



*Cloud Solutions*



# Tech Data SQL on Windows

Release 1.0

## Tech Data SQL on Windows

SQL Server on Azure virtual machines (VMs) enables you to use full versions of SQL Server in the Cloud without having to manage any on-premises hardware. SQL on Windows includes a SQL Server 2017 image installed on a Windows Server 2016 and with different version options:

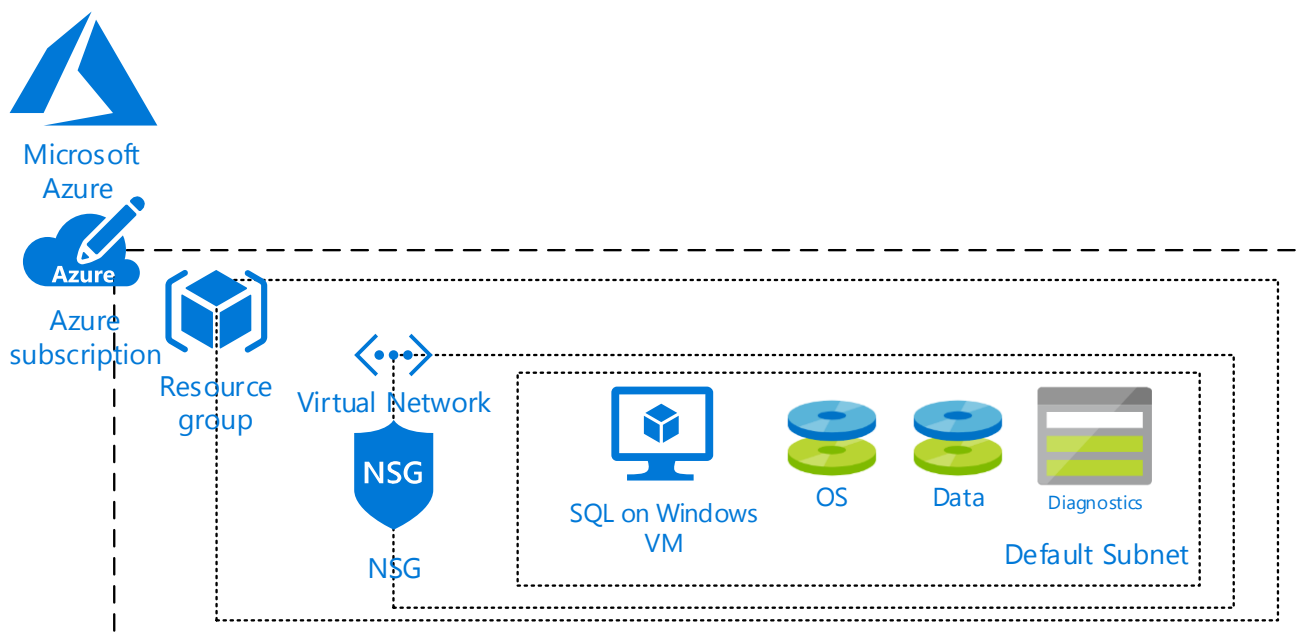
- SQL Server 2017 Enterprise Windows Server 2016
- SQL Server 2017 Standard on Windows Server 2016
- SQL Server 2017 Web on Windows Server 2016
- Free SQL Server License: SQL Server 2017 Express on Windows Server 2016
- Free SQL Server License: SQL Server 2017 Developer on Windows Server 2016

Azure VMs run in many different geographic regions around the world. They also offer a variety of machine sizes. The VM image gallery allows you to create a SQL Server VM with the right version, edition, and operating system. This makes VMs a good option for a many different SQL Server workloads.

Although it is not a PaaS solution, it provides several advantages such as automated patching, automated Backup high availability, instant scaling, pay for what you consume, and high-availability.

The solution provides a validated pre-architected design with the recommended configurations and the necessary assessment to choose the right version and facilitates SQL Server deployment. It also provides the necessary deployment documentation and the performance best practices for SQL Server in Azure VMs. Everything is deployed with a simple click.

## High Level Architecture



## Solution Components [BOM]

- VM (on which SQL server is installed)
  - Standard\_DS3\_v2 (Enterprise)
  - Standard\_DS2\_v2 (Standard or Web)
  - Standard\_DS1\_v2 (Free Express)
  - Standard\_D2s\_v3 (Free Developer)
- A default subnet within a virtual network
- Network interface card for the VM
- Two Premium SSD managed disks (one for Data and another for OS) – each of 1 TB
- A public dynamic IP address – basic SKU
- Network security group: act as a firewall for the default subnet in which the VM is connected
- Locally redundant V2 storage account for boot diagnostics.