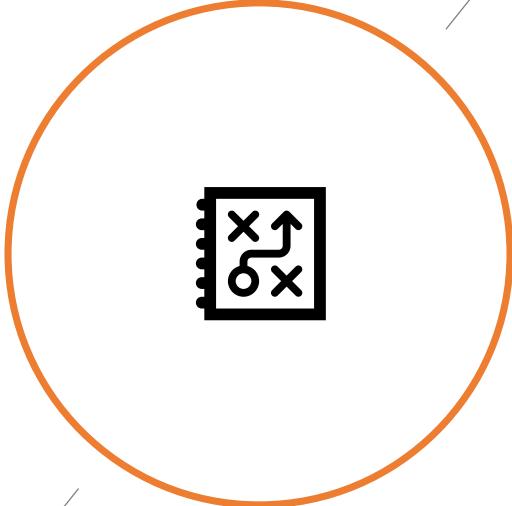




Database Migration using Azure Database Migration Service



Speaker Details

Fabrikam Database Migration Service Scenario

Fabrikam has assessed the performance of Azure SQL Database service and its feasibility of it for them to use it for deploying their on-premises database into Azure SQL Database service. Now, they are trying to understand how the Azure DMS will help them to migrate their on-prem database to Azure using Database migration Service. They are having databases that must be migrated without making them to go offline and there are also databases that can be migrated by taking them offline. Because of this **Fabrikam** is trying to understand how the offline database migration and online database migration offered by the Azure DMS can be used to migrate their databases without any issues. Hence, in this demo, we will be migrating the on-premises SQL Server database of **Fabrikam** to Azure SQL Server database.

Pre-requisites

- Knowledge on Azure
- Azure subscriptions
- Familiarity with Azure SQL Server Database

Database Migration Service

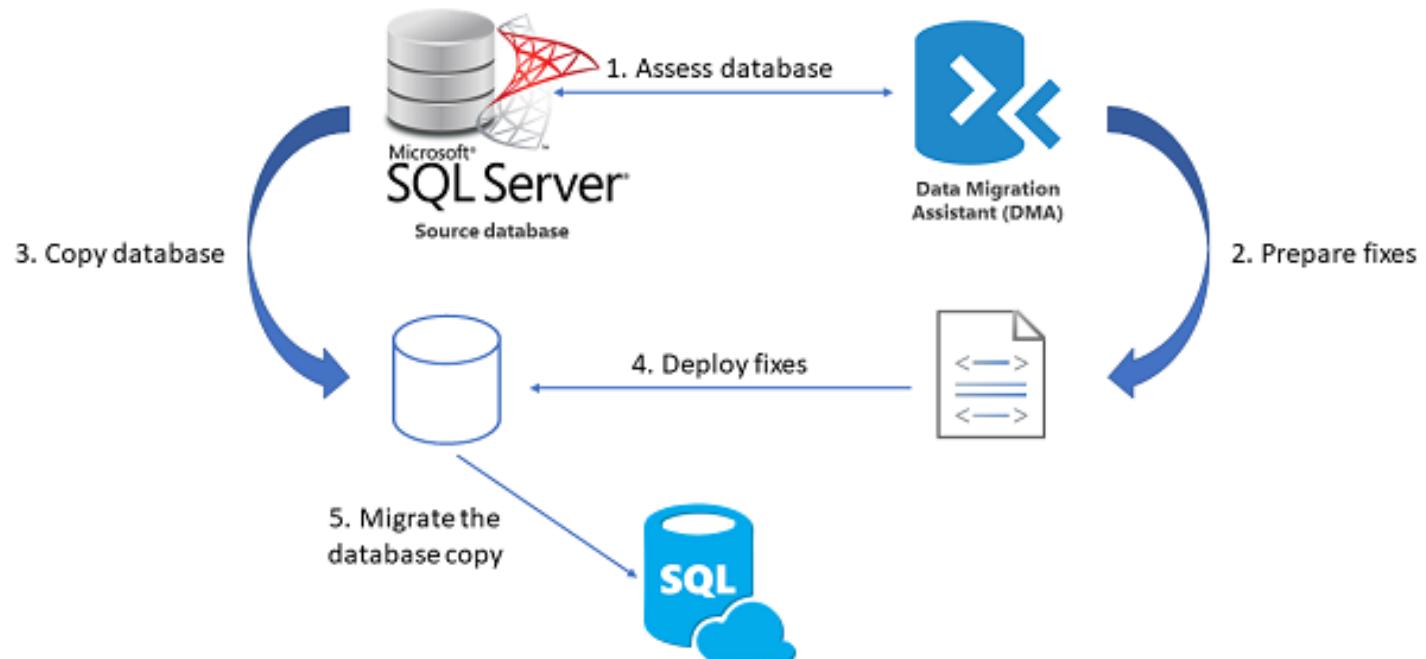
- Enables seamless migrations from multiple database sources to Azure
- The service uses the Data Migration Assistant
- Azure Database Migration Service performs all of the required steps of Migration

Migrate databases to Azure with familiar tools

- DMS integrates functionality of existing tools and services
- Uses the Data Migration Assistant to generate assessment reports

DMS Architecture

Azure SQL Database migration



DMS Scenarios

- Migration of SQL Server to Azure SQL DB offline
- Migration of SQL Server to Azure SQL DB online
- Migration of SQL Server to Azure SQL DB Managed Instance
- Migration of PostgreSQL to Azure DB for PostgreSQL
- Migration of MySQL to Azure DB for MySQL

Demo - Migrating SQL Server to Azure SQL Database DMS

Preparing the Environment for Migration

Create an Azure SQL Database

Microsoft Azure

Search resources, services, and docs

Create a resource

Home

Dashboard

All services

FAVORITES

App Services

Subscriptions

Resource groups

Recent

Virtual machines (classic)

All resources

Virtual machines

Azure Active Directory

SQL databases

App Service plans

Cloud services (classic)

Monitor

Security Center

Virtual networks

Storage accounts

Cost Management + Bill...

Dashboard > New

New

Search the Marketplace

Azure Marketplace See all

Get started

Recently created

Compute

Networking

Storage

Web

Mobile

Containers

Databases

Analytics

AI + Machine Learning

Internet of Things

Mixed Reality

Integration

Security

Identity

Developer Tools

Featured See all

Azure SQL Managed Instance
Quickstart tutorial

SQL Database
Quickstart tutorial

SQL Data Warehouse
Quickstart tutorial

Azure Database for MariaDB
Learn more

Couchbase Enterprise Edition
(Hourly Pricing) (preview)
Learn more

PREVIEW

Azure Database for MySQL
Quickstart tutorial

Azure Database for PostgreSQL
Quickstart tutorial

Azure Cosmos DB
Quickstart tutorial

We will use this blank database as our destination for the data that will be migrated from on-premises database.

Microsoft Azure

Search resources, services, and docs

Dashboard > New > Create SQL Database

Create SQL Database

Basics Additional settings Tags Review + create

Changing basic options may reset selections you have made. Please review all options prior to creating the database.

Create a SQL database with your preferred configurations. Complete the Basics tab then go to Review + Create to provision with smart defaults, or visit each tab to customize. [Learn more](#)

PROJECT DETAILS

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

* Subscription: Visual Studio Enterprise 0

* Resource group: (New) DBMigration

Create new

DATABASE DETAILS

Enter required settings for this database, including picking a logical server and configuring the compute and storage resources

* Database name: fabrikamdb

* Server: Select a server

Create new

* Want to use SQL elastic pool? Yes No

Review + create Next : Additional settings >> Download a template for automation

New server

* Server name: fabrikamserver.database.windows.net

* Server admin login: fabrikamuser

* Password: [REDACTED]

* Confirm password: [REDACTED]

* Location: Southeast Asia

Allow Azure services to access server

Select

This screenshot shows the Microsoft Azure 'Create SQL Database' wizard. The main interface displays 'PROJECT DETAILS' and 'DATABASE DETAILS' sections. A red box highlights the 'Subscription' dropdown set to 'Visual Studio Enterprise 0' and the 'Resource group' dropdown set to '(New) DBMigration'. Another red box highlights the 'Database name' field containing 'fabrikamdb'. A third red box highlights the 'Server' dropdown with 'Select a server' and the 'Create new' button. Below these, a radio button for 'Want to use SQL elastic pool?' is selected. At the bottom, a red box highlights the 'Review + create' button. To the right, a 'New server' configuration overlay is shown with fields for 'Server name' (set to 'fabrikamserver'), 'Server admin login' (set to 'fabrikamuser'), 'Password' (redacted), 'Confirm password' (redacted), 'Location' (set to 'Southeast Asia'), and a checked 'Allow Azure services to access server' checkbox. A final 'Select' button is highlighted with a red box.

Create SQL Server VM in Azure which will be considered as On-premises server in which the database will be residing.

Navigation sidebar with various icons and categories:

- My Saved List (0)
- Get Started
- Compute
- Networking
- Storage
- Web
- Mobile
- Containers
- Databases
- Analytics
- AI + Machine Learning
- Internet of Things
- Mixed Reality
- Integration
- Security
- Identity

Marketplace



Get Started



sql server

Pricing

All

Operating System

All

Publisher

All

Results

NAME	PUBLISHER	CATEGORY	
SQL Server Module	Microsoft	Databases	
SQL Server 2014SP2 on Windows Server 2012R2	Microsoft	Compute	
ScaleArc for SQL Server	ScaleArc	Compute	
SQL Server 2016 SP1 on Windows Server 2016	Microsoft	Compute	
DgSecure for SQL Server	Dataguise	Analytics	
SQL Server 2012 SP4 on Windows Server 2012 R2	Microsoft	Compute	
ScaleArc for SQL Server (pay-go)	ScaleArc	Compute	
SQL Server 2017 on Windows Server 2016	Microsoft	Compute	
SQL server (logical server)	Microsoft	Databases	
Free SQL Server License: SQL Server 2017 Express on SUSE Linux Enterprise Server (SLES) 12 SP2	Microsoft	Databases	
SQL Server AlwaysOn Cluster	Microsoft	Management Tools	

[Dashboard](#) > [New](#) > [Marketplace](#) > [Get Started](#) > SQL Server 2016 SP1 on Windows Server 2016

SQL Server 2016 SP1 on Windows Server 2016

Microsoft



SQL Server 2016 SP1 on Windows Server 2016

Microsoft

Select a software plan

Free License: SQL Server 2016 SP1 Developer

Select a deployment model

Resource Manager

[Create](#)[Save for later](#)[Overview](#) [Plans](#)

SQL Server 2016 SP1 Developer, Enterprise, Express, Standard, Web Images on windows server 2016

Useful Links

[Documentation](#)[SQL Server 2016 information](#)[Support forum](#)[Pricing details](#)

Create a virtual machine

[Basics](#) [Disks](#) [Networking](#) [Management](#) [Advanced](#) [SQL Server settings](#) [Tags](#) [Review + create](#)

Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image.

Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization.

Looking for classic VMs? [Create VM from Azure Marketplace](#)

PROJECT DETAILS

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

* Subscription

Visual Studio Enterprise 0

* Resource group

(New) SQLVM

[Create new](#)

INSTANCE DETAILS

* Virtual machine name

fabrikamonprevmvm

* Region

(US) East US

Availability options

No Infrastructure redundancy required

* Image

Free License: SQL Server 2016 SP1 Developer on Windows Server 2016

[Browse all images](#)

* Size

Standard DS2 v2

2 vcpus, 7 GB memory

[Change size](#)[Review + create](#)[Previous](#)[Next : Disks >](#)

Create a virtual machine

ADMINISTRATOR ACCOUNT

* Username

fabrikamuser



* Password



* Confirm password



INBOUND PORT RULES

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

* Public inbound ports

 None Allow selected ports

* Select inbound ports

RDP



These ports will be exposed to the internet. Use the Advanced controls to limit inbound traffic to known IP addresses. You can also update inbound traffic rules later.

SAVE MONEY

Save up to 49% with a license you already own using Azure Hybrid Benefit. [Learn more](#)

* Already have a Windows license?

 Yes No

* License type

Windows Server

* Confirmation



I confirm I have an eligible Windows license with Software Assurance or Windows Server subscription to apply this Azure Hybrid Benefit.

[Review Azure hybrid benefit compliance](#)[Review + create](#)[Previous](#)[Next : Disks >](#)

Create a virtual machine

[Basics](#) [Disks](#) [Networking](#) [Management](#) [Advanced](#) **SQL Server settings** [Tags](#) [Review + create](#)

SECURITY & NETWORKING

* SQL connectivity

* Port

SQL AUTHENTICATION

SQL Authentication

* Login name

* Password

Azure Key Vault integration

STORAGE CONFIGURATION

Select your desired performance, storage size, and workload to optimize the storage on your virtual machine.

Storage

General

5000 IOPS, 96 MBps Throughput, 1 TB

[Change configuration](#)

SQL SERVER LICENSE

[Save up to 43% with licences you already own. Already have a SQL Server licence? Learn more](#)**Review + create**[Previous](#)[Next : Tags >](#)

Navigate to **SQL Server settings** and choose configurations as shown in the screenshot. Make sure to do as it is to avoid error during the authentication with database. After completing the configuration, click on **Review + create**.



Create a virtual machine

✓ Validation passed

Basics Disks Networking Management Advanced SQL Server settings Tags Review + create

PRODUCT DETAILS

SQL Server 2016 SP1 on Windows Server 2016 **Pricing not available for this offering**

by Microsoft

[Terms of use](#) | [Privacy policy](#)

Standard DS2 v2

by Microsoft

[Terms of use](#) | [Privacy policy](#)

Subscription credits apply ⓘ

9.6501 INR/hr

[Pricing for other VM sizes](#)

TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

BASICS

Subscription Visual Studio Enterprise 0

Resource group (new) SQLVM

Virtual machine name fabrikamvm

Create

[Previous](#)

[Next](#)

[Download a template for automation](#)

Microsoft Azure

Search resources, services, and docs

Dashboard > CreateVm-MicrosoftSQLServer.SQL2016SP1-WS2016-SQL-20190425112543 - Overview > SQLVM - Deployments > Cr...

CreateVm-MicrosoftSQLServer.SQL2016SP1-WS2016-SQL-20190425112543 - Overview

Deployment

Search (Ctrl+ /)

Delete Cancel Redeploy Refresh

Overview

Inputs

Outputs

Template

Your deployment is complete

Check the status of your deployment, manage resources, or troubleshoot deployment dashboard to easily find it next time.

Deployment name: CreateVm-MicrosoftSQLServer.SQL2016SP1-WS2016
Subscription: Visual Studio Enterprise 0
Resource group: SQLVM

DEPLOYMENT DETAILS (Download)

Start time: 11:28:49
Duration: 10 minutes 11 seconds
Correlation ID: 4f8044f6-fb54-4a5d-b01a-15b2ed0cb24a

Type	Status
Microsoft.DevTestLab/sc...	Created
Microsoft.SqlVirtualMac...	OK
Microsoft.Compute/virtu...	OK
Microsoft.Network/netw...	Created
Microsoft.Network/netw...	OK
Microsoft.Network/virtu...	OK
Microsoft.Network/public...	OK
Microsoft.Storage/stora...	OK

Notifications

More events in the activity log → Dismiss all ...

Deployment succeeded Deployment 'CreateVm-MicrosoftSQLServer.SQL2016SP1-WS2016-SQL-20190425112543' to resource group 'SQLVM' was successful. Go to resource Pin to dashboard a few seconds ago

Created security rule Successfully created security rule 'Port_8080'. 37 minutes ago

Deleted security rule Successfully deleted security rule 'dfj'. an hour ago

Created security rule Successfully created security rule 'dfj'. an hour ago

Deployment succeeded Deployment 'Microsoft.VirtualNetwork-20190425093312' to resource group 'DBMigration' was successful. Go to resource Pin to dashboard 2 hours ago

₹6,496.78 credit remaining Subscription 'Visual Studio Enterprise 0' has a remaining credit of ...

Microsoft Azure

Search resources, services, and docs

Dashboard > SQLVM

fabrikamonpremvm Virtual machine

Search (Ctrl+ /)

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Networking

Disks

Size

Security

Extensions

Continuous delivery (Preview)

Availability set

Configuration

Identity

SQL Server configuration

Properties

fabrikamonpremvm.rdp

Connect Start Restart Stop Capture Delete Refresh

Resource group (change) : SQLVM

Status : Running

Location : East US

Subscription (change) : Visual Studio Enterprise 0

Subscription ID : a4df3501-cded-4709-a48b-bc4584f32d7e

Tags (change) Click here to add tags

Show data for last: 1 hour 6 hours 12 hours 1 day 7 days 30 days

CPU (average)

Network (total)

To improve security, enable just-in-time access on this VM.

RDP SSH

To connect to your virtual machine via RDP, select an IP address, optionally change the port number, and download the RDP file.

* IP address Public IP address (40.121.59.97)

* Port number 3389

Download RDP File

Inbound traffic to the Public IP address may be blocked. You can update inbound port rules in the VM Networking page.

You can troubleshoot VM connection issues by opening the Diagnose and solve problems page.

Go to the Overview page of the VM and click on connect to download RDP file to connect with the VM for configuring database in it.

Search (Ctrl+ /) <

Connect Start Restart Stop Capture Delete Refresh

Resource group (change) : SQLVM Computer na

Status : Running Operating sy

Location : East US Size

Subscription

Subscription

Tags (change)

The publisher of this remote connection can't be identified. Do you want to connect anyway?

This remote connection could harm your local or remote computer. Do not connect unless you know where this connection came from or have used it before.

Publisher: Unknown publisher
Type: Remote Desktop Connection
Remote computer: 40.121.59.97

Don't ask me again for connections to this computer

Show Details

Connect Cancel

CPU (avg) 100% 80% 60% 40% 20% 0% 10:45 11 11:15 11:30 Percentage CPU (Avg) SQLVM

14.31MiB 9.54MiB 4.77MiB 0B 10:45 11 11:11 Network In Total (Sum) SQLVM Network Out SQLVM

RDP SSH

To connect to your virtual machine via RDP, select an IP address, optionally change the port number, and download the RDP file.

* IP address Public IP address (40.121.59.97)

* Port number 3389

Download RDP File

Inbound traffic to the Public IP address may be blocked. You can update inbound port rules in the VM Networking page.

You can troubleshoot VM connection issues by opening the Diagnose and solve problems page.

The screenshot shows the Azure portal interface for managing a virtual machine. On the left, the sidebar includes icons for various services like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Networking, Disks, Size, Security, Extensions, Continuous delivery (Preview), Availability set, Configuration, Identity, SQL Server configuration, Properties, and Locks. The main content area displays the following details for a VM named SQLVM:

- Resource group (change) : SQLVM
- Status : Running
- Location : East US
- Subscription (change)
- Subscription ID
- Tags (change)

A modal window titled "Windows Security" is open, prompting for credentials to connect via RDP. The fields shown are:

- User name: kishore
- Password: (redacted)
- Remember me:
- OK button (highlighted with a red box)
- Cancel button

Below the modal, there are two charts: "CPU (average)" and "Network In Total (Sum)".

RDP SSH

To connect to your virtual machine via RDP, select an IP address, optionally change the port number, and download the RDP file.

* IP address: Public IP address (40.121.59.97)

* Port number: 3389

Download RDP File

i Inbound traffic to the Public IP address may be blocked. You can update inbound port rules in the **VM Networking** page.

wrench You can troubleshoot VM connection issues by opening the **Diagnose and solve problems** page.

Provide the credentials you gave while creating the SQL Server VM and login.



Search (Ctrl+)

Connect Start Restart Stop Capture Delete Refresh

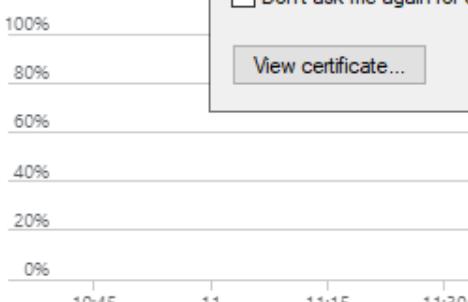
Resource group (change) : SQLVM

Status
Location
Subscription (change)
Subscription ID

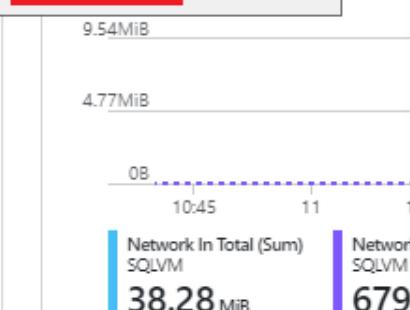
Tags (change)

Show data for last:

CPU (average)

Percentage CPU (Avg)
SQLVM

--



Connect to virtual machine

SQLVM

! To improve security, enable just-in-time access on this VM. [→](#)

RDP SSH

To connect to your virtual machine via RDP, select an IP address, optionally change the port number, and download the RDP file.

* IP address

Public IP address (40.121.59.97)

* Port number

3389

Download RDP File

Inbound traffic to the Public IP address may be blocked. You can update inbound port rules in the **VM Networking** page.You can troubleshoot VM connection issues by opening the **Diagnose and solve problems** page.



Recycle Bin



SQL Server -
Getting st...



Networks



Network

Do you want to allow your PC to be discoverable by other PCs and devices on this network?

We recommend allowing this on your home and work networks, but not public ones.

Yes

No



Dashboard

Local Server

All Servers

PROPERTIES

For SQLVM

TASKS ▾

Computer name	SQLVM	Last installed updates	Never
Workgroup	WORKGROUP	Windows Update	Download updates only, using Microsoft Update
		Last checked for updates	Never
Windows Firewall	Public: On	Windows Defender	Real-Time Protection: On
Remote management	Enabled	Feedback & Diagnostics	Settings
Remote Desktop	Enabled	IE Enhanced Security Configuration	On
NIC Teaming	Disabled	Time zone	(UTC) Coordinated Universal Time
Ethernet 2	IPv4 address assigned by DHCP, IPv6 enabled	Product ID	00376-40000-00000-AA947 (activated)
Operating system version	Microsoft Windows Server 2016 Datacenter	Processors	Intel(R) Xeon(R) CPU E5-2673 v4 @ 2.30GHz
Hardware information	Microsoft Corporation Virtual Machine	Installed memory (RAM)	7 GB
		Total disk space	1162.38 GB

EVENTS

All events | 0 total

TASKS ▾

Server Name	ID	Severity	Source	Log	Date and Time

Turn off the IE Enhanced Security Configuration to disable proxy to access internet.



Dashboard

Local Server

All Servers

PROPERTIES
For SQLVM

TASKS ▾

Computer name	SQLVM	Updates	Never
Workgroup	WORKGROUP	Download updates	Download updates only, using Microsoft Update
Windows Firewall	Public: On	Real-Time Protection	On
Remote management	Enabled	Settings	
Remote Desktop	Enabled	Security Configuration	On
NIC Teaming	Disabled	(UTC) Coordinated Universal Time	00376-40000-00000-AA947 (activated)
Ethernet 2	IPv4 address	(RAM)	Intel(R) Xeon(R) CPU E5-2673 v4 @ 2.30GHz
Operating system version	Microsoft	7 GB	7 GB
Hardware information	Microsoft	1162.38 GB	1162.38 GB

EVENTS

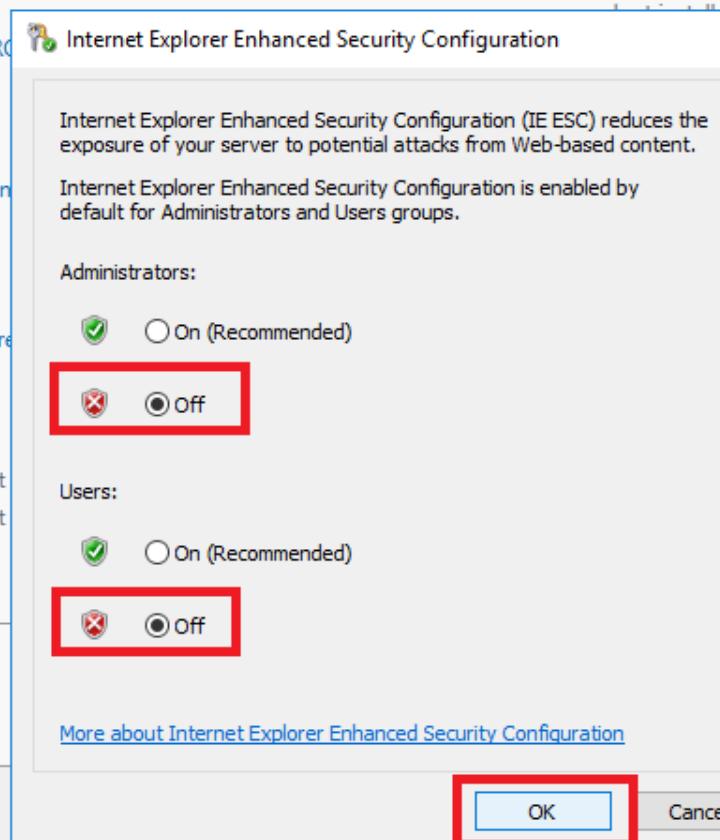
All events | 0 total

Filter

OK

Cancel

Server Name ID Severity Source Log Date and Time



Evaluation Edition

Select an installation type:

Basic

Select Basic installation type to install the SQL Server Database Engine feature with default configuration.

Custom

Select Custom installation type to step through the SQL Server installation wizard and choose what you want to install. This installation type is detailed and takes longer than running the Basic install.

Download Media

Download SQL Server setup files now and install them later on a machine of your choice.

Configuring SQL Server:

Download SQL Server Setup and install it if in case you don't have it installed. We need an additional service name **SQL Server Full Text Search** enabled in the SQL Server for implementing some sample workloads into them. Azure virtual machines do not come with this service enabled in them by default. Hence download the setup of SQL Server from here - <https://www.microsoft.com/en-us/evalcenter/evaluate-sql-server-2017-rtm> to modify the SQL Server configuration in VM. After downloading it, open the ISO image.

Evaluation Edition

Specify SQL Server installer download

SELECT LANGUAGE

English

WHICH PACKAGE WOULD YOU LIKE TO DOWNLOAD?

- ISO (1474 MB)
Uncompressed, mountable disk image media
- CAB (1536 MB)
Compressed media, .exe and .box files

Or, go to the Microsoft Azure portal to provision SQL Server in the cloud

SELECT DOWNLOAD LOCATION

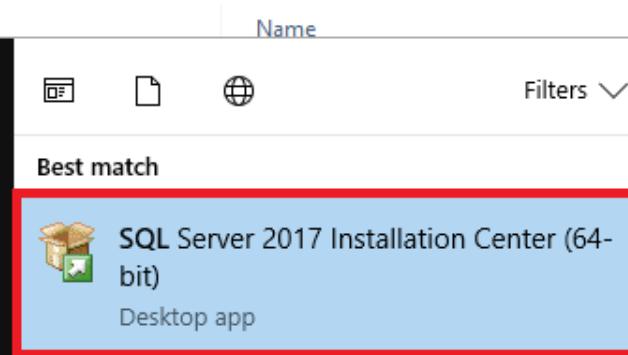
C:\Users\kishore\Downloads

 Browse

Close

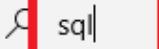
< Previous

Download



Name	Date modified	Type	Size
Compressed (zipp...)		12,629 KB	
Disc Image File		15,10,002 KB	

Now you can open the setup
or find the SQL Server Installer
in the start menu and open it.



Planning

Installation

Maintenance

Tools

Resources

Advanced

Options

[New SQL Server stand-alone installation or add features to an existing installation](#)

Launch a wizard to install SQL Server 2017 in a non-clustered environment or to add features to an existing SQL Server 2017 instance.

[Install SQL Server Reporting Services](#)

Launch a download page that provides a link to install SQL Server Reporting Services. An internet connection is required to install SSRS.

[Install SQL Server Management Tools](#)

Launch a download page that provides a link to install SQL Server Management Studio, SQL Server command-line utilities (SQLCMD and BCP), SQL Server PowerShell provider, SQL Server Profiler and Database Tuning Advisor. An internet connection is required to install these tools.

[Install SQL Server Data Tools](#)

Launch a download page that provides a link to install SQL Server Data Tools (SSDT). SSDT provides Visual Studio integration including project system support for Azure SQL Database, the SQL Server Database Engine, Reporting Services, Analysis Services and Integration Services. An internet connection is required to install SSDT.

[New SQL Server failover cluster installation](#)

Launch a wizard to install a single-node SQL Server 2017 failover cluster.

[Add node to a SQL Server failover cluster](#)

Launch a wizard to add a node to an existing SQL Server 2017 failover cluster.

[Upgrade from a previous version of SQL Server](#)

Launch a wizard to upgrade a previous version of SQL Server to SQL Server 2017.

[New Machine Learning Server \(Standalone\) installation](#)

Launch a wizard to install Machine Learning Server (Standalone) on a Windows machine. This is typically used by data scientists as a standalone analysis server or as a SQL Server Machine Learning Services client.

Once you open the setup menu, click on the **Installation** option and choose the menu as denoted below.

Planning

Installation

Maintenance

Tools

Resources

Advanced

Options

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2017 in a non-clustered environment or to add features to an existing SQL Server 2017 instance.

SQL Server 2017 Setup

Microsoft Update

Use Microsoft Update to check for important updates

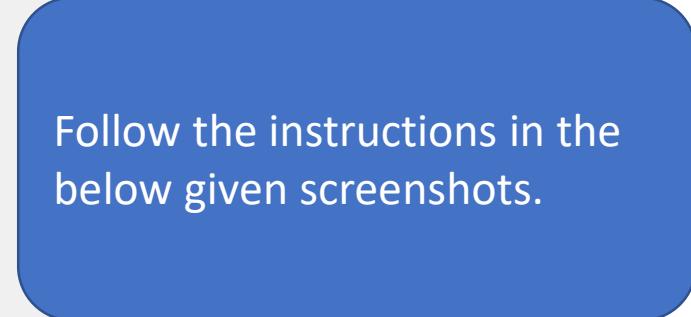
Global Rules
Microsoft Update
Product Updates
Install Setup Files
Install Rules
Installation Type
Product Key
License Terms
Feature Selection
Feature Rules
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

Microsoft Update offers security and other important updates for Windows and other Microsoft software, including SQL Server 2017. Updates are delivered using Automatic Updates, or you can visit the Microsoft Update website.

Use Microsoft Update to check for updates (recommended)

[Microsoft Update FAQ](#)
[Microsoft Update Privacy Statement](#)

< Back **Next >** Cancel



Follow the instructions in the below given screenshots.

Microsoft SQL Server 2017



Type here to search



ENG

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2017 in a non-clustered environment or to add features to an existing SQL Server 2017 instance.

SQL Server 2017 Setup

Install Rules

Setup rules identify potential problems that might occur while running Setup. Failures must be corrected before Setup can continue.

Global Rules Microsoft Update Product Updates Install Setup Files **Install Rules** Installation Type Product Key License Terms Feature Selection Feature Rules Feature Configuration Rules Ready to Install Installation Progress Complete

Operation completed. Passed: 3. Failed 0. Warning 1. Skipped 0.

Hide details << Re-run View detailed report

Rule	Status
✓ Fusion Active Template Library (ATL)	Passed
✓ Consistency validation for SQL Server registry keys	Passed
✓ Computer domain controller	Passed
⚠ Windows Firewall	Warning

< Back **Next >** Cancel

PowerShell provider, SQL Server Profiler and support for Azure SQL Database, the SQL Server s server or as a SQL Server Machine Learning

Planning

Installation

Maintenance

Tools

Resources

Advanced

Options

Microsoft SQL Server 2017

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2017 in a non-clustered environment or to add features to an existing SQL Server 2017 instance.

SQL Server 2017 Setup

Installation Type

Perform a new installation or add features to an existing instance of SQL Server 2017.

Perform a new installation of SQL Server 2017
Select this option if you want to install a new instance of SQL Server or want to install shared components.

Add features to an existing instance of SQL Server 2017
MSSQLSERVER
Select this option if you want to add features to an existing instance of SQL Server. For example, you want to add the Analysis Services features to the instance that contains the Database Engine. Features within an instance must be the same edition.

Installed instances:

Instance Name	Instance ID	Features	Edition	Version
MSSQLSERVER	MSSQL14.MSSQLS...	SQLEngine	Developer	14.0.1000.169

< Back **Next >** Cancel

PowerShell provider, SQL Server Profiler and

support for Azure SQL Database, the SQL Server

server or as a SQL Server Machine Learning



Type here to search



Planning

Installation

Maintenance

Tools

Resources

Advanced

Options

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2017 in a non-clustered environment or to add features to an existing SQL Server 2017 instance.

SQL Server 2017 Setup

Feature Selection

Select the Developer features to install.

Global Rules
Microsoft Update
Product Updates
Install Setup Files
Install Rules
Installation Type
Feature Selection
Feature Rules
Server Configuration
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

Looking for Reporting Services? [Download it from the web](#)

Features:

Instance Features	Feature description:
<input checked="" type="checkbox"/> Database Engine Services	The configuration and operation of each instance feature of a SQL Server instance is
<input type="checkbox"/> SQL Server Replication	
<input type="checkbox"/> Machine Learning Services (In-Database)	
<input type="checkbox"/> R	
<input type="checkbox"/> Python	
<input checked="" type="checkbox"/> Full-Text and Semantic Extractions for Search	
<input type="checkbox"/> Data Quality Services	
<input type="checkbox"/> PolyBase Query Service for External Data	
<input type="checkbox"/> Analysis Services	

Prerequisites for selected features:

Disk Space Requirements

Drive C: 420 MB required, 44995 MB available

Select All Unselect All

Instance root directory: C:\Program Files\Microsoft SQL Server\

Shared feature directory: C:\Program Files\Microsoft SQL Server\

Shared feature directory (x86): C:\Program Files (x86)\Microsoft SQL Server\

< Back **Next >** Cancel

In this page, select the **Full Text and Semantic Extensions** and click **Next**.

Microsoft SQL Server 2017



Type here to search



ENG

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2017 in a non-clustered environment or to add features to an existing SQL Server 2017 instance.

SQL Server 2017 Setup

Server Configuration

Specify the service accounts and collation configuration.

Service Accounts

Microsoft recommends that you use a separate account for each SQL Server service.

Service	Account Name	Password	Startup Type
SQL Full-text Filter Daemon Launcher	NT Service\MSQLFDDa...		Manual

< Back **Next >** Cancel

Planning

Installation

Maintenance

Tools

Resources

Advanced

Options

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2017 in a non-clustered environment or to add features to an existing SQL Server 2017 instance.

SQL Server 2017 Setup

Ready to Install

Verify the SQL Server 2017 features to be installed.

Ready to install SQL Server 2017:

- Features
 - Full-Text and Semantic Extractions for Search
- Instance configuration
 - Instance ID: MSSQLSERVER
 - Instance IDs
 - SQL Database Engine: MSSQL14.MSSQLSERVER
 - Instance Directory: C:\Program Files\Microsoft SQL Server\
 - Shared component root directory
 - Shared feature directory: C:\Program Files\Microsoft SQL Server\
 - Shared feature (WOW64) directory: C:\Program Files (x86)\Microsoft SQL Server\
 - Product Update
 - Update Enabled: True
 - Update Source: MU
 - Instance configuration
 - SQL Full-text Filter Daemon Launcher
 - Service Configuration
 - Account: NT Service\MSSQLFDLauncher
 - Startup Type: Manual

Configuration file path:
C:\Program Files\Microsoft SQL Server\140\Setup Bootstrap\Log\20180814_041834\ConfigurationFile.ini

< Back **Install** Cancel

Microsoft SQL Server 2017



Type here to search



ENG

New SQL Server stand-alone installation or add features to an existing installation
Launch a wizard to install SQL Server 2017 in a non-clustered environment or to add features to an existing SQL Server 2017 instance.

SQL Server 2017 Setup

Complete

Your SQL Server 2017 installation completed successfully with product updates.

Information about the Setup operation or possible next steps:

Feature	Status
Full-Text and Semantic Extractions for Search	Succeeded

Details:

Install successful.

Summary log file has been saved to the following location:
C:\Program Files\Microsoft SQL Server\140\Setup Bootstrap\Log\20180814_041834\Summary_VSVM_20180814_041834.txt

Close

Now we have configured the SQL server with all the required features. Let's upload a sample database into the server now.

Microsoft/sql-server-sai X + -

GitHub, Inc. [US] https://github.com/Microsoft/sql-server-samples

Search or jump to... / Pull requests Issues Marketplace Explore

Microsoft / sql-server-samples

Code Issues 52 Pull requests 15 Projects 0 Wiki Insights

Official Microsoft GitHub Repository containing code samples for SQL Server

1,351 commits 34 branches 15 releases

Branch: master New pull request Create new file Upload files Find file Clone or download

meet-bhagdev Update requirements.txt
media New auto tuning demo
samples Update requirements.txt
.gitattributes lfs test
.gitignore Updated Gitignore file w/ Visual Studio template from the
README.md Update README.md
README_samples_template.md Update README_samples_template.md
license.txt MIT license
README.md

Clone with HTTPS Use SSH
Use Git or checkout with SVN using the web URL.
<https://github.com/Microsoft/sql-server-samples>

Open in Desktop Open in Visual Studio

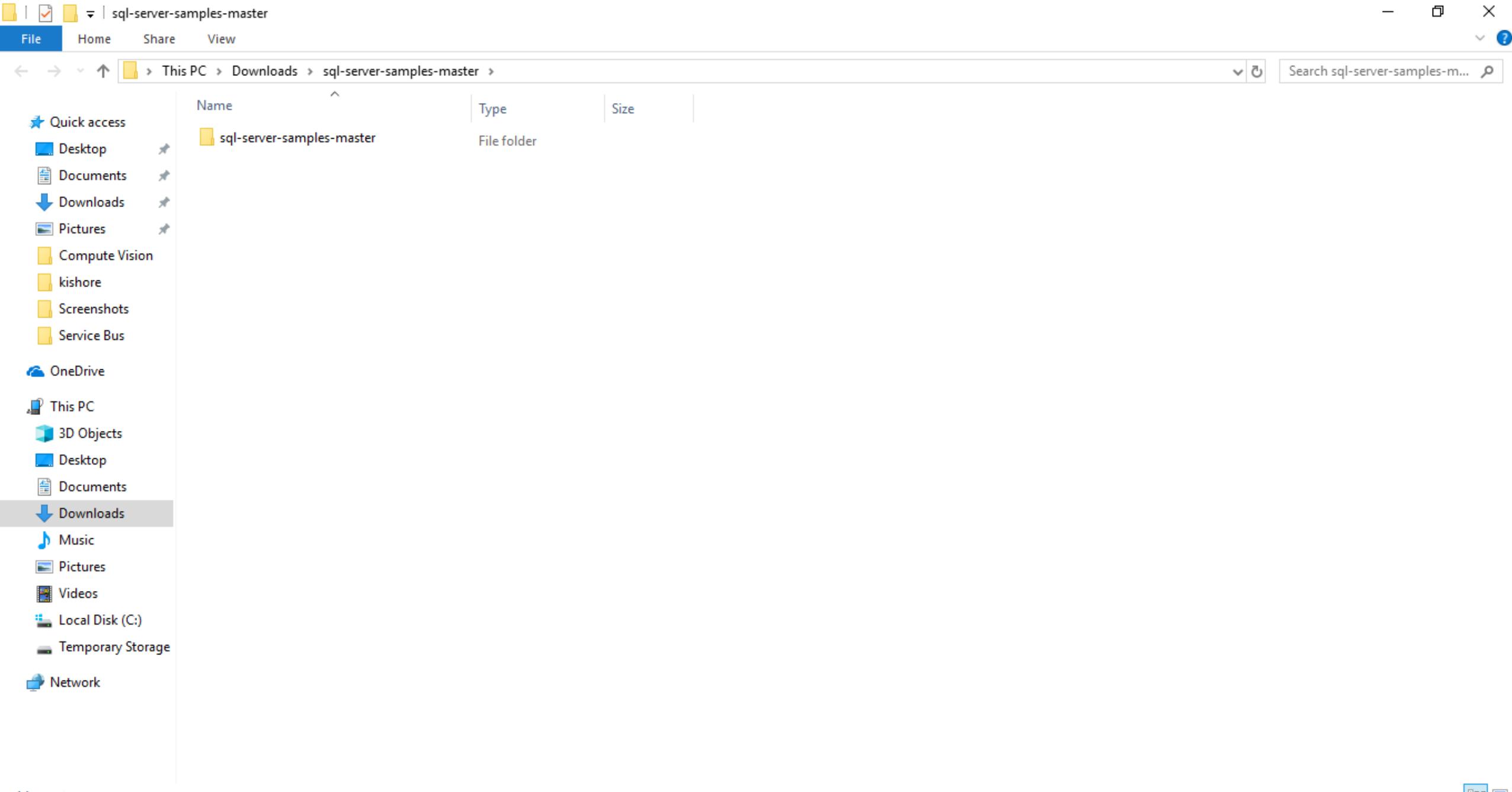
Download ZIP

Adding Sample Data into SQL Database:
Download a sample dataset from the link - <https://github.com/Microsoft/sql-server-samples>. This dataset is in GitHub. Download it and extract it somewhere in your machine.

Type here to search

Windows icon

ENG



Type here to search



g 8 8 8 ENG



File Home Share View

This PC > Downloads > sql-server-samples-master > sql-server-samples-master > samples > databases > adventure-works > data-warehouse-install-script

Search data-warehouse-instal...

Quick access

- Desktop
- Documents
- Downloads
- Pictures
- kishore
- Local Disk (C:)
- New folder
- Screenshots

OneDrive

This PC

3D Objects

Desktop

Documents

Downloads

Music

Pictures

Videos

Local Disk (C:)

Temporary Storage

DVD Drive (E:) SqlSe

Network

Name

Type

Size

Name	Type	Size
DimCurrency	Microsoft Excel C...	8,538 KB
DimCustomer	Microsoft Excel C...	694 KB
DimDate	Microsoft Excel C...	1 KB
DimDepartmentGroup	Microsoft Excel C...	18,130 KB
DimEmployee	Microsoft Excel C...	111 KB
DimGeography	Microsoft Excel C...	1 KB
DimOrganization	Microsoft Excel C...	1 KB
DimProduct	Microsoft Excel C...	17,694 KB
DimProductCategory	Microsoft Excel C...	1 KB
DimProductSubcategory	Microsoft Excel C...	4 KB
DimPromotion	Microsoft Excel C...	8 KB
DimReseller	Microsoft Excel C...	219 KB
DimSalesReason	Microsoft Excel C...	1 KB
DimSalesTerritory	Microsoft Excel C...	1,716 KB
DimScenario	Microsoft Excel C...	1 KB
FactAdditionalInternationalProductDescr...	Microsoft Excel C...	3,777 KB
FactCallCenter	Microsoft Excel C...	21 KB
FactCurrencyRate	Microsoft Excel C...	1,930 KB
FactFinance	Microsoft Excel C...	4,089 KB
FactInternetSales	Microsoft Excel C...	20,485 KB
FactInternetSalesReason	Microsoft Excel C...	1,646 KB
FactProductInventory	Microsoft Excel C...	58,001 KB
FactResellerSales	Microsoft Excel C...	25,072 KB
FactSalesQuota	Microsoft Excel C...	17 KB
FactSurveyResponse	Microsoft Excel C...	347 KB
instadwdb	Microsoft SQL Ser...	110 KB
NewFactCurrencyRate	Microsoft Excel C...	4 KB
ProspectiveBuyer	Microsoft Excel C...	700 KB
sysdiagrams	Microsoft Excel C...	701 KB

31 items

Navigate to a folder named data-warehouse-install-script by using the path **sql-server-samples-master\sql-server-samples-master\samples\databases\adventure-works\data-warehouse-install-script**

This is where the sample data is available. Now, let us add this sample data into the database. Open the file **instadwdb** which contains script to upload these data into database.

Type here to search

e

File Home Share View

Search data-warehouse-instal...

ENG

2

instawdbdw.sql - Microsoft SQL Server Management Studio

File Edit View Tools Window Help

New Query NDX DMX XMLA DAX Execute Debug Generic Debugger

instawdbdw.sql

```
/*
File: instawdb.sql

Summary: Creates the AdventureWorksDW sample database.
any version of SQL Server (2008R2 or later) to get Adve
current version.

Date: October 26, 2017
Updated: October 26, 2017

-----
This file is part of the Microsoft SQL Server Code Samp
Copyright (C) Microsoft Corporation. All rights reserv
This source code is intended only as a supplement to Mi
Development Tools and/or on-line documentation. See th
materials for detailed information regarding Microsoft

All data in this database is fictitious.

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KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A
PARTICULAR PURPOSE.
=====
*/
* HOW TO RUN THIS SCRIPT:
*
* 1. Enable full-text search on your SQL Server instance.
*
* 2. Open the script inside SQL Server Management Studio and enable SQLCMD mode.
```

Disconnected.

Properties

Connect to Database Engine

SQL Server

Server type: Database Engine

Server name: fabrikamonpremvm

Authentication: Windows Authentication

User name: VSVM\kishore

Password:

Remember password

Connect Cancel Help Options >

This script will now open in **SQL Server Management Studio**. There connect to your local server by entering the credentials of your SQL Server that you gave while creating the VM.



Type here to search



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INS

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Col 1

Ch 1

instawdbdw.sql - VSVM.master (VSVM\kishore (52)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Connection

- Open Server in Object Explorer Alt+F8
- Specify Values for Template Parameters... Ctrl+Shift+M
- Execute F5
- Cancel Executing Query Alt+Break
- Parse Ctrl+F5
- Display Estimated Execution Plan Ctrl+L
- IntelliSense Enabled Ctrl+B, Ctrl+I
- Trace Query in SQL Server Profiler Ctrl+Alt+P
- Analyze Query in Database Engine Tuning Advisor
- Design Query in Editor... Ctrl+Shift+Q
- Include Actual Execution Plan Ctrl+M
- Include Live Query Statistics
- Include Client Statistics Shift+Alt+S
- Reset Client Statistics
- SQLCMD Mode
- Results To
- Query Options...

master

Registered Servers

Database Eng

Object Explorer

Connect

- VSVM (SQL Se
- Databases
- Security
- Server Obj
- Replicatio
- PolyBase
- Always On
- Management
- Integration
- SQL Server Agent (Agent XI)
- XEvent Profiler

sample database. Run this on
er) to get AdventureWorksDW for your

erver Code Samples.
l rights reserved.
plement to Microsoft
tation. See these other
ding Microsoft code samples.

AS IS" WITHOUT WARRANTY OF ANY
DING BUT NOT LIMITED TO THE
D/OR FITNESS FOR A

=====
/*
* HOW TO RUN THIS SCRIPT:
*
* 1. Enable full-text search on your SQL Server instance.
*
* 2. Open the script inside SQL Server Management Studio and enable SQLCMD mode.
* This option is in the Query menu.
*
* 3. Copy this script and the install files to C:\Samples\AdventureWorksDW, or

100 %

Connected. (1/1) VSVM (14.0 RTM) VSVM\kishore (52) master 00:00:00 0 rows

Properties

Current connection parameters

Aggregate Status

- Connection failure:
- Elapsed time
- Finish time
- Name VSVM
- Rows returned 0
- Start time
- State Open

Connection

- Connection name VSVM (VSVM\kishore)

Connection Details

- Connection elapsed
- Connection encrypt Not encrypted

Once after the query opens, click your mouse in the query pane. This will show you Query menu at the top. Click the **Query** menu and choose **SQL CMD Mode** to execute the script.

instawdbdw.sql - VSVM.master (VSVM\kishore (52))* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

New Query ND XML DAT Generic Debugger

master Execute Debug

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=====

```
/*
 * HOW TO RUN THIS SCRIPT:
 *
 * 1. Enable full-text search on your SQL Server instance.
 *
 * 2. Open the script inside SQL Server Management Studio and enable SQLCMD mode.
 *    This option is in the Query menu.
 *
 * 3. Copy this script and the install files to C:\Samples\AdventureWorksDW, or
 *    set the following environment variable to your own data path.
 */
:setvar SqlSamplesSourceDataPath C:\Users\kishore\Downloads\sql-server-samples-master\sql-server-samples-master\samples\databases\adventure-wor
```

100 % Connected. (1/1) VSVM (14.0 RTM) | VSVM\kishore (52) | master | 00:00:00 | 0 rows

Properties Current connection para. Aggregate Status Connect Elapsed t Finish tim Name VSVM Rows retu 0 Start time State Open Connection Connecti Connecti Not encrypted Connecti 0 Connecti Connecti Open Display n VSVM Login na VSVM\kishore Server na VSVM Server ve 14.0.1000 Session T SPID 52

Name
The name of the connection.

After this, replace the path of sample data as denoted in the screenshot. Replace the path in between double quotes with the path of **AdventureWorkLoads** you stored in your machine. Then click on execute button.



Type here to search



g ^ < > ENG



instawdbdw.sql - VSVM.master (VSVM\kishore (52))* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

New Query NDX DMX XMLA DAT Execute Debug

master

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=====

/* * HOW TO RUN THIS SCRPT:

Microsoft SQL Server 2017 (RTM) - 14.0.1000.169 (X64)
Aug 22 2017 17:04:49
Copyright (C) 2017 Microsoft Corporation
Developer Edition (64-bit) on Windows 10 Enterprise N 10.0 <X64> (Build 17134:) (Hypervisor)

Started - 2018-08-14 04:41:20.820

*** Dropping Database

*** Creating Database

*** Checking for AdventureWorksDW Database

Query executed successfully.

VSVM (14.0 RTM) | VSVM\kishore (52) | master | 00:00:10 | 0 rows

Properties Current connection para. **Aggregate Status**

Connecti Elapsed t 00:00:10.640 Finish tim 14-08-2018 04:4 Name VSVM Rows retu 0 Start time 14-08-2018 04:4 State Open

Connection Connecti VSVM (VSVM\ki: Connection Details

Connecti 00:00:10.640 Connecti Not encrypted Connecti 14-08-2018 04:4 Connecti 0 Connecti 14-08-2018 04:4 Connecti Open Display n VSVM Login na VSVM\kishore Server na VSVM Server ve 14.0.1000 Session T SPID 52

Name
The name of the connection.

This will create you a database with many tables. Now, with data in the local server, proceed further to create other services to perform Migration.



Type here to search



g R ^ < > ENG



Install the DMA from here - [Data Migration Assistant](#)



Microsoft® Data Migration Assistant v4.1

Important! Selecting a language below will dynamically change the complete page content to that language.

Language: English

[Download](#)

Data Migration Assistant (DMA) enables you to upgrade to a modern data platform by detecting compatibility issues that can impact database functionality on your new version of SQL Server. It recommends performance and reliability improvements for your target environment. It allows you to not only move your schema and data, but also uncontained objects from your source server to your target server.

Details

System Requirements

Install Instructions

Download and install the DMA for assessing and checking the compatibility of your on-premises database in Azure SQL Database.

Schema mapping and report generating using DMA

New

Project type

Assessment

Migration

Project name

Schema Mapping

Source server type

SQL Server

Target server type

Azure SQL Database

Migration scope

Schema only

Create

Microsoft recommends Azure Database Migration Service for faster and resilient migrations. Try it now for free.

Welcome to Data Migration Assistant



Open the DMS and follow the further steps to assess your database tables.

Schema Mapping

1 Select source

2 Select target

3 Select objects

4 Script & deploy schema

Connect to source server

Server name

SQLVM

Authentication type

SQL Server Authentication

SQL Authentication credentials

Username

kishore

Password

Connection properties

 Encrypt connection Trust server certificate

Source SQL Server permissions

Credentials used to connect to source SQL

Server instance must have CONTROL

SERVER permission.

Connect

Select a single database from your source server to migrate to Azure SQL Database.

If you skip assessing the databases before migration, DMA will not be able to detect the specific schema objects that may fail to deploy on the target Azure SQL Database. Skip this option if you have already done the assessment and addressed the objects with breaking changes prior to the migration.

	Name	Compatibility Level	Assess database before migration?
<input checked="" type="radio"/>	AdventureWorksDW	130	<input checked="" type="checkbox"/>

Next

Schema Mapping

1 Select source

2 Select target

3 Select objects

4 Script & deploy schema

CONNECT TO TARGET SERVER

 Create a new Azure SQL Database...

Server name

fabrikamserver.database.window

Authentication type

SQL Server Authentication

SQL Authentication credentials

Username

fabrikamuser

Password

Connection properties

 Encrypt connection Trust server certificate

Target Azure SQL Database permissions

The principal used to connect must have
CONTROL DATABASE permission on the
target database.

Select a single target database from your target Azure SQL Database server. If you intend to migrate Windows users, make sure the target external user domain name is set correctly.

Target external user domain name

e.g. microsoft.com or contoso.com

Name	Compatibility Level
codesizzlerdb	140

Schema Mapping

1 Select source

2 Select target

3 Select objects

4 Script & deploy schema

Source database

AdventureWorksDW
fabrikamonpremvm

Target database

fabrikamdb
fabrikamserver.database.windows.net

Assessment issues

No collected objects with blocking issues
No collected objects with other issues

Select the schema objects from your source database that you would like to migrate to Azure SQL Database.

 DDL Triggers ddlDatabaseTriggerLog Tables

- dbo.AdventureWorksDWBuildVersion
- dbo.DatabaseLog
- dbo.DimAccount
- dbo.DimCurrency
- dbo.DimCustomer
- dbo.DimDate
- dbo.DimDepartmentGroup
- dbo.DimEmployee
- dbo.DimGeography
- dbo.DimOrganization
- dbo.DimProduct
- dbo.DimProductCategory
- dbo.DimProductSubcategory
- dbo.DimPromotion
- dbo.DimReseller
- dbo.DimSalesReason

Select an object to view any issues found for that object

Back

Generate SQL script

Schema Mapping

1 Select source

2 Select target

3 Select objects

4 Script & deploy schema

Source database

AdventureWorksDW
fabrikam premvm

Target database

fabrikamdb
fabrikamserver.database.windows.net

Assessment issues

No collected objects with blocking issues
No collected objects with other issues

This script was generated for the selected schema objects. Review the script, make edits if necessary, and click "Deploy schema" to deploy to Azure SQL Database. Any selected users were not scripted; these will be migrated separately upon clicking "Deploy schema." SQL logins associated with selected users will be recreated with strong, random passwords. You will need to change these passwords and enable them again on the target.

Generated script

Previous issue Next issue Save Copy

```
***** DMA Schema Migration Deployment Script      Script Date: 11/29/2018 11:24:56 AM *****

***** Object: Table [dbo].[DatabaseLog]      Script Date: 11/29/2018 11:24:55 AM *****
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
IF NOT EXISTS (SELECT * FROM sys.objects WHERE object_id = OBJECT_ID(N'[dbo].[DatabaseLog]') AND type in (N'U'))
BEGIN
CREATE TABLE [dbo].[DatabaseLog] (
    [DatabaseLogID] [int] IDENTITY(1,1) NOT NULL,
    [PostTime] [datetime] NOT NULL,
    [DatabaseUser] [sysname] COLLATE SQL_Latin1_General_CI_AS NOT NULL,
    [Event] [sysname] COLLATE SQL_Latin1_General_CI_AS NOT NULL,
    [Schema] [sysname] COLLATE SQL_Latin1_General_CI_AS NULL,
    [Object] [sysname] COLLATE SQL_Latin1_General_CI_AS NULL,
    [TSQL] [nvarchar](max) COLLATE SQL_Latin1_General_CI_AS NOT NULL,
    [XmlEvent] [xml] NOT NULL,
    CONSTRAINT [PK_DatabaseLog_DatabaseLogID] PRIMARY KEY NONCLUSTERED
    (
        [DatabaseLogID] ASC
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
<
```

Back

Deploy schema

Schema Mapping

1 Select source

2 Select target

3 Select objects

4 Script & deploy schema

Source database
AdventureWorksDW
fabrikamonpremvm

Target database
fabrikamdb
fabrikamserver.database.windows.net

Assessment issues
No collected objects with blocking issues
No collected objects with other issues

This script was generated for the selected schema objects. Review the script, make edits if necessary, and click "Deploy schema" to deploy to Azure SQL Database. Any selected users were not scripted; these will be migrated separately upon clicking "Deploy schema." SQL logins associated with selected users will be recreated with strong, random passwords. You will need to change these passwords and enable them again on the target.

Generated script

Previous issue Next issue Save Copy

```
***** DMA Schema Migration Deployment Script      Script Date: 11/29/2018 11:24:56 AM *****/
***** Object: Table [dbo].[DatabaseLog]      Script Date: 11/29/2018 11:24:55 AM *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
IF NOT EXISTS (SELECT * FROM sys.objects WHERE object_id = OBJECT_ID(N'[dbo].[DatabaseLog]') AND type in (N'U'))
BEGIN
CREATE TABLE [dbo].[DatabaseLog] (
    [DatabaseLogID] [int] IDENTITY(1,1) NOT NULL,
    [PostTime] [datetime] NOT NULL,
    [DatabaseUser] [sysname] COLLATE SQL_Latin1_General_CI_AS NOT NULL,
    [Event] [sysname] COLLATE SQL_Latin1_General_CI_AS NOT NULL,
    [Schema] [sysname] COLLATE SQL_Latin1_General_CI_AS NULL,
    [Object] [sysname] COLLATE SQL_Latin1_General_CI_AS NULL,
    [TSQL] [nvarchar](max) COLLATE SQL_Latin1_General_CI_AS NOT NULL,
    [XmlEvent] [xml] NOT NULL,
    CONSTRAINT [PK_DatabaseLog_DatabaseLogID] PRIMARY KEY NONCLUSTERED
(
    [DatabaseLogID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON)
```

Deployment results (211 commands executed, 0 errors)

Previous error Next error Export

- Executed 206 of 211: IF NOT EXISTS (SELECT * FROM sys.foreign_ke...
Command executed successfully.
- Executed 207 of 211: IF EXISTS (SELECT * FROM sys.foreign_keys W...
Command executed successfully.
- Executed 208 of 211: IF NOT EXISTS (SELECT * FROM sys.foreign_ke...
Command executed successfully.
- Executed 209 of 211: IF EXISTS (SELECT * FROM sys.foreign_keys W...
Command executed successfully.
- Executed 210 of 211: IF NOT EXISTS (SELECT * FROM sys.foreign_ke...
Command executed successfully.
- Executed 211 of 211: IF EXISTS (SELECT * FROM sys.foreign_keys W...
Command executed successfully.

Schema migration completed. Duration: 0h 0m 6s

[Back](#)[Redeploy schema](#)

Configure your Windows Firewall for database engine access on the on-premises machine.

(Note – Skip this step if you are using Azure VM that we created initially. Do this only if you are migrating from your own server)



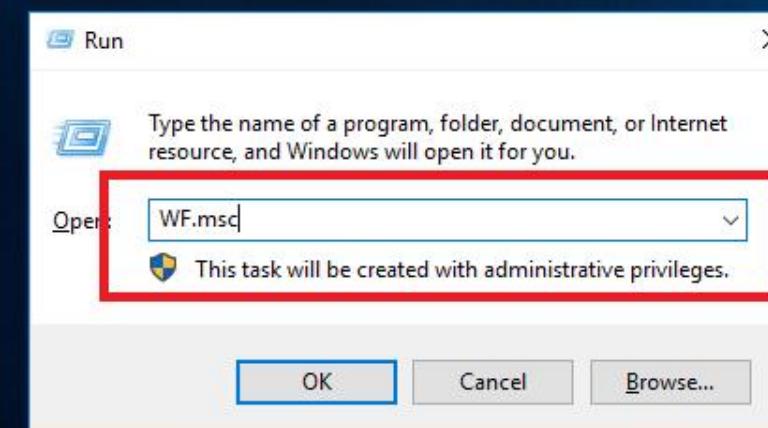
Recycle Bin



Microsoft
Data Mi...



SQL Server -
Getting st...



Open Port 1433 for SQL DB Migration in the windows firewall by following these steps.

File Action View Help



Windows Firewall with Advanced Security

- Inbound Rules (highlighted)
- Outbound Rules
- Connection Security Rules
- Monitoring

Name	Group	Profile	Enabled	Action	Override	Program	Local Address	Remote
✓ MSMPI-LaunchSvc		All	Yes	Allow	No	C:\Progr...	Any	Any
✓ MSMPI-MPIEXEC		All	Yes	Allow	No	C:\Progr...	Any	Any
✓ MSMPI-SMPD		All	Yes	Allow	No	C:\Progr...	Any	Any
✓ SQL Server Database Engine (TCP-In)		All	Yes	Allow	No	Any	Any	Any
✓ AllJoyn Router (TCP-In)	AllJoyn Router	Domai...	Yes	Allow	No	%System...	Any	Any
✓ AllJoyn Router (UDP-In)	AllJoyn Router	Domai...	Yes	Allow	No	%System...	Any	Any
BranchCache Content Retrieval (HTTP-In)	BranchCache - Content Retr...	All	No	Allow	No	SYSTEM	Any	Any
BranchCache Hosted Cache Server (HTT...	BranchCache - Hosted Cach...	All	No	Allow	No	SYSTEM	Any	Any
BranchCache Peer Discovery (WSD-In)	BranchCache - Peer Discove...	All	No	Allow	No	%system...	Any	Local su
✓ Cast to Device functionality (qWave-TCP...	Cast to Device functionality	Private...	Yes	Allow	No	%System...	Any	PlayTo R
✓ Cast to Device functionality (qWave-UDP...	Cast to Device functionality	Private...	Yes	Allow	No	%System...	Any	PlayTo R
✓ Cast to Device SSDP Discovery (UDP-In)	Cast to Device functionality	Public	Yes	Allow	No	%System...	Any	Any
✓ Cast to Device streaming server (HTTP-St...	Cast to Device functionality	Private	Yes	Allow	No	System	Any	Local su
✓ Cast to Device streaming server (HTTP-St...	Cast to Device functionality	Domain	Yes	Allow	No	System	Any	Any
✓ Cast to Device streaming server (HTTP-St...	Cast to Device functionality	Public	Yes	Allow	No	System	Any	PlayTo R
✓ Cast to Device streaming server (RTCP-St...	Cast to Device functionality	Public	Yes	Allow	No	%System...	Any	PlayTo R
✓ Cast to Device streaming server (RTCP-St...	Cast to Device functionality	Private	Yes	Allow	No	%System...	Any	Local su
✓ Cast to Device streaming server (RTCP-St...	Cast to Device functionality	Domain	Yes	Allow	No	%System...	Any	Any
✓ Cast to Device streaming server (RTSP-Str...	Cast to Device functionality	Public	Yes	Allow	No	%System...	Any	PlayTo R
✓ Cast to Device streaming server (RTSP-Str...	Cast to Device functionality	Private	Yes	Allow	No	%System...	Any	Local su
✓ Cast to Device streaming server (RTSP-Str...	Cast to Device functionality	Domain	Yes	Allow	No	%System...	Any	Any
✓ Cast to Device UPnP Events (TCP-In)	Cast to Device functionality	Public	Yes	Allow	No	System	Any	PlayTo R
COM+ Network Access (DCOM-In)	COM+ Network Access	All	No	Allow	No	%system...	Any	Any
COM+ Remote Administration (DCOM-In)	COM+ Remote Administrati...	All	No	Allow	No	%system...	Any	Any
✓ Core Networking - Destination Unreacha...	Core Networking	All	Yes	Allow	No	System	Any	Any
✓ Core Networking - Destination Unreacha...	Core Networking	All	Yes	Allow	No	System	Any	Any
✓ Core Networking - Dynamic Host Config...	Core Networking	All	Yes	Allow	No	%System...	Any	Any
✓ Core Networking - Dynamic Host Config...	Core Networking	All	Yes	Allow	No	%System...	Any	Any
✓ Core Networking - Internet Group Mana...	Core Networking	All	Yes	Allow	No	System	Any	Any
✓ Core Networking - INHTTPSS (TCP_In)	Core Networking	All	Yes	Allow	No	System	Any	Any

Actions
Inbound Rules
New Rule...
Filter by Profile
Filter by State
Filter by Group
View
Refresh
Export List...
Help

New Rule...



ENG





Inbound Rules
MSMPI-Launch
MSMPI-MPIEXE
MSMPI-SMPD

Outbound Rules
MSMPI-Launch
MSMPI-MPIEXE
MSMPI-SMPD

Connection Security Rules
AllJoyn Router

Monitoring
BranchCache C

New Inbound Rule Wizard

Rule Type

Select the type of firewall rule to create.

Steps:

- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

What type of rule would you like to create?

Program
Rule that controls connections for a Windows application.

Port
Rule that controls connections for a TCP or UDP port.

Predefined:
AllJoyn Router
Rule that controls connections for a Windows experience.

Custom
Custom rule.

< Back **Next >** Cancel

Actions
Inbound Rules
New Rule...
Filter by Profile
Filter by State
Filter by Group
View
Refresh
Export List...
Help



Windows Firewall with Advanced Security
Inbound Rules
Outbound Rules
Connection Security Rules



Inbound Rules

- Name
✓ MSMPI-Launch
- ✓ MSMPI-MPIEXEC
- ✓ MSMPI-SMPD
- ✓ SQL Server Data
- ✓ AllJoyn Router
- ✓ AllJoyn Router BranchCache C
- BranchCache H
- BranchCache P
- ✓ Cast to Device f
- ✓ Cast to Device f
- ✓ Cast to Device S
- ✓ Cast to Device L
- COM+ Network
- COM+ Remote
- ✓ Core Networking
- ✓ Core Networking
- ✓ Core Networking
- ✓ Core Networking
- ✓ Core Networking - Internet Group Mana...
- Core Networking

All

Yes

Allow

No

System

Any

New Inbound Rule Wizard

Protocol and Ports

Specify the protocols and ports to which this rule applies.

Steps:

Rule Type

Protocol and Ports

Action

Profile

Name

Does this rule apply to TCP or UDP?

- TCP
- UDP

Does this rule apply to all local ports or specific local ports?

- All local ports
- Specific local ports:

1433

Example: 80, 443, 5000-5010

< Back

Next >

Cancel



Ass

Remote

Any

Any

Any

Any

Any

Any

Any

Any

Any

Local su

PlayTo R

PlayTo R

Any

Local su

Any

PlayTo R

PlayTo R

Local su

Any

PlayTo R

Local su

Any

PlayTo R

Any

Actions

Inbound Rules

New Rule...

Filter by Profile

Filter by State

Filter by Group

View

Refresh

Export List...

Help



Windows Firewall with Advanced

- Inbound Rules
- Outbound Rules
- Connection Security Rules
- Monitoring

Inbound Rules

- Name
- MSMPI-Launch
- MSMPI-MPIEXEC
- MSMPI-SMPD
- SQL Server Data
- AllJoyn Router
- AllJoyn Router
- BranchCache C
- BranchCache H
- BranchCache P
- Cast to Device f
- COM+ Network
- COM+ Remote
- Core Networkin

Action

Specify the action to be taken when a connection matches the conditions specified in the rule.

Steps:

- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

What action should be taken when a connection matches the specified conditions?

 Allow the connection

This includes connections that are protected with IPsec as well as those are not.

 Allow the connection if it is secure

This includes only connections that have been authenticated by using IPsec. Connections will be secured using the settings in IPsec properties and rules in the Connection Security Rule node.

Customize...

 Block the connection

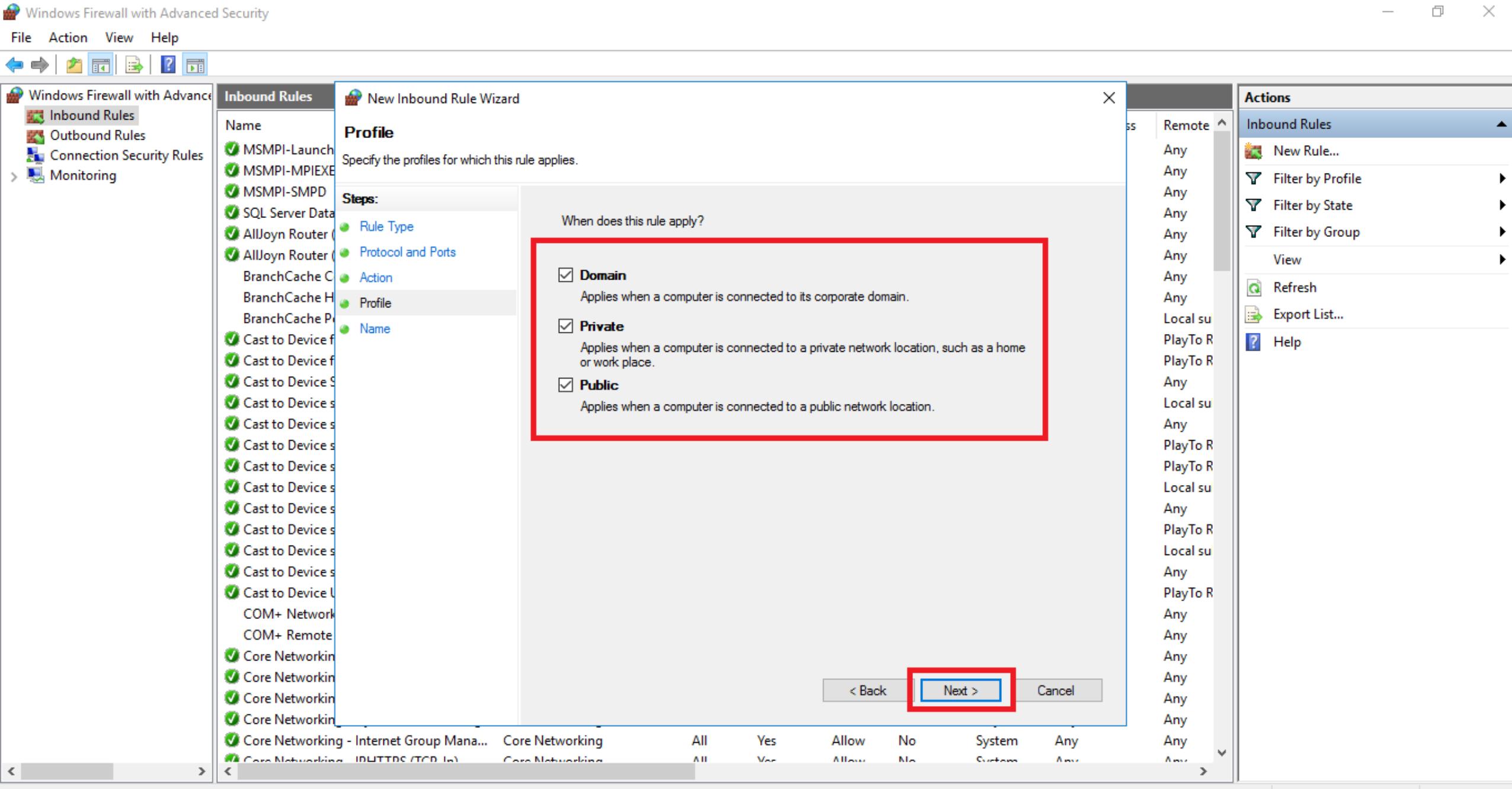
< Back Next > Cancel

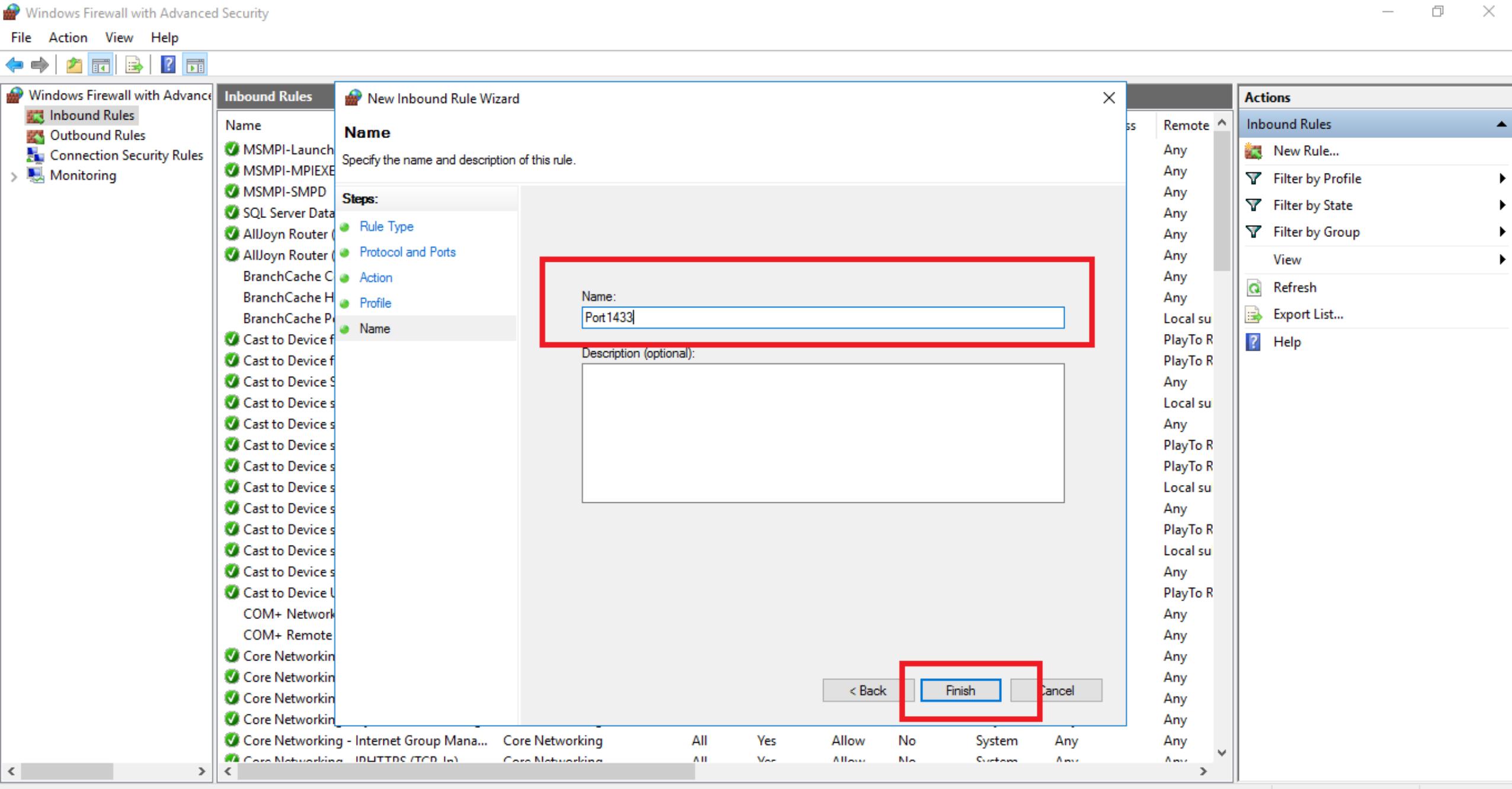


Actions

Inbound Rules

- New Rule...
- Filter by Profile
- Filter by State
- Filter by Group
- View
- Refresh
- Export List...
- Help





Make your Database either Bulk-logged or Full recovery mode by following next step.

(Note- Continue from here without skipping anything)

Solution1 - Microsoft SQL Server Management Studio (Administrator)

File Edit View Project Debug Tools Window Help

New Query NDX DMX XMLA DAX Generic Debugger

Object Explorer Connect fabrikamonpremvm Databases System Databases Database Snapshots AdventureWorksDW Security Server Objects Replication PolyBase Always On High Availability Management Integration Services Catalog SQL Server Agent XEvent Profiler

New Database... New Query Script Database as Tasks Policies Facets Start PowerShell Reports Rename Delete Refresh Properties

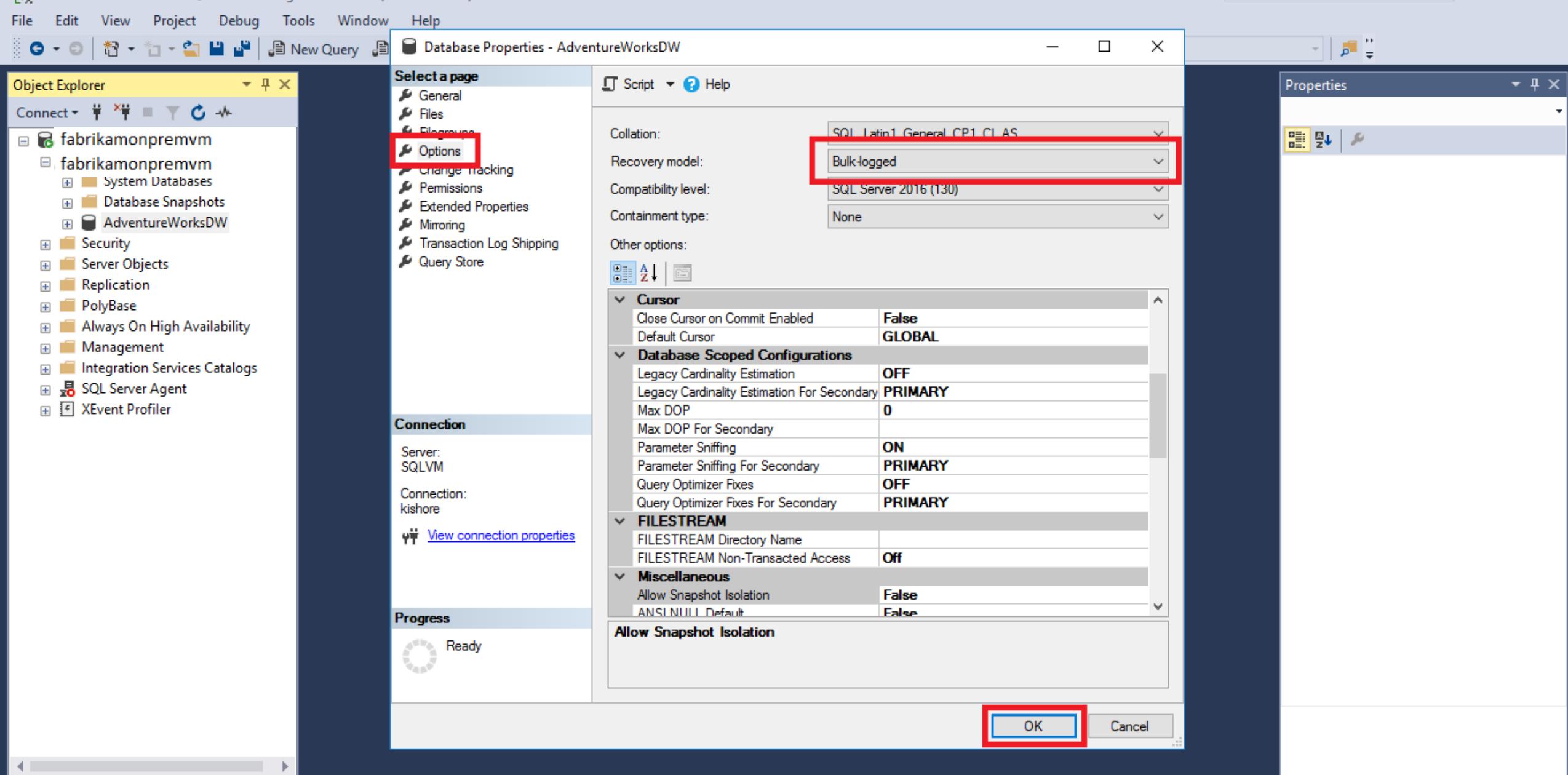
Properties

Ready



ENG





Configuring the distributor role for source SQL Server

SQLQuery3.sql - SQLVM.AdventureWorksDW (kishore (55))* - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Debug Tools Window Help

New Query NDX DMX XMLA DAX Execute Debug

AdventureWorksDW Generic Debugger

Properties Current connection parameters

Aggregate Status Connection failure Elapsed time 00:00:00,405 2018 4:59:39 A

Object Explorer Connect fabrikamonpremvm Databases System Databases Databases Complete AdventureWorksDW Security Server Objects Replication PolyBase Always On High Availability Management Integration Services Catalogs SQL Server Agent XEvent Profiler

SQLQuery3.sql - SQLVM.AdventureWorksDW (kishore (55))* SQLQuery2.sql - SQLVM.AdventureWorksDW (kishore (54))

```
-- ====
-- Enable Database for CDC template
-- ====
USE AdventureWorksDW
GO
EXEC sys.sp_cdc_enable_db
```

Messages Commands completed successfully.

100 %

100 % Query executed successfully. SQLVM (13.0 SP1) kishore (55) AdventureWorksDW 00:00:00 0 rows

Ready Ln 7 Col 1 Ch 1 INS

Quick Launch (Ctrl+Q)

Use the following script:

```
-- ====
-- Enable Database for CDC template
-- ====
USE AdventureWorksDW
GO
EXEC sys.sp_cdc_enable_db
GO
```

Display name SQLVM
Login name kishore
Server name SQLVM
Server version 13.0.4541
Session Tracing ID
SPID 55

Name
The name of the connection.

Enabling Replication for Database

Solution1 - Microsoft SQL Server Management Studio (Administrator)

File Edit View Project Debug Tools Window Help

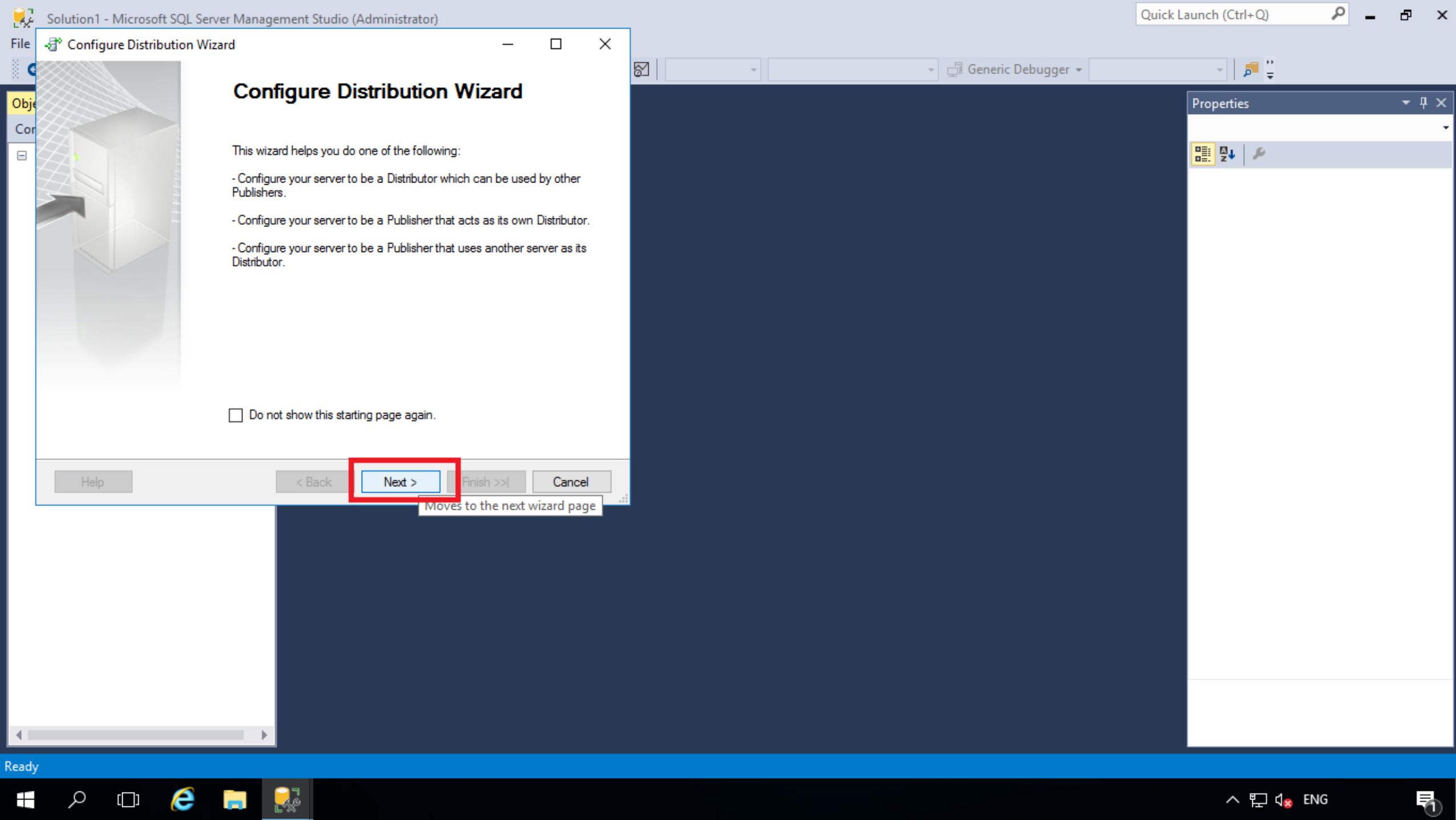
New Query NDX DMX XMLA DAX Generic Debugger

Object Explorer Connect fabrikamonpremvm Databases System Databases Database Snapshots AdventureWorksDW Security Server Objects Replication PolyBase Always On Management Integration SQL Server XEvent Pro

Configure Distribution... Launch Replication Monitor Generate Scripts... Update Replication Passwords... New Reports Refresh

Properties

The screenshot shows the Microsoft SQL Server Management Studio (SSMS) interface. In the Object Explorer pane, the 'Replication' node under the 'fabrikamonpremvm' server is selected and has a context menu open. The 'Configure Distribution...' option is highlighted with a red box. Other options in the menu include 'Launch Replication Monitor', 'Generate Scripts...', 'Update Replication Passwords...', 'New' (with a dropdown arrow), 'Reports' (with a dropdown arrow), and 'Refresh'. The Properties pane is visible on the right side of the screen.





Configure Distribution Wizard

Distributor

Use this server as its own Distributor or select another server as the Distributor.

The Distributor is the server responsible for storing replication information used during synchronizations.

'SQLVM' will act as its own Distributor; SQL Server will create a distribution database and log

Use the following server as the Distributor (Note: the server you select must already be configured as a Distributor):

Add...

Help < Back **Next >** Finish >> Cancel

Generic Debugger

Properties

A Z

File

Configure Distribution Wizard

SQL Server Agent Start

Select whether to automatically start the SQL Server Agent service when the computer is started.

Because the replication agents that synchronize subscriptions run unattended, you should configure SQL Server Agent to start automatically.

Do you want to configure the SQL Server Agent service on 'SQLVM' to start automatically when the computer is started?

Yes, configure the SQL Server Agent service to start automatically

No, I will start the SQL Server Agent service manually

Warning: For the wizard to configure the SQL Server Agent service, the SQL Server service account must have administrator permissions on the server computer. If the service does not have these permissions, you must change the configuration manually.

Help < Back Next > Finish >> Cancel

Properties

 Configure Distribution Wizard**Snapshot Folder**

Specify the root location where snapshots will be stored.

To allow Distribution and Merge Agents that run at Subscribers to access the snapshots of their publications, you must use a network path to refer to the snapshot folder.

Snapshot folder:

 This snapshot folder does not support pull subscriptions created at the Subscriber. It is not a network path or it is a drive letter mapped to a network path. To support both push and pull subscriptions, use a network path to refer to this folder.

Help

< Back

Next >

Finish >>

Cancel

 Generic Debugger

File

Configure Distribution Wizard

Distribution Database

Select the name and location of the distribution database and log files.

The distribution database stores changes to transactional publications until Subscribers can be updated. It also stores historical information for snapshot and merge publications.

Distribution database name:

Folder for the distribution database file:

Folder for the distribution database log file:

The paths must refer to disks that are local to the Distributor and begin with a local drive letter and colon (for example, C:). Mapped drive letters and network paths are invalid.

Help < Back **Next >** Finish >> Cancel

Properties



File

Configure Distribution Wizard

Publishers

Enable servers to use this Distributor when they become Publishers.

Publishers:

Publisher	Distribution Database
<input checked="" type="checkbox"/> SQLVM	distribution

Add ▾

Help

< Back

Next >

Finish >>

Cancel



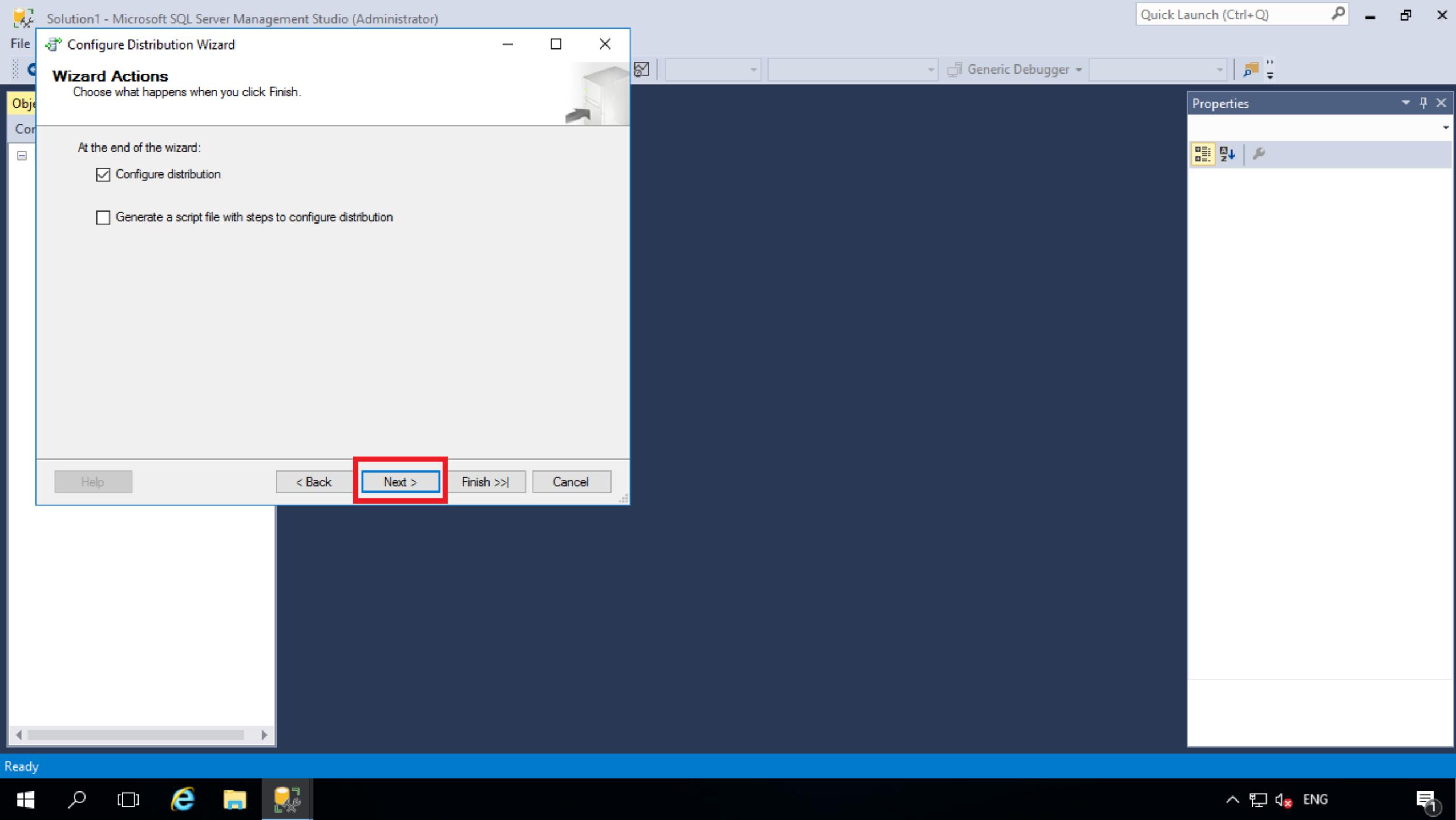
Ready



Generic Debugger

Properties

A Z



 Configure Distribution Wizard**Complete the Wizard**

Verify the choices made in the wizard and click Finish.

Click Finish to perform the following actions:

- Configure distribution.

Distribution will be configured with the following options:

- Use 'SQLVM' as the Distributor.
- Configure the SQL Server Agent service on 'SQLVM' to start automatically when the computer is started.
- Use 'C:\Program Files\Microsoft SQL Server\MSSQL13.MSSQLSERVER\MSSQL\ReplData' as the root snapshot folder for Publishers using this Distributor.
- Store the distribution database 'distribution' in 'F:\Data'.
- Store the distribution database log file in 'F:\Log'.
- Allow the following servers running SQL Server to use SQLVM as their Distributor:
 - SQLVM

Help

< Back

Next >

Finish

Cancel

You might get an error at the last. It is because of not setting location for the replication file. You can proceed further without considering it.

Creating Database Migration Service



Home > New > Marketplace > Everything

Marketplace  

My Saved List  0

Everything

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AI + Machine Learning

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Pricing

All

Operating System

All

Publisher

All

Results

NAME

PUBLISHER

CATEGORY

 Azure Database Migration Service

Microsoft

Databases

 Parse Server on managed Azure services

Microsoft

Related to your search 



Cloud service
Microsoft



Website + SQL (preview)
Microsoft



Batch Service
Microsoft

<

Dashboard > New > Marketplace > Get Started > Azure Database Migration Service

Azure Database Migration Service

Microsoft



Azure Database Migration Service

Microsoft

[Create](#)[Save for later](#)

The Azure Database Migration Service (DMS) is designed to streamline the process of migrating on-premise databases to Azure. Get started with [step-by-step guidance](#).

Common scenarios:

- SQL Server → [Azure SQL Database](#)
- SQL Server → [Azure SQL Database Managed Instance](#)
- MongoDB → [Azure Cosmos DB](#)
- MySQL → [Azure Database for MySQL](#)
- PostgreSQL → [Azure Database for PostgreSQL](#)
- DB2 → [Azure SQL Database](#)
- Oracle → [Azure SQL Database](#) (requires preview, sign up [here](#))
- Oracle → [Azure SQL Database Managed Instance](#) (requires preview, sign up [here](#))
- Oracle → [Azure Database for PostgreSQL](#) (requires [ora2pg](#))

Don't see your migration scenario here? Find it in the [Azure Database Migration Guide](#)

Once you've completed the step by step guidance for your migration scenario, proceed with creating a migration service by clicking the **Create** button below.

Additional resources:

Use these tools to assess your database(s) for feature parity and potential compatibility issues.

- SQL Server on-premise database(s): [Data Migration Assistant \(DMA\)](#)
- Migrating from Oracle: [SQL Server Migration Assistant \(SSMA\)](#)

Useful Links

[Documentation](#)



Create Migration Service

Service Name

fabrikamdbmigration

* Subscription

Visual Studio Enterprise 0

* Select a resource group

DBMigration

[Create new](#)

* Location

Southeast Asia

* Virtual network

+DBMigrationVNET

* Pricing tier

Premium: 4 vCores

Azure Database Migration Service quick start template
Experience our database migration service with pre-created source and target

Pricing tier



The selected tier supports both offline and online migrations.

Standard

For large data sizes

1 vCores, 2 vCores, 4 vCores

Premium

For offline and online migrations with minimal downtime

4 vCores

vCores

4 vCores

US\$0.00 USD/hour

Est. monthly cost US\$0.00 USD



Use the 4 vCore Premium SKU for free for the first 6 months (183 days) from Azure Database Migration Service creation before billing starts.

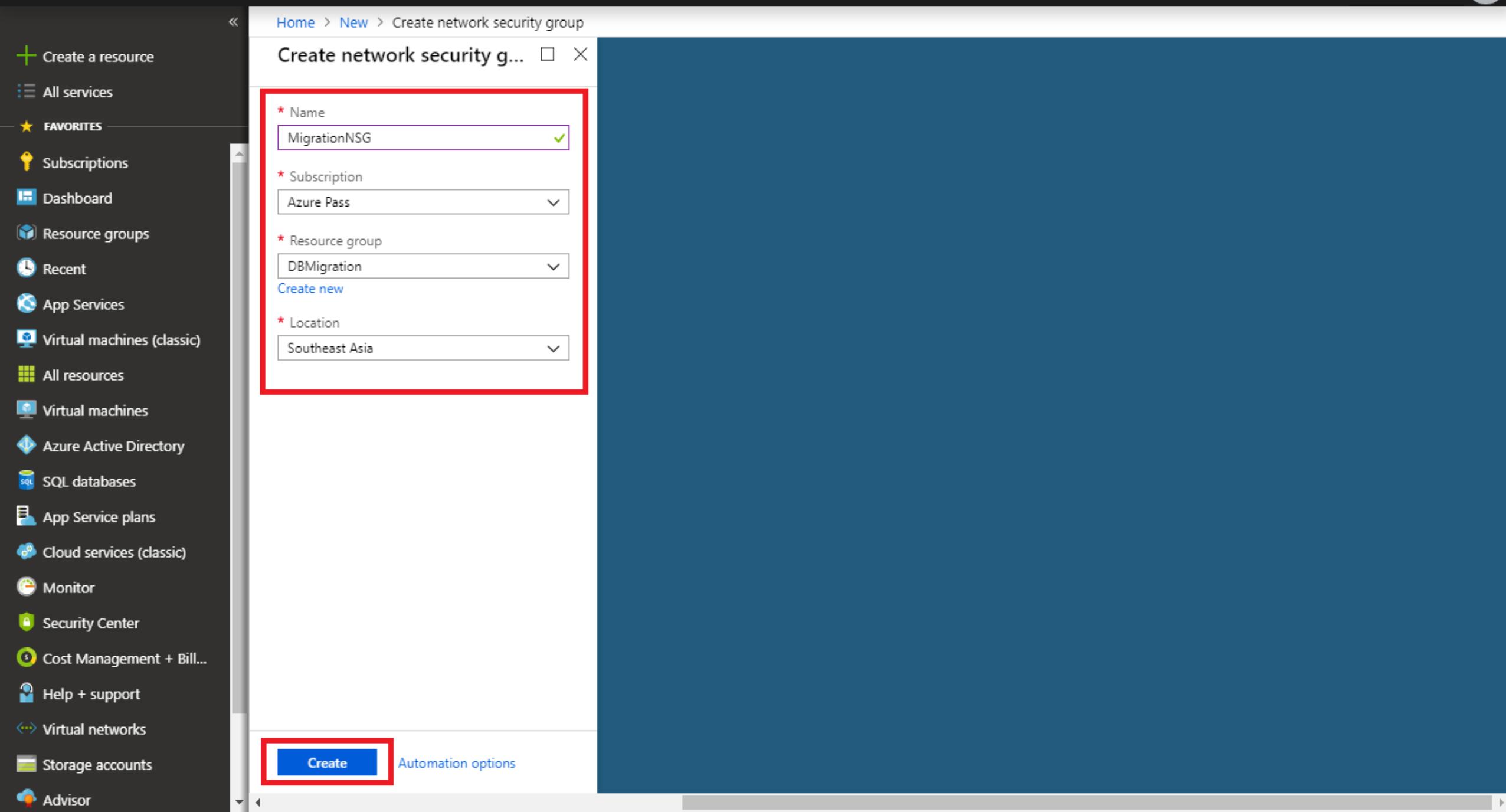
DMS will take 7 to 8 mins to get deployed.

[Create](#)

Automation options

[OK](#)

Creating Network Security Group



Microsoft Azure

Search resources, services, and docs

Home > MigrationNSG - Inbound security rules

MigrationNSG - Inbound security rules

Network security group

Add Default rules

PRIORITY	NAME	PORT	PROTOCOL	SOURCE	DESTINATION	ACTION
65000	AllowVnetInBound	Any	Any	VirtualNetwork	VirtualNetwork	<input checked="" type="checkbox"/> Allow
65001	AllowAzureLoadBalancerInBo...	Any	Any	AzureLoadBala...	Any	<input checked="" type="checkbox"/> Allow
65500	DenyAllInBound	Any	Any	Any	Any	<input checked="" type="checkbox"/> Deny

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Outbound security rules

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Search (Ctrl+ /)

Add Default rules

PRIORITY

NAME

PORT

PROTOCOL

SOURCE

DESTINATION

ACTION

Allow

Deny

<

Home > MigrationNSG - Inbound security rules

MigrationNSG - Inbound security rules

Network security group

 Search (Ctrl+/)[Add](#)[Default rules](#)[Overview](#)[Activity log](#)[Access control \(IAM\)](#)[Tags](#)[Diagnose and solve problems](#)[Settings](#)[Inbound security rules](#)[Outbound security rules](#)[Network interfaces](#)[Subnets](#)[Properties](#)[Locks](#)[Automation script](#)[Monitoring](#)[Diagnostic settings](#)[NSG flow logs](#)[Support + troubleshooting](#)[Effective security rules](#)

PRIORITY	NAME	PORT	PROTOCOL	SOURCE	DESTINATION	ACTION	...
100	Port_8080	443	Any	Any	Any	Allow	...
101	Port_53	53	Any	Any	Any	Allow	...
111	Port_9354	9354	Any	Any	Any	Allow	...
112	Port_445	445	Any	Any	Any	Allow	...
123	Port_12000	12000	Any	Any	Any	Allow	...
65000	AllowVnetInBound	Any	Any	VirtualNetwork	VirtualNetwork	Allow	...
65001	AllowAzureLoadBalancerInBo...	Any	Any	AzureLoadBala...	Any	Allow	...
65500	DenyAllInBound	Any	Any	Any	Any	Deny	...

Add the following port numbers and allow their access for DMS to work fine.



Home > All resources > codesizzlerdbmigration > DBMigration > DBMigrationVNET - Subnet

DBMigrationVNET - Subnets

Virtual network

 Search (Ctrl+/*)*

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 Search subnet

NAME	ADDRESS RANGE	AVAILABLE ADDRESSES	SECURITY GROUP	
default	10.0.0.0/24	250	-	...

Open the VNET that you created earlier along with DMS service and follow the further steps.



Home > DBMigrationVNET - Subnets > default

default

DBMigrationVNET

 Save Discard Delete Refresh

* Address range (CIDR block)

10.0.0.0/24

10.0.0.0 - 10.0.0.255 (256 addresses)

Available addresses ⓘ

250

Network security group

MigrationNSG

Route table

None

Users

Manage users

Service endpoints

Services ⓘ

0 selected

Subnet delegation

Delegate subnet to a service

None

Associate the NSG to this Subnet.

Microsoft Azure

Search resources, services, and docs

> ?

<

Home > Azure Database Migration Services

X

Azure Database Migration Services

codesizzler (Default Directory)

Add

Edit columns

Refresh

Assign tags

Subscriptions: All 2 selected – Don't see a subscription? [Open Directory + Subscription settings](#)

Filter by name... All subscriptions All resource groups All locations All tags No grouping

1 items

<input type="checkbox"/> NAME ↑↓	STATUS	LOCATION ↑↓	SUBSCRIPTION ↑↓	...
<input type="checkbox"/> fabrikamdbmigration		Southeast Asia	Azure Pass	

Open the migration service that you
created earlier.

Microsoft Azure

Search resources, services, and docs

Home > Azure Database Migration Services > codesizzlerdbmigration

Create a resource

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fabrikamdbmigration

Azure Database Migration Service

+ New Migration Project

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Resource health

New support request

Great job! Your database migration service was successfully created. You can create your first migration project now.

Essentials

Resource group (change)
DBMigration

Virtual network & Ip Address
DBMigrationVNET/subnets/default 10.0.0.4

Subscription name (change)
Azure Pass

SKU
Premium: 4 vCores

Status
Online

Location
Southeast Asia

Subscription ID
abf3eb44-c120-4397-ad0e-602d7428d3d4

Service/UI Version
4.1.4242.5/4.1.4252.1

Migration Projects

NAME	SOURCE	TARGET	CREATED
No database migration projects to display			

Create a new migration project

Great job! Your database migration service was successfully created. You can create your first migration project now.

New migration project

Create a resource

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New migration project



Project name

MigrationDemo



* Source server type

SQL Server



* Target server type

Azure SQL Database



* Choose type of activity



Online data migration

To successfully use Database Migration Service (DMS) to migrate data, you need to:

1. Create the target Azure SQL Database.
2. Use DMA to assess your on-premises SQL Server database(s) for feature parity and compatibility issues.
3. Apply fixes and deploy the database schema to your target Azure SQL database using Data Migration Assistant (DMA).

Microsoft Azure

Search resources, services, and docs

Dashboard > Resource groups > DBMigration > dkjsvd > MigrationDemo > Migration Wizard > Migration source detail

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Help + support

Migration Wizard

MigrationDemo

1 Select source ✓

2 Select target >

3 Map to target databases >

4 Configure migration settings >

5 Summary >

Migration source detail

* Source SQL Server instance name [i](#)
40.121.59.97

Authentication type
SQL Authentication

* User Name [i](#)
kishore

Password
.....

Connection properties

Encrypt connection

Trust server certificate

Save

Enter the IP of On-premises machine or the VM in which you have your database that is ready for migration and authenticate with your server by proving authentication credentials.

Microsoft Azure

Search resources, services, and docs

Dashboard > Resource groups > DBMigration > dkjsvd > MigrationDemo > Migration Wizard > Migration target details

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Migration Wizard

MigrationDemo

1 Select source ✓

2 Select target >

3 Map to target databases >

4 Configure migration settings >

5 Summary >

Migration target details

* Target server name

Authentication type

* User Name

Password

Connection properties Encrypt connection

Save

Enter the DNS of Azure SQL server that you created earlier and authenticate using SQL Server credentials.

Create a resource

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Migration Wizard MigrationDemo

1 Select source ✓

2 Select target ✓

3 Map to target databases > Select the targeted Database as the one that you created in the beginning and click on Save.

4 Configure migration settings >

5 Summary >

Map to target databases

Search All

1 item(s) ← prev Page 1 of 1 next →

SOURCE DATABASE	SIZE	TARGET DATABASE
<input checked="" type="checkbox"/> AdventureWorksLT	229.06 MB	<input type="text" value="fabrikamdb"/>

Save

Microsoft Azure

Search resources, services, and docs

Dashboard > Resource groups > DBMigration > dkjsvd > MigrationDemo > Migration Wizard > Migration settings

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Cost Management + Bill...

Help + support

Migration Wizard

Migration settings

1 Select source ✓

2 Select target ✓

3 Map to target databases ✓

4 Configure migration settings >

5 Summary >

Select all the tables that you want migrate and click on Save.

Database settings

AdventureWorks2012 71 of 71

Search to filter items... All Page 1 of 2 prev next

NAME

dbo.AWBuildVersion The target table is not empty. If selected for migration, all the records in the table will be deleted...

dbo.DatabaseLog The target table is not empty. If selected for migration, all the records in the table will be deleted...

dbo.ErrorLog

HumanResources.De...

HumanResources.E...

HumanResources.E...

HumanResources.E...

HumanResources.Jo...

HumanResources.Shift

Person.Address

Person.AddressType

Save

Microsoft Azure

Search resources, services, and docs

Dashboard > Resource groups > DBMigration > dkjsvd > MigrationDemo > Migration Wizard > Migration settings

Create a resource

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Migration Wizard

MigrationDemo

1 Select source ✓

2 Select target ✓

3 Map to target databases ✓

4 Configure migration settings ✓

5 Summary >

Migration summary

Please consider upgrading your Azure SQL Database to Premium tier (for example P11 or P15 for singleton databases) if DTU purchase model is used or Business critical tier (for example 8 or 16 vCORE) in the case of vCORE model. You can revert to a lower tier once migration is complete.

Upgrade Your Database Service Tiers

Migration project name
MigrationDemo

Activity name
MyActivity ✓

Source server name
SQLVM

Source server version
SQL Server 2012
11.0.7462.6

Target server name
<target server name>

Target server version
Azure SQL Database
12.0.2000.8

Database(s) to migrate
1 of 6

Type of activity
Online data migration

Run migration

In the summary blade enter a name for the activity and click on **Run migration**. Your migration begins now and you will be able to find all your tables migrated to Azure SQL database. Try using SQL Data Explorer to see the migrated data.



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