

Automating database changes

SQL Change Automation allows you to automate the process of deploying changes to a database with confidence. It provides a set of [PowerShell cmdlets](#) that can validate the project and run [tSQLt tests](#) before deploying the changes to different environments.

It also provides a set of [add-ons](#) for continuous integration and continuous deployment servers, such as [Team Foundation Server](#), [Azure DevOps \(formerly VSTS, Visual Studio Team Services\)](#), [Octopus Deploy](#), [TeamCity](#), [Bamboo](#) and [Jenkins](#).

Broadly speaking there are two parts to the process of deploying changes. First the project is validated and a deployment package is produced. This process is termed the 'build'. This is explained in [Continuous Integration](#).

The second part can be considered the 'release' step. This takes the deployment package produced by the build step and deploys it to the target environment. This is explained in [Automated Deployments](#).



Unless otherwise stated all automation documentation supports both [SQL Change Automation projects](#) and [SQL Source Control projects](#)