

ApexSQL DevOps toolkit – Octopus Deploy step templates

Version 2020.x

Release Notes and Requirements

System requirements

ApexSQL DevOps toolkit	
Hardware	Dual Core 2.0 GHz CPU 4 GB memory
SQL Server	SQL Server 2005 and higher ^[1]
OS	Windows 7 SP1/Windows Server 2008 R2 SP1 and higher ^[1]
Software	.NET Framework 4.7.2 or higher ApexSQL Build 2018 R4 ^[3] ApexSQL Data Diff 2018 R6 ^[3] ApexSQL Diff 2018 R5 ^[3] ApexSQL Doc 2018 R4 ^[3] ApexSQL Enforce 2018 R6 ^[3] ApexSQL Generate 2018 R4 ^[3] ApexSQL Mask 2019 R2 ^[3] ApexSQL Script 2018 R4 ^[3] ApexSQL Trigger 2018 R3 ^[3] ApexSQL Unit Test 2018 R4 ^[3]
Note	The number of ApexSQL tools required is based on how extensive a CI/CD workflow pipeline is and how many steps it includes

	Source control integration available for Azure DevOps ^[4] , Git ^[5] , Mercurial ^[5] , Subversion ^[5] and Perforce ^[5]
Permissions and additional requirements	<p>Windows user account with administrative privileges</p> <p>See Minimum permissions required to install and use ApexSQL products</p> <p>See Minimum SQL Server permissions for ApexSQL Developer tools</p> <p>See Remote access for SQL Server instance</p> <p>See How to setup image based database provisioning</p>
Azure DevOps Server (TFS) / Azure DevOps Services plug-in	
Hardware	214 KB disk space
Software	TFS 2015 Update 2 or higher, Azure DevOps Services
Bamboo plug-in	
Hardware	1.65 MB disk space
Software	Atlassian Bamboo 6.6.3 or higher
Jenkins plugin	
Hardware	5.8 MB disk space
Software	Jenkins 2.138 or higher

Octopus Deploy step templates

Hardware	32 KB disk space
Software	Octopus v2018.9.11 or higher
PowerShell scripts	
Hardware	500 KB disk space
Software	PowerShell 5.0 NuGet 3.5.0 or higher
TeamCity plug-in	
Hardware	16.3 MB disk space
Software	TeamCity 10.0 or higher
Web dashboard	
Hardware	164 MB disk space
Software	Internet Explorer 11 or higher Edge build 14393 or higher Chrome 50 or higher Mozilla Firefox 50 or higher Opera 40 or higher
Port	TCP port 5019 (http) and 4443 (https) on ApexSQL DevOps toolkit - Web Dashboard web server (configurable)

^[1] See [Supported systems](#) for exact version support

^[3] The minimum required version

^[4] Azure DevOps Server (TFS) ^[5] / Azure DevOps Services

^[5] Up to the latest version

Supported Software

Windows version				
Windows 7 SP1 & Windows Server 2008 R2 SP1	Windows Server 2012	Windows 8.1 & Windows Server 2012 R2	Windows 10 & Windows Server 2016	Windows Server 2019
✓	✓	✓	✓	✓

SQL Server version ^[4]									
	2005	2008	2012	2014	2016	2017		2019 CTP 3	
						Windows	Linux ^[3]	Windows	Linux ^[3]
ApexSQL DevOps toolkit	✓	✓	✓	✓	✓	✓	✓	✓	✓

SQL Server edition ^[4]						
	Express	Standard	Enterprise	Azure SQL Database		Amazon RDS for SQL Server
				Single Database, Elastic Pool	Managed Instance	

ApexSQL DevOps toolkit	✓	✓	✓			
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Source control systems						
	Azure DevOps ^[6]	Git ^[7]	Mercurial ^[7]	Perforce ^[7]	Subversion ^[7]	
ApexSQL DevOps toolkit	✓	✓	✓	✓	✓	

^[3] Tested on Ubuntu 16.04

^[4] Including Amazon EC2, Google Compute Engine, and Azure Virtual Machine cloud computing SQL Server instances

^[6] Azure DevOps Server (TFS) ^[7] / Azure DevOps Services

^[7] Up to the latest version

Getting Started

For further information about installation and getting started, please check the [Quest Knowledge Base](#) or [ApexSQL Getting Started](#).

Release Notes [\(release history\)](#)

ApexSQL DevOps toolkit - Octopus Deploy step templates

Release:	2020.05.0236
Date:	August 27, 2020

Fixes:

- SQL database script folder is not located in the Sync step when unpacked from NuGet

- "Login failed for user '#{Username}'" error is encountered when deploy script step is used in the Octopus pipeline

Release: 2018.08.0057
Date: January 11, 2019

Features:

- Native Octopus Deploy user interface
- Continuous delivery:
 - Compare SQL Server database schemas and create a script for schema synchronization
 - Compare SQL Server static data and create a script for data synchronization
 - Push schema and data changes to a target database
- Archive all output files in a central folder
- Automatically create rollback scripts