER DATABASE [master] SET AUTO_CLOSE OFF
ALTER DATABASE [master] SET AUTO_SHRINK OFF
ALTER DATABASE [master] SET AUTO_UPDATE_STATISTICS ON
ALTER DATABASE [master] SET CURSOR_CLOSE_ON_COMMIT OFF
ALTER DATABASE [master] SET CURSOR_DEFAULT GLOBAL
ALTER DATABASE [master] SET CONCAT_NULL_YIELDS_NULL OFF
ALTER DATABASE [master] SET NUMERIC_ROUNDABORT OFF
ALTER DATABASE [master] SET QUOTED_IDENTIFIER OFF
ALTER DATABASE [master] SET RECURSIVE_TRIGGERS OFF
ALTER DATABASE [master] SET DISABLE_BROKER
ALTER DATABASE [master] SET AUTO_UPDATE_STATISTICS_ASYNC OFF
ALTER DATABASE [master] SET DATE_CORRELATION_OPTIMIZATION OFF
ALTER DATABASE [master] SET TRUSTWORTHY OFF
ALTER DATABASE [master] SET ALLOW_SNAPSHOT_ISOLATION ON
ALTER DATABASE [master] SET PARAMETERIZATION SIMPLE
ALTER DATABASE [master] SET READ_COMMITTED_SNAPSHOT OFF
ALTER DATABASE [master] SET HONOR_BROKER_PRIORITY OFF
ALTER DATABASE [master] SET RECOVERY SIMPLE
ALTER DATABASE [master] SET MULTI_USER
ALTER DATABASE [master] SET PAGE_VERIFY CHECKSUM
ALTER DATABASE [master] SET DB_CHAINING ON
ALTER DATABASE [master] SET FILESTREAM( NON_TRANSACTED_ACCESS = OFF )
ALTER DATABASE [master] SET TARGET_RECOVERY_TIME = 0 SECONDS
ALTER DATABASE [master] SET DELAYED_DURABILITY = DISABLED
ALTER DATABASE [master] SET READ_WRITE
```

Options

This section provides options information relating to the database.

Maintenance

Collation	Latin1_General_CI_AS
Recovery Model	Simple
Compatibility Level	SQL Server 2019 (150)
Containment Type	NONE

Automatic

Auto Close	False
Auto Create Incremental Statistics	False
Auto Create Statistics	True
Auto Shrink	False
Auto Update Statistics	True
Auto Update Statistics Asynchronously	False

Containment

Containment Type	NONE
Default Fulltext Language LCID	1033
Default Language Name	English (United States)
Nested Triggers	True
Transform Noise Words	False
Two Digit Year Cutoff	2049

Cursor

Close Cursors On Commit Enabled	False
Default Cursor	GLOBAL

Database Scoped Configurations

Legacy Cardinality Estimation	Off
Legacy Cardinality Estimation For Secondary	Primary
Max DOP	0
Max DOP For Secondary	0
Parameter Sniffing	On
Parameter Sniffing For Secondary	Primary
Query Optimizer Fixes	Off
Query Optimizer Fixes For Secondary	Primary

FILESTREAM

FILESTREAM Directory Name	
---------------------------	--

FILESTREAM Non-Transacted Access	Off
----------------------------------	-----

Miscellaneous

Allow Snapshot Isolation	True
--------------------------	------

ANSI NULL Default	False
-------------------	-------

ANSI NULLS Enabled	False
--------------------	-------

ANSI Padding Enabled	False
----------------------	-------

ANSI Warnings Enabled	False
-----------------------	-------

Arithmetic Abort Enabled	False
--------------------------	-------

Concatenate Null Yields Null	False
------------------------------	-------

Cross-database Ownership Chaining Enabled	True
---	------

Date Correlation Optimization	False
-------------------------------	-------

Delayed Durability	Disabled
--------------------	----------

Is Read Committed Snapshot On	False
-------------------------------	-------

Parameterization	Simple
------------------	--------

Quoted Identifiers Enabled	False
----------------------------	-------

Recursive Triggers Enabled	False
----------------------------	-------

Trustworthy	False
-------------	-------

VarDecimal Storage Format Enabled	False
-----------------------------------	-------

Recovery

Page Verify	CHECKSUM
-------------	----------

Target Recovery Time (Seconds)	0
--------------------------------	---

Service Broker

Broker Enabled	False
----------------	-------

Honor Broker Priority	False
-----------------------	-------

Service Broker Identity	
-------------------------	--

State

Database Read-Only	False
--------------------	-------

Status	Normal
--------	--------

Encryption Enabled	False
--------------------	-------

Restrict Access	MULTI_USER
-----------------	------------

Files

This section provides information relating to the files used by the database.

master

File Type	ROWS Data
Primary File	True
Sparse	False
Filegroup Name	PRIMARY
Initial Size (MB)	5
Autogrowth	By 10 percent, Unlimited
Path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA
Filename	master.mdf


mastlog

File Type	LOG
Sparse	False
Initial Size (MB)	2
Autogrowth	By 10 percent, Unlimited
Path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA
Filename	mastlog.ldf

Filegroups

Filegroups are used to group data files together for administrative, data allocation, and placement purposes.

 1 Filegroups

Name	Type	Files	Read-Only	Default	Autogrow All Files
 PRIMARY	Rows	1	False	True	False

model (System Database)

This section provides detailed information relating to the database.

Database

Date Created	08/04/2003 09:13:36
Description	
Memory Allocated To Memory Optimized Objects	0.00
Memory Used By Memory Optimized Objects	0.00
Owner	sa
Size (MB)	16.00
Space Available (MB)	5.70
Status	Normal

Maintenance

Collation	Latin1_General_CI_AS
-----------	----------------------

Full-Text Search

Use Full-Text Indexing	False
------------------------	-------

Backup

Last Database Backup	[Not Configured]
Last Log Backup Date	[Not Configured]




Change Tracking

Change Tracking Enabled	False
-------------------------	-------

Database Mirroring

Enabled	False
---------	-------

3 Permissions

Name	Grantor	Permission	State
 public	dbo	VIEW ANY COLUMN ENCRYPTION KEY DEFINITION	Grant
 public	dbo	VIEW ANY COLUMN MASTER KEY DEFINITION	Grant
 dbo	dbo	CONNECT	Grant

Extended Properties

There are no extended properties defined for this object.

Information is not available for this section because the object does not support the providing of this information or it is not relevant to this object.

Assemblies

Assemblies are DLL files used in an instance of SQL Server to deploy functions, stored procedures, triggers, user-defined aggregates, and user-defined types that are written in one of the managed code languages hosted by the Microsoft.NET Framework common language runtime (CLR), instead of in Transact-SQL.

☰ 1 Assemblies

Name	Security Level	Version
☰ Microsoft.SqlServer.Types	Unrestricted	15.0.0.0

Microsoft.SqlServer.Types

Assemblies are DLL files used in an instance of SQL Server to deploy functions, stored procedures, triggers, user-defined aggregates, and user-defined types that are written in one of the managed code languages hosted by the Microsoft.NET Framework common language runtime (CLR), instead of in Transact-SQL.

General Settings

Assembly Security Level	Unrestricted
Date Created	24/09/2019 14:19:54
Strong Named	True
System Object	True
Owner	sys
Version	15.0.0.0

Extended Properties

There are no extended properties defined for this object.

Database Creation Script

This section provides the T-SQL command used to create the database.

SQL Script

```
CREATE DATABASE [model]
  CONTAINMENT = NONE
  ON PRIMARY
  ( NAME = 'modeldev', FILENAME = 'C:\Program Files\Microsoft SQL
Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\model.mdf', SIZE = 8192KB , MAXSIZE = UNLIMITED, FILEGROWTH =
65536KB )
  LOG ON
  ( NAME = 'modellog', FILENAME = 'C:\Program Files\Microsoft SQL
Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\modellog.ldf', SIZE = 8192KB , MAXSIZE = UNLIMITED, FILEGROWTH =
65536KB )
  COLLATE Latin1_General_CI_AS
  WITH CATALOG_COLLATION = DATABASE_DEFAULT
  IF (1 = FULLTEXTSERVICEPROPERTY('IsFullTextInstalled'))
begin
EXEC [model].[dbo].[sp_fulltext_database] @action = 'disable'
end
ALTER DATABASE [model] SET ANSI_NULL_DEFAULT OFF
ALTER DATABASE [model] SET ANSI_NULLS OFF
ALTER DATABASE [model] SET ANSI_PADDING OFF
ALTER DATABASE [model] SET ANSI_WARNINGS OFF
ALTER DATABASE [model] SET ARITHABORT OFF
ALTER DATABASE [model] SET AUTO_CLOSE OFF
ALTER DATABASE [model] SET AUTO_SHRINK OFF
ALTER DATABASE [model] SET AUTO_UPDATE_STATISTICS ON
ALTER DATABASE [model] SET CURSOR_CLOSE_ON_COMMIT OFF
ALTER DATABASE [model] SET CURSOR_DEFAULT GLOBAL
ALTER DATABASE [model] SET CONCAT_NULL_YIELDS_NULL OFF
ALTER DATABASE [model] SET NUMERIC_ROUNDABORT OFF
ALTER DATABASE [model] SET QUOTED_IDENTIFIER OFF
ALTER DATABASE [model] SET RECURSIVE_TRIGGERS OFF
ALTER DATABASE [model] SET  DISABLE_BROKER
ALTER DATABASE [model] SET AUTO_UPDATE_STATISTICS_ASYNC OFF
ALTER DATABASE [model] SET DATE_CORRELATION_OPTIMIZATION OFF
ALTER DATABASE [model] SET TRUSTWORTHY OFF
ALTER DATABASE [model] SET ALLOW_SNAPSHOT_ISOLATION OFF
ALTER DATABASE [model] SET PARAMETERIZATION SIMPLE
ALTER DATABASE [model] SET READ_COMMITTED_SNAPSHOT OFF
ALTER DATABASE [model] SET HONOR_BROKER_PRIORITY OFF
ALTER DATABASE [model] SET RECOVERY FULL
ALTER DATABASE [model] SET  MULTI_USER
ALTER DATABASE [model] SET PAGE_VERIFY CHECKSUM
ALTER DATABASE [model] SET DB_CHAINING OFF
ALTER DATABASE [model] SET FILESTREAM( NON_TRANSACTED_ACCESS = OFF )
ALTER DATABASE [model] SET TARGET_RECOVERY_TIME = 60 SECONDS
ALTER DATABASE [model] SET DELAYED_DURABILITY = DISABLED
ALTER DATABASE [model] SET READ_WRITE
```

Options

This section provides options information relating to the database.

Maintenance

Collation	Latin1_General_CI_AS
Recovery Model	Full
Compatibility Level	SQL Server 2019 (150)
Containment Type	NONE

Automatic

Auto Close	False
Auto Create Incremental Statistics	False
Auto Create Statistics	True
Auto Shrink	False
Auto Update Statistics	True
Auto Update Statistics Asynchronously	False

Containment

Containment Type	NONE
Default Fulltext Language LCID	1033
Default Language Name	English (United States)
Nested Triggers	True
Transform Noise Words	False
Two Digit Year Cutoff	2049

Cursor

Close Cursors On Commit Enabled	False
Default Cursor	GLOBAL

Database Scoped Configurations

Legacy Cardinality Estimation	Off
Legacy Cardinality Estimation For Secondary	Primary
Max DOP	0
Max DOP For Secondary	0
Parameter Sniffing	On
Parameter Sniffing For Secondary	Primary
Query Optimizer Fixes	Off
Query Optimizer Fixes For Secondary	Primary

FILESTREAM

FILESTREAM Directory Name	
---------------------------	--

FILESTREAM Non-Transacted Access	Off
----------------------------------	-----

Miscellaneous

Allow Snapshot Isolation	False
--------------------------	-------

ANSI NULL Default	False
-------------------	-------

ANSI NULLS Enabled	False
--------------------	-------

ANSI Padding Enabled	False
----------------------	-------

ANSI Warnings Enabled	False
-----------------------	-------

Arithmetic Abort Enabled	False
--------------------------	-------

Concatenate Null Yields Null	False
------------------------------	-------

Cross-database Ownership Chaining Enabled	False
---	-------

Date Correlation Optimization	False
-------------------------------	-------

Delayed Durability	Disabled
--------------------	----------

Is Read Committed Snapshot On	False
-------------------------------	-------

Parameterization	Simple
------------------	--------

Quoted Identifiers Enabled	False
----------------------------	-------

Recursive Triggers Enabled	False
----------------------------	-------

Trustworthy	False
-------------	-------

VarDecimal Storage Format Enabled	False
-----------------------------------	-------

Recovery

Page Verify	CHECKSUM
-------------	----------

Target Recovery Time (Seconds)	60
--------------------------------	----

Service Broker

Broker Enabled	False
----------------	-------

Honor Broker Priority	False
-----------------------	-------

Service Broker Identity	
-------------------------	--

State

Database Read-Only	False
--------------------	-------

Status	Normal
--------	--------

Encryption Enabled	False
--------------------	-------

Restrict Access	MULTI_USER
-----------------	------------

Files

This section provides information relating to the files used by the database.

modeldev

File Type	ROWS Data
Primary File	True
Sparse	False
Filegroup Name	PRIMARY
Initial Size (MB)	8
Autogrowth	By 64 MB, Unlimited
Path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA
Filename	model.mdf


modellog

File Type	LOG
Sparse	False
Initial Size (MB)	8
Autogrowth	By 64 MB, Unlimited
Path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA
Filename	modellog.ldf

Filegroups

Filegroups are used to group data files together for administrative, data allocation, and placement purposes.

 1 Filegroups

Name	Type	Files	Read-Only	Default	Autogrow All Files
 PRIMARY	Rows	1	False	True	False

msdb (System Database)

This section provides detailed information relating to the database.

Database

Date Created	24/09/2019 14:21:42
Description	
Memory Allocated To Memory Optimized Objects	0.00
Memory Used By Memory Optimized Objects	0.00
Owner	sa
Size (MB)	21.31
Space Available (MB)	2.59
Status	Normal

Maintenance

Collation	Latin1_General_CI_AS
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Full-Text Search

Use Full-Text Indexing	True
------------------------	------

Backup

Last Database Backup	[Not Configured]
Last Log Backup Date	[Not Configured]








Change Tracking

Change Tracking Enabled	False
-------------------------	-------

Database Mirroring

Enabled	False
---------	-------

7 Permissions

Name	Grantor	Permission	State
 public	dbo	VIEW ANY COLUMN ENCRYPTION KEY DEFINITION	Grant
 public	dbo	VIEW ANY COLUMN MASTER KEY DEFINITION	Grant
 dbo	dbo	CONNECT	Grant
 guest	dbo	CONNECT	Grant
 MS_DataCollectorInternalUser	dbo	CONNECT	Grant
 ##MS_PolicyEventProcessingLogin##	dbo	CONNECT	Grant
 ##MS_PolicyTsqlExecutionLogin##	dbo	CONNECT	Grant

1 Extended Properties

Name	Type	Value
Microsoft_Management_Utility_Version	String	___SQLVERSION___NEW___

▶ Query Store

Information is not available for this section because the object does not support the providing of this information or it is not relevant to this object.

Assemblies

Assemblies are DLL files used in an instance of SQL Server to deploy functions, stored procedures, triggers, user-defined aggregates, and user-defined types that are written in one of the managed code languages hosted by the Microsoft.NET Framework common language runtime (CLR), instead of in Transact-SQL.

☰ 1 Assemblies

Name	Security Level	Version
☰ Microsoft.SqlServer.Types	Unrestricted	15.0.0.0

Microsoft.SqlServer.Types

Assemblies are DLL files used in an instance of SQL Server to deploy functions, stored procedures, triggers, user-defined aggregates, and user-defined types that are written in one of the managed code languages hosted by the Microsoft.NET Framework common language runtime (CLR), instead of in Transact-SQL.

General Settings

Assembly Security Level	Unrestricted
Date Created	24/09/2019 14:19:54
Strong Named	True
System Object	True
Owner	sys
Version	15.0.0.0

Extended Properties

There are no extended properties defined for this object.

Database Creation Script

This section provides the T-SQL command used to create the database.

SQL Script

```
CREATE DATABASE [msdb]
  CONTAINMENT = NONE
  ON PRIMARY
  ( NAME = 'MSDBData', FILENAME = 'C:\Program Files\Microsoft SQL
Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\MSDBData.mdf', SIZE = 16640KB , MAXSIZE = UNLIMITED, FILEGROWTH
= 10%)
  LOG ON
  ( NAME = 'MSDBLog', FILENAME = 'C:\Program Files\Microsoft SQL
Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\MSDBLog.ldf', SIZE = 5184KB , MAXSIZE = 2048GB , FILEGROWTH =
10%)
  COLLATE Latin1_General_CI_AS
  WITH CATALOG_COLLATION = DATABASE_DEFAULT
  IF (1 = FULLTEXTSERVICEPROPERTY('IsFullTextInstalled'))
begin
EXEC [msdb].[dbo].[sp_fulltext_database] @action = 'enable'
end
ALTER DATABASE [msdb] SET ANSI_NULL_DEFAULT OFF
ALTER DATABASE [msdb] SET ANSI_NULLS OFF
ALTER DATABASE [msdb] SET ANSI_PADDING OFF
ALTER DATABASE [msdb] SET ANSI_WARNINGS OFF
ALTER DATABASE [msdb] SET ARITHABORT OFF
ALTER DATABASE [msdb] SET AUTO_CLOSE OFF
ALTER DATABASE [msdb] SET AUTO_SHRINK OFF
ALTER DATABASE [msdb] SET AUTO_UPDATE_STATISTICS ON
ALTER DATABASE [msdb] SET CURSOR_CLOSE_ON_COMMIT OFF
ALTER DATABASE [msdb] SET CURSOR_DEFAULT GLOBAL
ALTER DATABASE [msdb] SET CONCAT_NULL_YIELDS_NULL OFF
ALTER DATABASE [msdb] SET NUMERIC_ROUNDABORT OFF
ALTER DATABASE [msdb] SET QUOTED_IDENTIFIER OFF
ALTER DATABASE [msdb] SET RECURSIVE_TRIGGERS OFF
ALTER DATABASE [msdb] SET  ENABLE_BROKER
ALTER DATABASE [msdb] SET AUTO_UPDATE_STATISTICS_ASYNC OFF
ALTER DATABASE [msdb] SET DATE_CORRELATION_OPTIMIZATION OFF
ALTER DATABASE [msdb] SET TRUSTWORTHY ON
ALTER DATABASE [msdb] SET ALLOW_SNAPSHOT_ISOLATION ON
ALTER DATABASE [msdb] SET PARAMETERIZATION SIMPLE
ALTER DATABASE [msdb] SET READ_COMMITTED_SNAPSHOT OFF
ALTER DATABASE [msdb] SET HONOR_BROKER_PRIORITY OFF
ALTER DATABASE [msdb] SET RECOVERY SIMPLE
ALTER DATABASE [msdb] SET  MULTI_USER
ALTER DATABASE [msdb] SET PAGE_VERIFY CHECKSUM
ALTER DATABASE [msdb] SET DB_CHAINING ON
ALTER DATABASE [msdb] SET FILESTREAM( NON_TRANSACTED_ACCESS = OFF )
ALTER DATABASE [msdb] SET TARGET_RECOVERY_TIME = 60 SECONDS
ALTER DATABASE [msdb] SET DELAYED_DURABILITY = DISABLED
ALTER DATABASE [msdb] SET QUERY_STORE = OFF
ALTER DATABASE [msdb] SET  READ_WRITE
```

Options

This section provides options information relating to the database.

Maintenance

Collation	Latin1_General_CI_AS
Recovery Model	Simple
Compatibility Level	SQL Server 2019 (150)
Containment Type	NONE

Automatic

Auto Close	False
Auto Create Incremental Statistics	False
Auto Create Statistics	True
Auto Shrink	False
Auto Update Statistics	True
Auto Update Statistics Asynchronously	False

Containment

Containment Type	NONE
Default Fulltext Language LCID	1033
Default Language Name	English (United States)
Nested Triggers	True
Transform Noise Words	False
Two Digit Year Cutoff	2049

Cursor

Close Cursors On Commit Enabled	False
Default Cursor	GLOBAL

Database Scoped Configurations

Legacy Cardinality Estimation	Off
Legacy Cardinality Estimation For Secondary	Primary
Max DOP	0
Max DOP For Secondary	0
Parameter Sniffing	On
Parameter Sniffing For Secondary	Primary
Query Optimizer Fixes	Off
Query Optimizer Fixes For Secondary	Primary

FILESTREAM

FILESTREAM Directory Name	
---------------------------	--

FILESTREAM Non-Transacted Access	Off
----------------------------------	-----

Miscellaneous

Allow Snapshot Isolation	True
--------------------------	------

ANSI NULL Default	False
-------------------	-------

ANSI NULLS Enabled	False
--------------------	-------

ANSI Padding Enabled	False
----------------------	-------

ANSI Warnings Enabled	False
-----------------------	-------

Arithmetic Abort Enabled	False
--------------------------	-------

Concatenate Null Yields Null	False
------------------------------	-------

Cross-database Ownership Chaining Enabled	True
---	------

Date Correlation Optimization	False
-------------------------------	-------

Delayed Durability	Disabled
--------------------	----------

Is Read Committed Snapshot On	False
-------------------------------	-------

Parameterization	Simple
------------------	--------

Quoted Identifiers Enabled	False
----------------------------	-------

Recursive Triggers Enabled	False
----------------------------	-------

Trustworthy	True
-------------	------

VarDecimal Storage Format Enabled	False
-----------------------------------	-------

Recovery

Page Verify	CHECKSUM
-------------	----------

Target Recovery Time (Seconds)	60
--------------------------------	----

Service Broker

Broker Enabled	True
----------------	------

Honor Broker Priority	False
-----------------------	-------

Service Broker Identity	511c474c-b49a-4a67-a5ac-88a6d66e1718
-------------------------	--------------------------------------

State

Database Read-Only	False
--------------------	-------

Status	Normal
--------	--------

Encryption Enabled	False
--------------------	-------

Restrict Access	MULTI_USER
-----------------	------------

Files

This section provides information relating to the files used by the database.

MSDBData

File Type	ROWS Data
Primary File	True
Sparse	False
Filegroup Name	PRIMARY
Initial Size (MB)	16
Autogrowth	By 10 percent, Unlimited
Path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA
Filename	MSDBData.mdf


MSDBLog

File Type	LOG
Sparse	False
Initial Size (MB)	5
Autogrowth	By 10 percent, Limited to 2097152 MB
Path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA
Filename	MSDBLog.ldf

Filegroups

Filegroups are used to group data files together for administrative, data allocation, and placement purposes.

 1 Filegroups

Name	Type	Files	Read-Only	Default	Autogrow All Files
 PRIMARY	Rows	1	False	True	False

tempdb (System Database)

This section provides detailed information relating to the database.

Database

Date Created	02/11/2020 12:06:59
Description	
Memory Allocated To Memory Optimized Objects	0.00
Memory Used By Memory Optimized Objects	0.00
Owner	sa
Size (MB)	40.00
Space Available (MB)	28.73
Status	Normal

Maintenance

Collation	Latin1_General_CI_AS
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Full-Text Search

Use Full-Text Indexing	False
------------------------	-------

Backup

Last Database Backup	[Not Configured]
Last Log Backup Date	[Not Configured]





Change Tracking

Change Tracking Enabled	False
-------------------------	-------

Database Mirroring

Enabled	False
---------	-------

4 Permissions

Name	Grantor	Permission	State
 public	dbo	VIEW ANY COLUMN ENCRYPTION KEY DEFINITION	Grant
 public	dbo	VIEW ANY COLUMN MASTER KEY DEFINITION	Grant
 dbo	dbo	CONNECT	Grant
 guest	dbo	CONNECT	Grant

Extended Properties

There are no extended properties defined for this object.

▶ Query Store

Information is not available for this section because the object does not support the providing of this information or it is not relevant to this object.

Assemblies

Assemblies are DLL files used in an instance of SQL Server to deploy functions, stored procedures, triggers, user-defined aggregates, and user-defined types that are written in one of the managed code languages hosted by the Microsoft.NET Framework common language runtime (CLR), instead of in Transact-SQL.

☰ 1 Assemblies

Name	Security Level	Version
☰ Microsoft.SqlServer.Types	Unrestricted	15.0.0.0

Microsoft.SqlServer.Types

Assemblies are DLL files used in an instance of SQL Server to deploy functions, stored procedures, triggers, user-defined aggregates, and user-defined types that are written in one of the managed code languages hosted by the Microsoft.NET Framework common language runtime (CLR), instead of in Transact-SQL.

General Settings

Assembly Security Level	Unrestricted
Date Created	24/09/2019 14:19:54
Strong Named	True
System Object	True
Owner	sys
Version	15.0.0.0

Extended Properties

There are no extended properties defined for this object.

Database Creation Script

This section provides the T-SQL command used to create the database.

SQL Script

```
CREATE DATABASE [tempdb]
  CONTAINMENT = NONE
  ON PRIMARY
( NAME = 'tempdev', FILENAME = 'C:\Program Files\Microsoft SQL
Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\tempdb.mdf', SIZE = 8192KB , MAXSIZE = UNLIMITED, FILEGROWTH =
65536KB ),
( NAME = 'temp2', FILENAME = 'C:\Program Files\Microsoft SQL
Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\tempdb_mssql_2.ndf', SIZE = 8192KB , MAXSIZE = UNLIMITED,
FILEGROWTH = 65536KB ),
( NAME = 'temp3', FILENAME = 'C:\Program Files\Microsoft SQL
Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\tempdb_mssql_3.ndf', SIZE = 8192KB , MAXSIZE = UNLIMITED,
FILEGROWTH = 65536KB ),
( NAME = 'temp4', FILENAME = 'C:\Program Files\Microsoft SQL
Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\tempdb_mssql_4.ndf', SIZE = 8192KB , MAXSIZE = UNLIMITED,
FILEGROWTH = 65536KB )
  LOG ON
( NAME = 'templog', FILENAME = 'C:\Program Files\Microsoft SQL
Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\templog.ldf', SIZE = 8192KB , MAXSIZE = UNLIMITED, FILEGROWTH =
65536KB )
  COLLATE Latin1_General_CI_AS
  WITH CATALOG_COLLATION = DATABASE_DEFAULT
ALTER DATABASE [tempdb] MODIFY FILEGROUP [PRIMARY] AUTOGROW_ALL_FILES
IF (1 = FULLTEXTSERVICEPROPERTY('IsFullTextInstalled'))
begin
EXEC [tempdb].[dbo].[sp_fulltext_database] @action = 'disable'
end
ALTER DATABASE [tempdb] SET ANSI_NULL_DEFAULT OFF
ALTER DATABASE [tempdb] SET ANSI_NULLS OFF
ALTER DATABASE [tempdb] SET ANSI_PADDING OFF
ALTER DATABASE [tempdb] SET ANSI_WARNINGS OFF
ALTER DATABASE [tempdb] SET ARITHABORT OFF
ALTER DATABASE [tempdb] SET AUTO_CLOSE OFF
ALTER DATABASE [tempdb] SET AUTO_SHRINK OFF
ALTER DATABASE [tempdb] SET AUTO_UPDATE_STATISTICS ON
ALTER DATABASE [tempdb] SET CURSOR_CLOSE_ON_COMMIT OFF
ALTER DATABASE [tempdb] SET CURSOR_DEFAULT GLOBAL
ALTER DATABASE [tempdb] SET CONCAT_NULL_YIELDS_NULL OFF
ALTER DATABASE [tempdb] SET NUMERIC_ROUNDABORT OFF
ALTER DATABASE [tempdb] SET QUOTED_IDENTIFIER OFF
ALTER DATABASE [tempdb] SET RECURSIVE_TRIGGERS OFF
ALTER DATABASE [tempdb] SET ENABLE_BROKER
ALTER DATABASE [tempdb] SET AUTO_UPDATE_STATISTICS_ASYNC OFF
ALTER DATABASE [tempdb] SET DATE_CORRELATION_OPTIMIZATION OFF
ALTER DATABASE [tempdb] SET TRUSTWORTHY OFF
ALTER DATABASE [tempdb] SET ALLOW_SNAPSHOT_ISOLATION OFF
ALTER DATABASE [tempdb] SET PARAMETERIZATION SIMPLE
ALTER DATABASE [tempdb] SET READ_COMMITTED_SNAPSHOT OFF
ALTER DATABASE [tempdb] SET HONOR_BROKER_PRIORITY OFF
ALTER DATABASE [tempdb] SET RECOVERY SIMPLE
ALTER DATABASE [tempdb] SET MULTI_USER
ALTER DATABASE [tempdb] SET PAGE_VERIFY CHECKSUM
ALTER DATABASE [tempdb] SET DB_CHAINING ON
ALTER DATABASE [tempdb] SET FILESTREAM( NON_TRANSACTED_ACCESS = OFF )
ALTER DATABASE [tempdb] SET TARGET_RECOVERY_TIME = 60 SECONDS
ALTER DATABASE [tempdb] SET DELAYED_DURABILITY = DISABLED
ALTER DATABASE [tempdb] SET READ_WRITE
```

Options

This section provides options information relating to the database.

Maintenance

Collation	Latin1_General_CI_AS
Recovery Model	Simple
Compatibility Level	SQL Server 2019 (150)
Containment Type	NONE

Automatic

Auto Close	False
Auto Create Incremental Statistics	False
Auto Create Statistics	True
Auto Shrink	False
Auto Update Statistics	True
Auto Update Statistics Asynchronously	False

Containment

Containment Type	NONE
Default Fulltext Language LCID	1033
Default Language Name	English (United States)
Nested Triggers	True
Transform Noise Words	False
Two Digit Year Cutoff	2049

Cursor

Close Cursors On Commit Enabled	False
Default Cursor	GLOBAL

Database Scoped Configurations

Legacy Cardinality Estimation	Off
Legacy Cardinality Estimation For Secondary	Primary
Max DOP	0
Max DOP For Secondary	0
Parameter Sniffing	On
Parameter Sniffing For Secondary	Primary
Query Optimizer Fixes	Off
Query Optimizer Fixes For Secondary	Primary

FILESTREAM

FILESTREAM Directory Name	
---------------------------	--

FILESTREAM Non-Transacted Access	Off
----------------------------------	-----

Miscellaneous

Allow Snapshot Isolation	False
--------------------------	-------

ANSI NULL Default	False
-------------------	-------

ANSI NULLS Enabled	False
--------------------	-------

ANSI Padding Enabled	False
----------------------	-------

ANSI Warnings Enabled	False
-----------------------	-------

Arithmetic Abort Enabled	False
--------------------------	-------

Concatenate Null Yields Null	False
------------------------------	-------

Cross-database Ownership Chaining Enabled	True
---	------

Date Correlation Optimization	False
-------------------------------	-------

Delayed Durability	Disabled
--------------------	----------

Is Read Committed Snapshot On	False
-------------------------------	-------

Parameterization	Simple
------------------	--------

Quoted Identifiers Enabled	False
----------------------------	-------

Recursive Triggers Enabled	False
----------------------------	-------

Trustworthy	False
-------------	-------

VarDecimal Storage Format Enabled	False
-----------------------------------	-------

Recovery

Page Verify	CHECKSUM
-------------	----------

Target Recovery Time (Seconds)	60
--------------------------------	----

Service Broker

Broker Enabled	True
----------------	------

Honor Broker Priority	False
-----------------------	-------

Service Broker Identity	757dae16-7f10-479b-bae8-13fe640e9e09
-------------------------	--------------------------------------

State

Database Read-Only	False
--------------------	-------

Status	Normal
--------	--------

Encryption Enabled	False
--------------------	-------

Restrict Access	MULTI_USER
-----------------	------------

Files

This section provides information relating to the files used by the database.

temp2


File Type	ROWS Data
Primary File	False
Sparse	False
Filegroup Name	PRIMARY
Initial Size (MB)	8
Autogrowth	By 64 MB, Unlimited
Path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA
Filename	tempdb_mssql_2.ndf

temp3


File Type	ROWS Data
Primary File	False
Sparse	False
Filegroup Name	PRIMARY
Initial Size (MB)	8
Autogrowth	By 64 MB, Unlimited
Path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA
Filename	tempdb_mssql_3.ndf

temp4

File Type	ROWS Data
Primary File	False
Sparse	False
Filegroup Name	PRIMARY
Initial Size (MB)	8
Autogrowth	By 64 MB, Unlimited
Path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA
Filename	tempdb_mssql_4.ndf

 tempdev

File Type	ROWS Data
Primary File	True
Sparse	False
Filegroup Name	PRIMARY
Initial Size (MB)	8
Autogrowth	By 64 MB, Unlimited
Path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA
Filename	tempdb.mdf


 templog

File Type	LOG
Sparse	False
Initial Size (MB)	8
Autogrowth	By 64 MB, Unlimited
Path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA
Filename	templog.ldf

Filegroups


Filegroups are used to group data files together for administrative, data allocation, and placement purposes.


 1 Filegroups

Name	Type	Files	Read-Only	Default	Autogrow All Files
 PRIMARY	Rows	4	False	True	True

Hosts

This section provides information about the host platforms.

 1 Hosts

Name	Operating System	Service Pack	Serial Number
 CLUSTER-2K19-2	Microsoft Windows Server 2019 Datacenter	None Installed	VMware-56 4d 6b 76 83 e4 76 64-14 7a 91 67 50 d3 2b ee

CLUSTER-2K19-2

This section provides information about the host platforms.

General Settings

Computer Fully Qualified Domain Name	CLUSTER-2K19-2.test2019.net
Operating System Name	Microsoft Windows Server 2019 Datacenter
Service Pack	None Installed

Hardware

Manufacturer	VMware, Inc.
Model	VMware Virtual Platform
Serial Number	VMware-56 4d 6b 76 83 e4 76 64-14 7a 91 67 50 d3 2b ee
Processors	Intel(R) Core(TM) i7-6700HQ CPU @ 2.60GHz

Management

Provides management related information including backup devices and endpoints.

Database Mail

Database Mail is an enterprise solution for sending e-mail messages from the SQL Server Database Engine or Azure SQL Database Managed Instance. Using Database Mail, your database applications can send e-mail messages to users.

General Settings

Enabled

True

1 Database Mail Accounts

Name	E-mail Address	Server Name	Authentication Type
 Demonstration SMTP server	demonstration@email.com	SERVER01	Windows

Demonstration account

Database Mail is an enterprise solution for sending e-mail messages from the SQL Server Database Engine or Azure SQL Database Managed Instance. Using Database Mail, your database applications can send e-mail messages to users.

General Settings

Description	This is a demonstration account.
Display Name	Demonstration SMTP server
E-mail Address	demonstration@email.com
Name	Demonstration account
Reply E-mail	reply@email.com
Profile Names	Demonstration profile


Server Settings

Server Name	SERVER01
Port	25
Require Secure Connection (SSL)	False
Authentication Type	Windows

Maintenance Plans

Maintenance plans create a workflow of the tasks required to make sure that your database is optimized, regularly backed up, and free of inconsistencies.

 1 Maintenance Plans

Name	Owner	Description
 Demonstration Maintenance Plan	TEST2019\sysadmin	This is a demonstration maintenance plan.

Demonstration Maintenance Plan

Maintenance plans create a workflow of the tasks required to make sure that your database is optimized, regularly backed up, and free of inconsistencies.

General Settings

Creation Date	10/09/2020 14:03:09
Description	This is a demonstration maintenance plan.
Owner	TEST2019\sysadmin

1 Subplans

Name	Description	Job Name
 Subplan_1	Subplan_1	Demonstration Maintenance Plan.Subplan_1

Resource Governor

SQL Server Resource Governor is a feature that you can use to manage SQL Server workload and system resource consumption. Resource Governor enables you to specify limits on the amount of CPU, physical I/O, and memory that incoming application requests can use.



General Settings

Enabled	True
Classifier Function Name	

Resource Pools

A resource pool represents a subset of the physical resources of an instance of the Database Engine.

2 Resource Pools

Name	System	Min CPU %	Max CPU %	Min Memory %	Max Memory %
 default	True	0	100	0	100
 internal	True	0	100	0	100


default

A resource pool represents a subset of the physical resources of an instance of the Database Engine.

General Settings

System Object	True
Minimum CPU %	0
Maximum CPU %	100
Minimum Memory %	0
Maximum Memory %	100

1 Workload Groups

Name	Importance	Max Requests	CPU Time (sec)	Memory Grant %	Grant Timeout (sec)	Degree Of Parallelism
 default	Medium	0	0	25	0	0


internal

A resource pool represents a subset of the physical resources of an instance of the Database Engine.

General Settings

System Object	True
Minimum CPU %	0
Maximum CPU %	100
Minimum Memory %	0
Maximum Memory %	100


1 Workload Groups

Name	Importance	Max Requests	CPU Time (sec)	Memory Grant %	Grant Timeout (sec)	Degree Of Parallelism
 internal	Medium	0	0	25	0	0

External Resource Pools

An external pool is used to define resources for external processes.

1 External Resource Pools

Name	System	Max CPU %	Max Memory %	Maximum Processes
 default	True	100	20	0

default

An external pool is used to define resources for external processes.

General Settings

Is System Object	True
Maximum CPU %	100
Maximum Memory %	20
Maximum Processes	0


Security

Provides security related information.

Credentials

A credential is a record that contains the authentication information (credentials) required to connect to a resource outside SQL Server. This information is used internally by SQL Server.

 1 Credentials

Name	Identity	Use Encryption Provider
 Demonstration credential	TEST2019\Administrator	True

Demonstration credential

A credential is a record that contains the authentication information (credentials) required to connect to a resource outside SQL Server. This information is used internally by SQL Server.

General Settings

Date Created	10/09/2020 14:12:02
Date Last Modified	10/09/2020 14:15:00
Identity	TEST2019\Administrator
Use Encryption Provider	True
Encryption Provider Name	KeyVault

Cryptographic Providers

Cryptographic providers allow third-party Extensible Key Management (EKM) providers to be registered and used within SQL Server.

1 Cryptographic Providers

Name	Authentication Type	Enabled	Version
 KeyVault	Basic	True	1.0.5.0

KeyVault

Cryptographic providers allow third-party Extensible Key Management (EKM) providers to be registered and used within SQL Server.












General Settings

Authentication Type	Basic
DLL Path	C:\Program Files\SQL Server Connector for Microsoft Azure Key Vault\Microsoft.AzureKeyVaultService.EKM.dll
Enabled	True
Version	1.0.5.0

Logins

A login is a security principal, or an entity that can be authenticated by a secure system. Users need a login to connect to SQL Server.

11 Logins

Name	Type	Default Database	Language
 ##MS_PolicyEventProcessingLogin##	SQL authentication	master	English
 ##MS_PolicyTsqlExecutionLogin##	SQL authentication	master	English
 Demonstration login	Mapped to certificate	master	English
 NT AUTHORITY\SYSTEM	Windows authentication	master	English
 NT Service\MSSQLSERVER	Windows authentication	master	English
 NT SERVICE\SQLSERVERAGENT	Windows authentication	master	English
 NT SERVICE\SQLTELEMETRY	Windows authentication	master	English
 NT SERVICE\SQLWriter	Windows authentication	master	English
 NT SERVICE\Winmgmt	Windows authentication	master	English
 sa	SQL authentication	master	English
 TEST2019\sysadmin	Windows authentication	master	English

##MS_PolicyEventProcessingLogin##

A login is a security principal, or an entity that can be authenticated by a secure system. Users need a login to connect to SQL Server.

General Settings

ID	256
Login Type	SQL authentication
Date Created	24/09/2019 14:21:53
Date Last Modified	09/09/2020 11:29:40
Default Database	master
Language Display Name	English

SQL Login

Locked	False
Password Expired	False
Must Change Password	False
Enforce Password Expiration	False
Enforce Password Policy	True

Mapped Credentials

Mapped Credentials	
--------------------	--

Status

Connect Permission	True
Disabled	True

Server Roles

Server Roles	public
--------------	--------

##MS_PolicyTsqlExecutionLogin##

A login is a security principal, or an entity that can be authenticated by a secure system. Users need a login to connect to SQL Server.

General Settings

ID	257
Login Type	SQL authentication
Date Created	24/09/2019 14:21:53
Date Last Modified	09/09/2020 11:29:40
Default Database	master
Language Display Name	English

SQL Login

Locked	False
Password Expired	False
Must Change Password	False
Enforce Password Expiration	False
Enforce Password Policy	True

Mapped Credentials

Mapped Credentials	
--------------------	--

Status

Connect Permission	True
Disabled	True

Server Roles

Server Roles	public
--------------	--------

Demonstration login

A login is a security principal, or an entity that can be authenticated by a secure system. Users need a login to connect to SQL Server.

General Settings

ID	266
Login Type	Mapped to certificate
Date Created	10/09/2020 14:13:15
Date Last Modified	10/09/2020 14:13:15
Default Database	master
Language Display Name	English

Certificate Login

Certificate	DemonstrationCertificate
-------------	--------------------------

Mapped Credentials

Mapped Credentials	Demonstration credential
--------------------	--------------------------

Status

Connect Permission	True
Disabled	False

Server Roles

Server Roles	public
--------------	--------

NT AUTHORITY\SYSTEM

A login is a security principal, or an entity that can be authenticated by a secure system. Users need a login to connect to SQL Server.

General Settings

ID	263
Login Type	Windows authentication
Date Created	09/09/2020 11:29:40
Date Last Modified	09/09/2020 11:29:40
Default Database	master
Language Display Name	English

Windows Login

Security Identifier (SDDL)	S-1-5-18
----------------------------	----------

Mapped Credentials

Mapped Credentials	
--------------------	--

Status

Connect Permission	True
Disabled	False

Server Roles

Server Roles	public
--------------	--------

NT Service\MSSQLSERVER

A login is a security principal, or an entity that can be authenticated by a secure system. Users need a login to connect to SQL Server.

General Settings

ID	262
Login Type	Windows authentication
Date Created	09/09/2020 11:29:40
Date Last Modified	09/09/2020 11:29:40
Default Database	master
Language Display Name	English

Windows Login

Security Identifier (SDDL)	S-1-5-80-3880718306-3832830129-1677859214-2598158968-1052248003
----------------------------	---

Mapped Credentials

Mapped Credentials	
--------------------	--

Status

Connect Permission	True
Disabled	False

Server Roles

Server Roles	public sysadmin
--------------	--------------------

NT SERVICE\SQLSERVERAGENT

A login is a security principal, or an entity that can be authenticated by a secure system. Users need a login to connect to SQL Server.

General Settings

ID	264
Login Type	Windows authentication
Date Created	09/09/2020 11:29:40
Date Last Modified	09/09/2020 11:29:40
Default Database	master
Language Display Name	English

Windows Login

Security Identifier (SDDL)	S-1-5-80-344959196-2060754871-2302487193-2804545603-1466107430
----------------------------	--

Mapped Credentials

Mapped Credentials	
--------------------	--

Status

Connect Permission	True
Disabled	False

Server Roles

Server Roles	public sysadmin
--------------	--------------------

NT SERVICE\SQLTELEMETRY

A login is a security principal, or an entity that can be authenticated by a secure system. Users need a login to connect to SQL Server.

General Settings

ID	265
Login Type	Windows authentication
Date Created	09/09/2020 11:29:41
Date Last Modified	09/09/2020 11:29:41
Default Database	master
Language Display Name	English

Windows Login

Security Identifier (SDDL)	S-1-5-80-2652535364-2169709536-2857650723-2622804123-1107741775
----------------------------	---

Mapped Credentials

Mapped Credentials	
--------------------	--

Status

Connect Permission	True
Disabled	False

Server Roles

Server Roles	public
--------------	--------

NT SERVICE\SQLWriter

A login is a security principal, or an entity that can be authenticated by a secure system. Users need a login to connect to SQL Server.

General Settings

ID	260
Login Type	Windows authentication
Date Created	09/09/2020 11:29:40
Date Last Modified	09/09/2020 11:29:40
Default Database	master
Language Display Name	English

Windows Login

Security Identifier (SDDL)	S-1-5-80-1402415987-66678372-3059512406-1823130485-2345841878
----------------------------	---

Mapped Credentials

Mapped Credentials	
--------------------	--

Status

Connect Permission	True
Disabled	False

Server Roles

Server Roles	public sysadmin
--------------	--------------------

NT SERVICE\Winmgmt

A login is a security principal, or an entity that can be authenticated by a secure system. Users need a login to connect to SQL Server.

General Settings

ID	261
Login Type	Windows authentication
Date Created	09/09/2020 11:29:40
Date Last Modified	09/09/2020 11:29:40
Default Database	master
Language Display Name	English

Windows Login

Security Identifier (SDDL)	S-1-5-80-3750560858-172214265-3889451188-1914796615-4100997547
----------------------------	--

Mapped Credentials

Mapped Credentials	
--------------------	--


Status

Connect Permission	True
Disabled	False

Server Roles

Server Roles	public sysadmin
--------------	--------------------

A login is a security principal, or an entity that can be authenticated by a secure system. Users need a login to connect to SQL Server.

 General Settings

ID	1
Login Type	SQL authentication
Date Created	08/04/2003 09:10:35
Date Last Modified	09/09/2020 11:29:40
Default Database	master
Language Display Name	English

 SQL Login

Locked	False
Password Expired	False
Must Change Password	False
Enforce Password Expiration	False
Enforce Password Policy	True

 Mapped Credentials

Mapped Credentials	
--------------------	--

 Status

Connect Permission	True
Disabled	True

 Server Roles

Server Roles	public sysadmin
--------------	--------------------

TEST2019\sysadmin

A login is a security principal, or an entity that can be authenticated by a secure system. Users need a login to connect to SQL Server.

General Settings

ID	259
Login Type	Windows authentication
Date Created	09/09/2020 11:29:40
Date Last Modified	09/09/2020 11:29:40
Default Database	master
Language Display Name	English

Windows Login

Security Identifier (SDDL)	S-1-5-21-1597374802-183462725-2612050851-1103
----------------------------	---

Mapped Credentials

Mapped Credentials	
--------------------	--

Status

Connect Permission	True
Disabled	False










Server Roles

Server Roles	public sysadmin
--------------	--------------------

Server Roles

SQL Server provides server-level roles to help you manage the permissions on a server. These roles are security principals that group other principals. Server-level roles are server-wide in their permissions scope.

9 Server Roles

Name	Fixed Role	Member Names
 bulkadmin	True	
 dbcreator	True	
 diskadmin	True	
 processadmin	True	
 public	False	
 securityadmin	True	
 serveradmin	True	
 setupadmin	True	
 sysadmin	True	NT Service\MSSQLSERVER NT SERVICE\SQLSERVERAGENT NT SERVICE\SQLWriter NT SERVICE\Winmgmt sa TEST2019\sysadmin

bulkadmin

SQL Server provides server-level roles to help you manage the permissions on a server. These roles are security principals that group other principals. Server-level roles are server-wide in their permissions scope.

General Settings

Date Created	13/04/2009 12:59:06
Date Last Modified	13/04/2009 12:59:06
Is Fixed Role	True
Owner	sa

Membership

There are no members defined for this server role.

dbcreator

SQL Server provides server-level roles to help you manage the permissions on a server. These roles are security principals that group other principals. Server-level roles are server-wide in their permissions scope.

General Settings

Date Created	13/04/2009 12:59:06
Date Last Modified	13/04/2009 12:59:06
Is Fixed Role	True
Owner	sa

Membership

There are no members defined for this server role.

diskadmin

SQL Server provides server-level roles to help you manage the permissions on a server. These roles are security principals that group other principals. Server-level roles are server-wide in their permissions scope.

General Settings

Date Created	13/04/2009 12:59:06
Date Last Modified	13/04/2009 12:59:06
Is Fixed Role	True
Owner	sa

Membership

There are no members defined for this server role.

processadmin

SQL Server provides server-level roles to help you manage the permissions on a server. These roles are security principals that group other principals. Server-level roles are server-wide in their permissions scope.

General Settings

Date Created	13/04/2009 12:59:06
Date Last Modified	13/04/2009 12:59:06
Is Fixed Role	True
Owner	sa

Membership

There are no members defined for this server role.

public

SQL Server provides server-level roles to help you manage the permissions on a server. These roles are security principals that group other principals. Server-level roles are server-wide in their permissions scope.

General Settings

Date Created	13/04/2009 12:59:06
Date Last Modified	13/04/2009 12:59:06
Is Fixed Role	False
Owner	sa

Membership

There are no members defined for this server role.

securityadmin

SQL Server provides server-level roles to help you manage the permissions on a server. These roles are security principals that group other principals. Server-level roles are server-wide in their permissions scope.

General Settings

Date Created	13/04/2009 12:59:06
Date Last Modified	13/04/2009 12:59:06
Is Fixed Role	True
Owner	sa

Membership

There are no members defined for this server role.

serveradmin

SQL Server provides server-level roles to help you manage the permissions on a server. These roles are security principals that group other principals. Server-level roles are server-wide in their permissions scope.

General Settings

Date Created	13/04/2009 12:59:06
Date Last Modified	13/04/2009 12:59:06
Is Fixed Role	True
Owner	sa

Membership

There are no members defined for this server role.

setupadmin

SQL Server provides server-level roles to help you manage the permissions on a server. These roles are security principals that group other principals. Server-level roles are server-wide in their permissions scope.

General Settings

Date Created	13/04/2009 12:59:06
Date Last Modified	13/04/2009 12:59:06
Is Fixed Role	True
Owner	sa

Membership

There are no members defined for this server role.

sysadmin

SQL Server provides server-level roles to help you manage the permissions on a server. These roles are security principals that group other principals. Server-level roles are server-wide in their permissions scope.

General Settings

Date Created	13/04/2009 12:59:06
Date Last Modified	13/04/2009 12:59:06
Is Fixed Role	True
Owner	sa

Membership

Members	NT Service\MSSQLSERVER NT SERVICE\SQLSERVERAGENT NT SERVICE\SQLWriter NT SERVICE\Winmgmt sa TEST2019\sysadmin
---------	--

Server Objects

Provides server object related information.

Backup Devices

During a backup operation on a SQL Server database, the backed up data (the backup) is written to a physical backup device.







1 Backup Devices

Name	Type	Location
 Demonstration backup device	Disk	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\Backup\Demonstration backup device.bak

Endpoints

An endpoint is a service that can listen natively for requests.

6 Endpoints

Name	System	Type	State	TCP Listener Port
 Dedicated Admin Connection	True	TSQL	Started	
 Hadr_endpoint	False	Database Mirroring	Started	5022
 TSQL Default TCP	True	TSQL	Started	
 TSQL Default VIA	True	TSQL	Started	
 TSQL Local Machine	True	TSQL	Started	
 TSQL Named Pipes	True	TSQL	Started	

Server Properties

This section provides information about the SQL Server properties.



General Settings

Product	Microsoft SQL Server 2019
Edition	Enterprise Edition (64-bit)
Engine Type	On-Premises
Version	15.0.2000.5
Product Level	RTM
Collation	Latin1_General_CI_AS
Is Full-Text Installed	True
Is HADR Enabled	True
Named Pipes Enabled	False
TCP Enabled	True
Is XTP Supported	True
Language	English (United States)
Root Directory	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL

Clustering

Clustered	False
-----------	-------

Service

Service Account	NT Service\MSSQLSERVER
Service Start Mode	Automatic

 Platform

Operating System	6.3 (17763)
Physical Memory (MB)	2,047
Platform	NT x64
Processors	4

Advanced

This section provides information about the SQL Server advanced properties.

Containment

Enable Contained Databases	False
----------------------------	-------

FILESTREAM

FILESTREAM Effective Access Level	Full access enabled
-----------------------------------	---------------------

FILESTREAM Share Name	MSSQLSERVER
-----------------------	-------------

Miscellaneous

Allow Triggers To Fire Others	True
-------------------------------	------

Blocked Process Threshold	0
---------------------------	---

Boost SQL Server Priority	False
---------------------------	-------

Cursor Threshold	-1
------------------	----

Default Full Text Language	1033
----------------------------	------

Default Language Name	English
-----------------------	---------

Full-Text Upgrade Option	Import
--------------------------	--------

Max Text Replication Size	65,536
---------------------------	--------

Optimize Adhoc Workloads	False
--------------------------	-------

Scan For Startup Procs	False
------------------------	-------

Two Digit Year Cutoff	2049
-----------------------	------

Use Windows Fibers (Lightweight Pooling)	False
--	-------

Network

Network Packet Size	4,096
---------------------	-------

Remote Login Timeout	10
----------------------	----

Parallelism

Cost Threshold For Parallelism	5
--------------------------------	---

Locks	0
-------	---

Max Degree Of Parallelism	4
---------------------------	---

Query Wait	-1
------------	----

Connections

This section provides information about the connections settings assigned to the instance.

Connections

Maximum Concurrent Connections	Unlimited
Query Governor	Disabled
Allow Remote Connections	True
Remote Query Timeout	600 seconds
Require Distributed Transactions	False

Default Connection Options

Implicit Transactions	False
Cursor Close On Commit	False
ANSI Warnings	False
ANSI Padding	False
ANSI NULLs	False
Arithmetic Abort	False
Arithmetic Ignore	False
Quoted Identifier	False
No Count	False
ANSI NULL Default On	False
ANSI NULL Default Off	False
Concatenate NULL Yields NULL	False
Numeric Round Abort	False
XACT Abort	False

Database Settings

This section provides information about the database settings assigned to the instance.

Database Settings

Compress Backup	False
Default Index Fill Factor	0
Default Backup Media Retention (Days)	0
Recovery Interval (Minutes)	0

Path Settings

Default Backup Path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\Backup
Default Database Path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\
Default Log Path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA\

Memory

This section provides information about the memory related settings assigned to the instance.


Memory

Minimum Server Memory (MB)	0
Maximum Server Memory (MB)	2,147,483,647
Index Creation Memory (KB)	0
Minimum Memory Per Query (KB)	1,024

Permissions

This section provides information about the permissions assigned to the instance.

29 Permissions

Name	Grantor	Permission	State
 sa	sa	CONNECT SQL	Grant
 public	sa	VIEW ANY DATABASE	Grant
 ##MS_SQLResourceSigningCertificate##	sa	VIEW ANY DEFINITION	Grant
 ##MS_SQLReplicationSigningCertificate##	sa	AUTHENTICATE SERVER	Grant
 ##MS_SQLReplicationSigningCertificate##	sa	VIEW ANY DEFINITION	Grant
 ##MS_SQLReplicationSigningCertificate##	sa	VIEW SERVER STATE	Grant
 ##MS_SQLAuthenticatorCertificate##	sa	AUTHENTICATE SERVER	Grant
 ##MS_PolicySigningCertificate##	sa	CONTROL SERVER	Grant
 ##MS_PolicySigningCertificate##	sa	VIEW ANY DEFINITION	Grant
 ##MS_SmoExtendedSigningCertificate##	sa	VIEW ANY DEFINITION	Grant
 ##MS_PolicyEventProcessingLogin##	sa	CONNECT SQL	Grant
 ##MS_PolicyTsqlExecutionLogin##	sa	CONNECT SQL	Grant
 ##MS_PolicyTsqlExecutionLogin##	sa	VIEW ANY DEFINITION	Grant
 ##MS_PolicyTsqlExecutionLogin##	sa	VIEW SERVER STATE	Grant
 ##MS_AgentSigningCertificate##	sa	CONNECT SQL	Grant
 TEST2019\sysadmin	sa	CONNECT SQL	Grant
 NT SERVICE\SQLWriter	sa	CONNECT SQL	Grant
 NT SERVICE\Winmgmt	sa	CONNECT SQL	Grant
 NT Service\MSSQLSERVER	sa	CONNECT SQL	Grant
 NT AUTHORITY\SYSTEM	sa	ALTER ANY AVAILABILITY GROUP	Grant
 NT AUTHORITY\SYSTEM	sa	CONNECT SQL	Grant
 NT AUTHORITY\SYSTEM	sa	VIEW SERVER STATE	Grant
 NT SERVICE\SQLSERVERAGENT	sa	CONNECT SQL	Grant
 NT SERVICE\SQLTELEMETRY	sa	ALTER ANY EVENT SESSION	Grant
 NT SERVICE\SQLTELEMETRY	sa	CONNECT ANY DATABASE	Grant
 NT SERVICE\SQLTELEMETRY	sa	CONNECT SQL	Grant
 NT SERVICE\SQLTELEMETRY	sa	VIEW ANY DEFINITION	Grant
 NT SERVICE\SQLTELEMETRY	sa	VIEW SERVER STATE	Grant
 Demonstration login	sa	CONNECT SQL	Grant





Processors

This section provides information about the processors settings assigned to the instance.

Processors

Automatically Set Processor Affinity Mask	True
Automatically Set I/O Affinity Mask	True
Maximum Worker Threads	0

4 CPUs

Name	NUMA Node	Processor Affinity	I/O Affinity
 CPU0	NumaNode0	False	False
 CPU1	NumaNode0	False	False
 CPU2	NumaNode0	False	False
 CPU3	NumaNode0	False	False

Security

This section provides information about the security settings assigned to the instance.

Security

Login Mode	Windows Authentication Mode
Login Auditing	Failed Logins Only
Proxy Account Enabled	False

Options

Common Criteria Compliance Enabled	False
Enable C2 Audit Tracing	False
Cross Database Ownership Chaining	False

Surface Area Configuration

Surface area configuration allows administrators to selectively enable or disable features thereby minimizing those features that can be attacked by a malicious user.

Surface Area Configuration

Ad Hoc Remote Queries Enabled	False
CLR Integration Enabled	False
Database Mail Enabled	True
OLE Automation Enabled	False
Remote DAC Enabled	False
Service Broker Endpoint Active	False
SOAP Endpoint Active	False
SQL Mail Enabled	False
XPCmdShell Enabled	False

SQL Server Agent

The SQL Server Agent is a Microsoft Windows service that executes scheduled administrative tasks.


General Settings

Service Account	NT Service\SQLSERVERAGENT
Service Start Mode	Automatic
Automatically Restart SQL Server Agent	True
Automatically Restart SQL Server	True
Error Log File	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\Log\SQLAGENT.OUT
Write OEM File	False

Alerts

SQL Server Agent alerts are automated responses to events such as SQL Server events, performance conditions, and Windows Management Instrumentation (WMI) events.

 1 Alerts

Name	Type	Enabled
 Demonstration alert	SQL Server Event Alert	True

Demonstration alert

SQL Server Agent alerts are automated responses to events such as SQL Server events, performance conditions, and Windows Management Instrumentation (WMI) events.

General Settings

Alert Type	SQL Server Event Alert
Enabled	True

Alert Definition

Database Name	<all databases>
Severity	1
Raise Alert When Message Contains	Demonstration message text

Response

Job Name	Demonstration Maintenance Plan.Subplan_1
Email Notifications	Demonstration operator
Net Send Notifications	
Pager Notifications	

Options

Include Alert Error Text	E-mail
Additional Notification Message	Additional demonstration notification message.
Delay Between Responses (Seconds)	300

Jobs

You can use SQL Server Agent jobs to automate routine administrative tasks and run them on a recurring basis, making administration more efficient.

2 Jobs

Name	Owner	Category	Enabled
Demonstration Maintenance Plan.Subplan_1	TEST2019\sysadmin	Database Maintenance	True
syspolicy_purge_history	sa	[Uncategorized (Local)]	True

Demonstration Maintenance Plan.Subplan_1

You can use SQL Server Agent jobs to automate routine administrative tasks and run them on a recurring basis, making administration more efficient.

General Settings

Owner	TEST2019\sysadmin
Category	Database Maintenance
Description	No description available.
Enabled	True
Date Created	10/09/2020 14:03:31
Date Last Modified	10/09/2020 14:03:32

1 Steps

Step	Name	Type	On Success	On Failure
1	Subplan_1	SQL Server Integration Services Package	Quit the job reporting success	Quit the job reporting failure

Alerts

Alerts	Demonstration alert
--------	---------------------

Schedules

There are no scheduled defined for this job.

Notifications

Email Notification	Never
Pager Notification	Never
Write Windows Application Event Log Event	When the job fails
Delete Action	Never

Targets

Target Servers	CLUSTER-2K19-2
----------------	----------------

Subplan_1

A job step is an action that the job takes on a database or a server. Every job must have at least one job step.

General Settings

Type	SQL Server Integration Services Package
Run As	SQL Server Agent Service Account
Command	/Server "\${ESCAPE_NONE(SRVR)}" /SQL "Maintenance Plans\Demonstration Maintenance Plan" /set "\Package\Subplan_1.Disable;false"

Advanced

On Success Action	Quit the job reporting success
Retry Attempts	0
Retry Interval (Minutes)	0
On Failure Action	Quit the job reporting failure
Output File	
Log To Table	False
Include Step Output In Job History	False

syspolicy_purge_history

You can use SQL Server Agent jobs to automate routine administrative tasks and run them on a recurring basis, making administration more efficient.

General Settings

Owner	sa
Category	[Uncategorized (Local)]
Description	No description available.
Enabled	True
Date Created	09/09/2020 11:29:40
Date Last Modified	09/09/2020 11:29:41

3 Steps

Step	Name	Type	On Success	On Failure
1	Verify that automation is enabled.	Transact-SQL Script (T-SQL)	Go to the next step	Quit the job reporting success
2	Purge history.	Transact-SQL Script (T-SQL)	Go to the next step	Quit the job reporting failure
3	Erase Phantom System Health Records.	PowerShell	Quit the job reporting success	Quit the job reporting failure

Alerts

There are no alerts assigned to this job.

1 Schedules

Name	Enabled	Summary
syspolicy_purge_history_schedule	True	Occurs every 1 days at 02:00:00. Schedule will be used starting on 01 January 2008.

Notifications

Email Notification	Never
Pager Notification	Never
Write Windows Application Event Log Event	Never
Delete Action	Never

Targets

Target Servers	CLUSTER-2K19-2
----------------	----------------

Verify that automation is enabled.

A job step is an action that the job takes on a database or a server. Every job must have at least one job step.

General Settings

Type	Transact-SQL Script (T-SQL)
Run As	SQL Server Agent Service Account
Command	IF (msdb.dbo.fn_syspolicy_is_automation_enabled() != 1) BEGIN RAISERROR(34022, 16, 1) END
Database	master

Advanced

On Success Action	Go to the next step
Retry Attempts	0
Retry Interval (Minutes)	0
On Failure Action	Quit the job reporting success
Output File	
Log To Table	False
Include Step Output In Job History	False

Purge history.

A job step is an action that the job takes on a database or a server. Every job must have at least one job step.

General Settings

Type	Transact-SQL Script (T-SQL)
Run As	SQL Server Agent Service Account
Command	EXEC msdb.dbo.sp_syspolicy_purge_history
Database	master

Advanced

On Success Action	Go to the next step
Retry Attempts	0
Retry Interval (Minutes)	0
On Failure Action	Quit the job reporting failure
Output File	
Log To Table	False
Include Step Output In Job History	False

Erase Phantom System Health Records.

A job step is an action that the job takes on a database or a server. Every job must have at least one job step.

General Settings

Type	PowerShell
Run As	SQL Server Agent Service Account
Command	if ('\$(ESCAPE_QUOTE(INST))' -eq 'MSSQLSERVER') {\$a = '\DEFAULT'} ELSE {\$a = ""}; (Get-Item SQLSERVER:\SQLPolicy\\$(ESCAPE_NONE(SRV))\$a).EraseSystemHealthPhantomRecords()
Database	master


Advanced

On Success Action	Quit the job reporting success
Retry Attempts	0
Retry Interval (Minutes)	0
On Failure Action	Quit the job reporting failure
Output File	
Log To Table	False
Include Step Output In Job History	False

Operators

Operators are aliases for people or groups that can receive electronic notification when jobs have completed or alerts have been raised. The SQL Server Agent service supports the notification of administrators through operators. Operators enable notification and monitoring capabilities of SQL Server Agent.

 1 Operators

Name	E-mail Address	Enabled	Pager	Pager Days
 Demonstration operator	demonstration@email.com	True		None

Proxies

A SQL Server Agent proxy account defines a security context in which a job step can run. Each proxy corresponds to a security credential. To set permissions for a particular job step, create a proxy that has the required permissions for a SQL Server Agent subsystem, and then assign that proxy to the job step.

 1 Proxies

Name	Subsystems	Description
 Demonstration proxy name	PowerShell	This is a demonstration proxy.

Demonstration proxy name

A SQL Server Agent proxy account defines a security context in which a job step can run. Each proxy corresponds to a security credential. To set permissions for a particular job step, create a proxy that has the required permissions for a SQL Server Agent subsystem, and then assign that proxy to the job step.

General Settings


Credential Name	Demonstration credential
Credential Identity	TEST2019\Administrator
Description	This is a demonstration proxy.
Enabled	True
Subsystems	PowerShell

Principals

Database Roles	
Logins	Demonstration login
Server Roles	

Version History

The version history displays the changes that have been made to the documentation of this item over time - either automatically when a change has been detected, or manually by users of the system.

 4 versions

Version	Username	Date	Time	Description
 1.03	DEMO2012R2\sysadmin	02 November 2020	12:12	Updated by XIA Configuration Client Data
 1.02	DEMO2012R2\sysadmin	02 November 2020	11:30	Added Primary Owner.
 1.01	DEMO2012R2\sysadmin	02 November 2020	10:42	Updated by XIA Configuration Client Data
 1.00	DEMO2012R2\sysadmin	02 November 2020	10:42	Item created.