Quest®

ApexSQL
by Quest®

ApexSQL by Quest® DevOps Toolkit for SQL Server

Organizations are looking at DevOps initiatives as they seek to deploy applications faster, and at the automation tools that make rapidly building, testing and releasing software possible. But implementing changes to your database schemas is inherently risky, and doing it faster could mean compromising code quality, performance or reliability and increasing technical debt.

What if you could align SQL Server database and application changes into a continuous integration and continuous deployment (CI/CD) workflow in order to execute key database change management functions within your DevOps CI/CD pipeline? And what if you could ensure that your automated build and deploy processes work the same across the application and database stack in order to bring your products to market quicker?

ApexSQL by Quest® offers two editions of a DevOps Toolkit to help you orchestrate your database development tasks during build automation so they can be integrated with existing CI/CD processes.

FEATURES

ApexSQL DevOps Toolkit includes:

ApexSQL DevOps Toolkit

Use the toolkit to create and run CI/CD pipelines for SQL Server:

- Web console – plan, build, execute, test and report on pipelines from a single location

- Customize – add, edit or remove steps in CI and CD pipelines; applies to PowerShell, Web dashboard and build server plug-ins

- Build server support – integrate directly with Azure DevOps Server (TFS), Azure DevOps Services (VSTS), Jenkins or Bamboo via an ApexSQL DevOps toolkit plug-in or via PowerShell

ApexSQL Unit Test

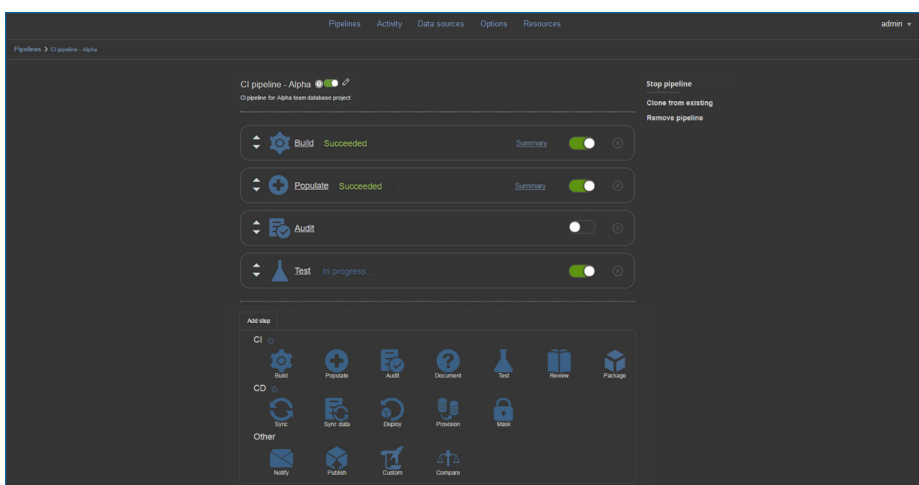Perform unit testing with these features:

- SSMS integration – access unit testing from within SQL Server Management Studio via the Object Explorer Pane and manage all tests from the Unit Test explorer tab

- Use tSQLt framework – get multiple options for installing the tSQLt framework, including the built-in version, web and file system

"I've tried ApexSQL Doc and ApexSQL Unit Test. My comment is: Excellent Tools, great Technical Support. Thanks ApexSQL"

Jasper Lai
Assistant Chief Engineer

BENEFITS:

- Deliver consistently high-quality changes faster with objective, automated rules-based reviews combined with automated testing

- Orchestrate all the important database build/deploy steps into build automation while maintaining an audit trail — at a fraction of the cost

- Track the impact of changes throughout the CI/CD pipeline in real time and quickly diagnose any performance issues

- Manage tests and classes – create, organize and run unit tests and test classes; run tests on different node levels on all databases on the selected SQL Server

- Command line interface support – automate test execution using the Command Line Interface

ApexSQL Enforce

Ensure code quality and enforce organization-wide standards:

- Ensure code quality – process databases and scripts against more than 100 out-of-the-box rules covering best practices, naming conventions, potential configuration and performance problems

- Manage rules – create and modify rules; set code rule conditions; customize severity levels and impact scores; set custom thresholds for build failure

- Create SQL to fix violations – enter static Fix SQL into the rule editor, or create it programmatically via the rule condition

- View results – see a summary and details from a processed rulebase; create XML reports; export Fix SQL snippets into a single script to fix all detected problems

The DevOps Toolkit also includes ApexSQL Build, ApexSQL Source Control and ApexSQL Generate, so you'll be able to:

- Build and upgrade SQL databases directly from source control including Git, Mercurial, Perforce, Subversion, and Team Foundation Server, while automating deployment processes

- Integrate with a source control system for routine functions such as check in/check out, conflict resolution and change rollback

- Generate millions of rows of test data with real-world data emulation

ApexSQL DevOps Toolkit Plus includes the items in ApexSQL DevOps Toolkit, along with:

ApexSQL Compare, ApexSQL Diff and ApexSQL Data Diff

Simplify complex SQL Server object, code, database and data comparisons:

- SSMS and Visual Studio integration – compare SQL Server objects directly from the Object Explorer and Server Explorer context menus in SSMS and Visual Studio

- Compare – compare files, live databases, SQL objects and more, and create a merge script

- Automate and schedule synchronization

ApexSQL Doc

Automate SQL database documentation:

- Multiple formats – generate documentation in CHM, HTML, DOC, DOCX, MARKDOWN or PDF outputs

- SSAS documentation – document detailed SSAS multidimensional and tabular databases

- SSIS documentation – document attached and detached SSIS packages, control flow and data flow diagrams

- Streamline workflows – automate, schedule and customize documentation activities

ABOUT QUEST

Quest creates software solutions that make the benefits of new technology real in an increasingly complex IT landscape. From database and systems management, to Active Directory and Office 365 management, and cyber security resilience, Quest helps customers solve their next IT challenge now. Quest Software. Where next meets now.

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