

ApexSQL DevOps toolkit – Bamboo plugin

Version 2019.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 R5 ^[3] ApexSQL Data Diff 2018 R7 ^[3] ApexSQL Diff 2018 R5 ^[3] ApexSQL Doc 2018 R6 ^[3] ApexSQL Enforce 2018 R7 ^[3] ApexSQL Generate 2019 ^[3] ApexSQL Mask 2019 R3 ^[3] ApexSQL Refactor 2018 R8 ^[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	Windows user account with administrative privileges See Minimum permissions required to install and use ApexSQL products See Minimum SQL Server permissions for ApexSQL Developer tools See Remote access for SQL Server instance See How to setup image based database provisioning
Bamboo plug-in	
Hardware	5.4 MB disk space
Software	Atlassian Bamboo 6.6.3 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 ^[3]									
	2005	2008	2012	2014	2016	2017		2019 CTP 3	
						Windows	Linux ^[2]	Windows	Linux ^[2]
ApexSQL DevOps toolkit	✓	✓	✓	✓	✓	✓	✓	✓	✓

SQL Server edition ^[3]						
	Express	Standard	Enterprise	Azure SQL Database		Amazon RDS for SQL Server
				Single Database, Elastic Pool	Managed Instance	
ApexSQL DevOps toolkit	✓	✓	✓			

Source control systems					
	Azure DevOps ^[4]	Git ^[5]	Mercurial ^[5]	Perforce ^[5]	Subversion ^[5]
ApexSQL DevOps toolkit	✓	✓	✓	✓	✓

^[2] Tested on Ubuntu 16.04

^[3] Including Amazon EC2, Google Compute Engine, and Azure Virtual Machine cloud computing SQL Server instances

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

^[5] 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 [\(release history\)](#)

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Release: 2019.07.0195
Date: January 24, 2019

Fixes:

- "java.lang.NullPointerException: Log entry can't be null" error is encountered when executing pipeline with remote agent older than version 6.9.2

Release: 2019.06.0194
Date: December 13, 2019

Enhancements:

- Bamboo remote agent support

Release: 2019.01.0181

Date: June 25, 2019

Enhancements:

- Provision a database
- Backup database
- Compare production database with source control
- Validate schema changes
- Format and obfuscate SQL code
- Sync step can be sourced directly from source control
- Sync data step can be sourced directly from source control
- Environmental variable `#{bamboo.apexsql.outputPath}` is added to use as the current execution output path

Fixes:

- Static data is included in the package when the Include static data option in the Build step is unchecked

Changes:

- Control to change the source for the Sync step is now a select box
- Control to change the source for the Sync data step is now a select box

Release: 2018.04.0054

Date: October 11, 2018

Features:

- Native Atlassian Bamboo user interface
- Continuous integration:
 - Build a SQL Server database directly from source control and optionally include static data
 - Fill empty tables with synthetic data
 - Integrate trigger-based audit trails and reporting into change sensitive database objects
 - Generate full or differential documentation for the SQL Server database
 - Test SQL Server database using unit tests
 - Enforce database best practices by reviewing, detecting and fixing issues
 - Create a clean database package for easy deployment

- Publish package to a designated NuGet feed
- 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
- Flexible pipelines