

Database projects with SQL Server Data Tools (SSDT) course

Comparison of editions



Module Name	Lesson	SSDT - Essentials	SSDT - Full	
Introduction & Installation		Welcome and introduction	✓	✓
		Installing SSDT	✓	✓
		Two approaches: State vs Migration	✗	✓
		Tools comparison	✗	✓
		Automation, DevOps, CI/CD	✗	✓
		Summary	✓	✓
Versioning with GIT		Git Mini-Course - Introduction	✗	✓
		Installation of utilities	✗	✓
		Project cloning	✗	✓
		Create a new project	✗	✓
		Basic commands (PULL, COMMIT, PUSH)	✗	✓
		New developer branch	✗	✓
		Pull Request and MERGE to the master branch	✗	✓
		Summary	✗	✓
Working with SSDT in Visual Studio		Introduction	✓	✓
		Create and work with a database project	✓	✓
		Variables in the project and their roles	✓	✓
		Project properties and database settings	✓	✓
		Summary	✓	✓
Import of an existing database		Introduction	✓	✓
		Database import directly from SQL server	✓	✓
		Database import from script and DACPAC file	✗	✓
		Database references	✓	✓
		Warnings	✓	✓
		Summary	✓	✓
Comparing and Publishing		Introduction	✓	✓
		Tools: Schema Compare	✗	✓
		Snapshot of database project	✗	✓
		Tools: Data Compare	✗	✓
		Generating a differential script	✓	✓
		Publishing changes and settings	✓	✓
		Publication profiles	✓	✓
		Pre/Post Deployment scripts in practice	✓	✓
		Data scripting and publication	✗	✓
Summary	✓	✓		
Azure DevOps and CI/CD		Introduction	✓	✓
		Publishing with Sqlpackage (CMD)	✗	✓
		Publishing with Sqlpackage (PowerShell)	✓	✓
		Generating the script and report (PowerShell)	✗	✓
		Building CI / CD in Azure DevOps	✓	✓
		Releasing a new version (Release)	✓	✓
		Report in Release Pipeline (CD)	✗	✓
		Publication for another environment (stage)	✓	✓
Summary	✓	✓		
Unit tests		Introduction	✗	✓
		Unit Test - developing in Visual Studio	✗	✓
		Unit Test - developing with tSQLt	✗	✓
		Running tests and reporting results	✗	✓
		Summary	✗	✓
Tips, Tricks & Troubleshooting		Introduction	✗	✓
		Effective troubleshooting	✗	✓
		References to system databases	✓	✓
		SSIS packages and references to SSISDB db	✗	✓
		Reference to the same database	✓	✓
		Rebuilding large indexes	✗	✓
		Splitting a column of data	✗	✓
		SQL Server On-Prem VS Azure	✗	✓
		Summary	✗	✓
Advanced		Introduction	✗	✓
		Circular references	✗	✓
		Security & DevSecOps	✗	✓
		SQL Agent Jobs	✗	✓
		Selective publication	✗	✓
		Summary	✗	✓