Configure and Deploy SSIS Packages

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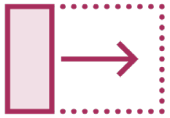
Agenda

- Deploying SSIS solutions
- Creating environments and mapping
- Executing package with an environment

Deploying SSIS Solutions

Deployments

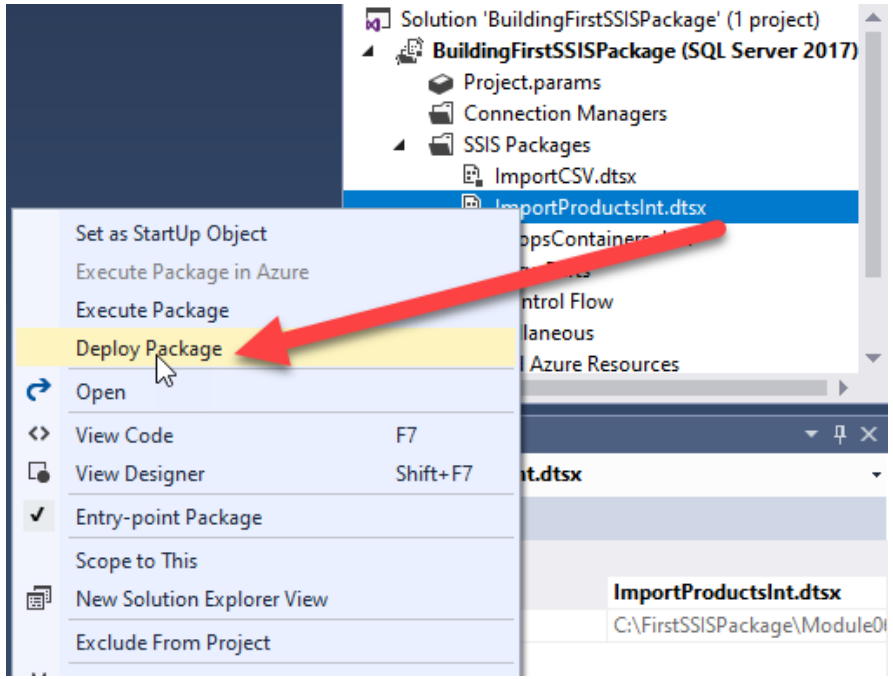


Project – parameters, connections, and packages

Individual package – version increased but faster than whole project

History is retained

Versions are incremental – last 10 by default



Deploy project

Deploy package

Catalog has versions

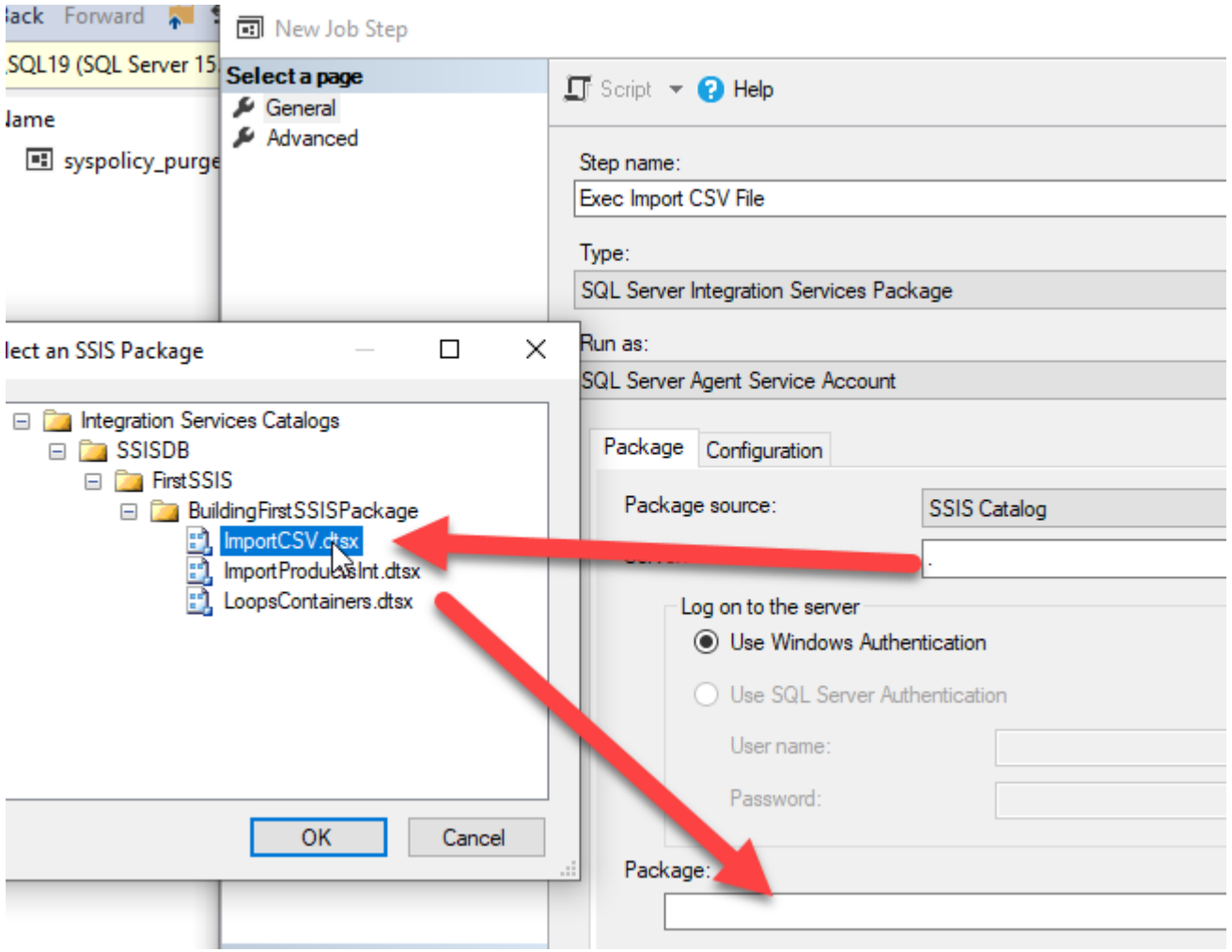
Revert to previous version

- Not source control
- Not linked to environment
- Uses defaults in package

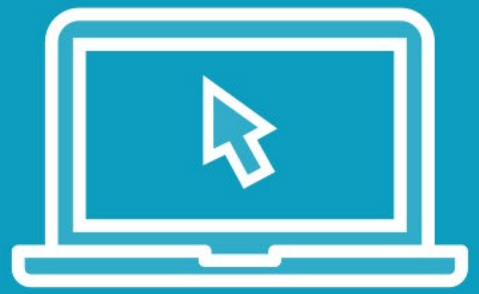
Executing...

...SSMS

...SQL Server Agent



Demo



Execute a package in SQL Server Agent

Creating Environments and Mapping

Environments

Dev

Local development on a laptop

QA

Testing for quality assurance or quality control

Prod

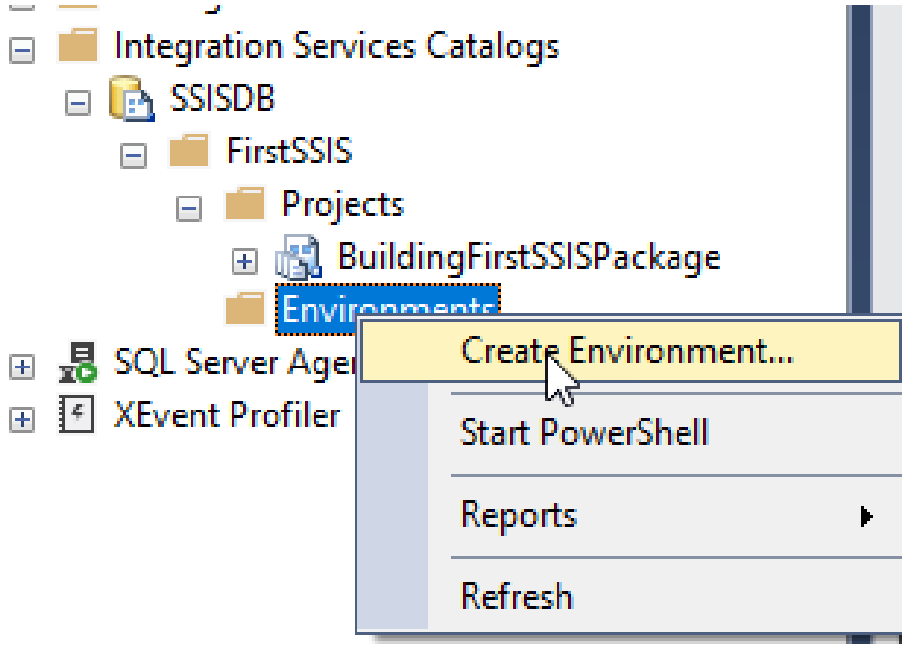
Production deployment for business

Values for parameters

Connection to sources

Used in expressions

Separate deployments

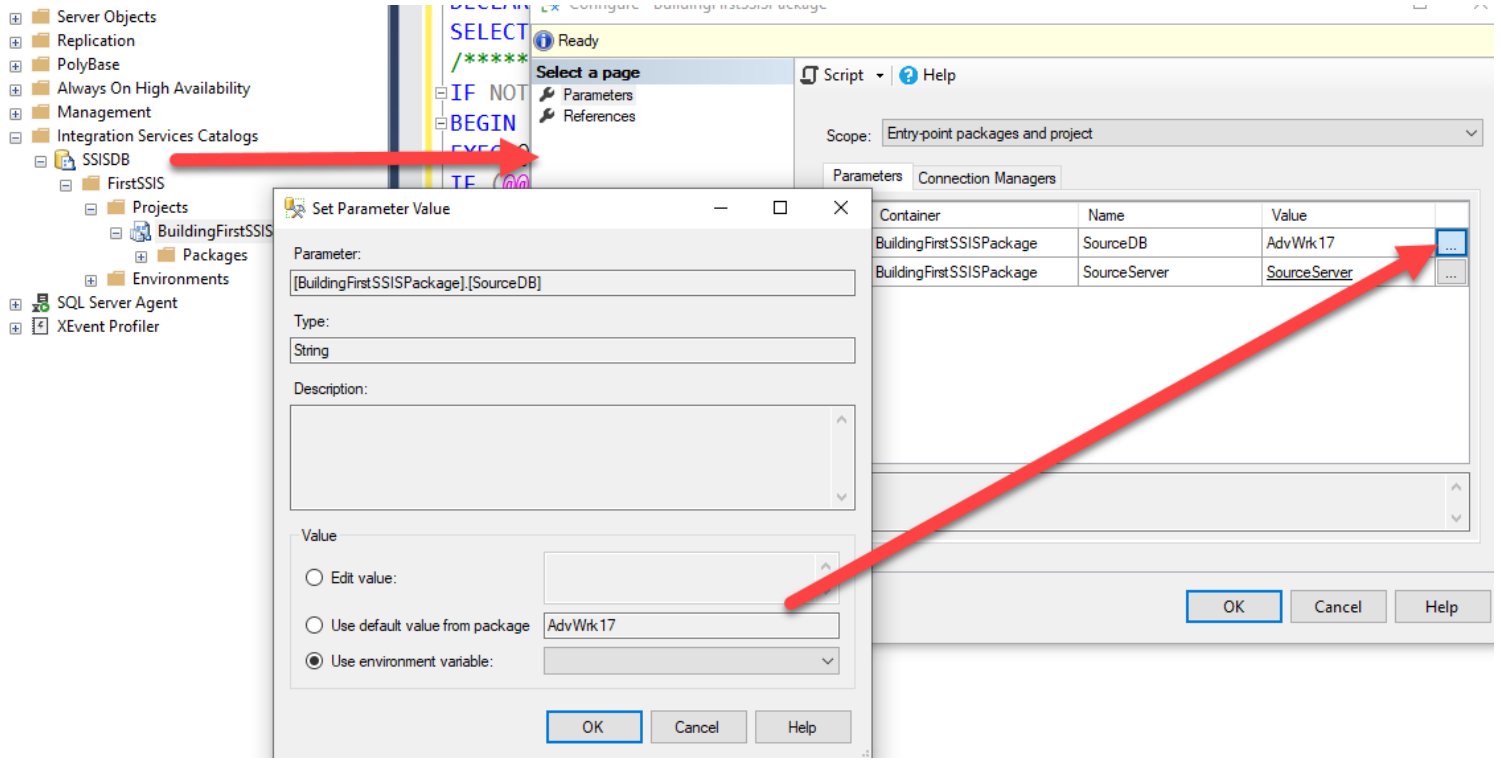


Relate environments

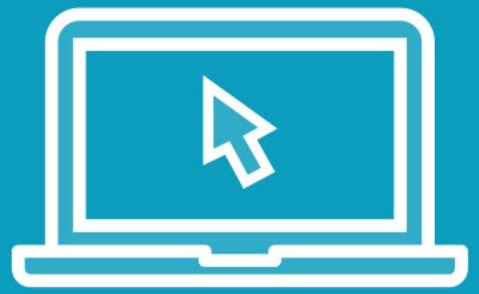
Select project parameters

Map parameter

Select in execution



Demo



Setup and map an environment

Executing Package with an Environment

Executing a Package

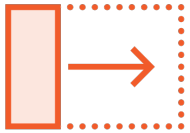
SSMS

Run package from SQL Server Management Studio, a manual step

SQL Server Agent

Create a job to run on a schedule, automation

SQL Server Agent



Runs with Database engine

Create job and step – use catalog deployment

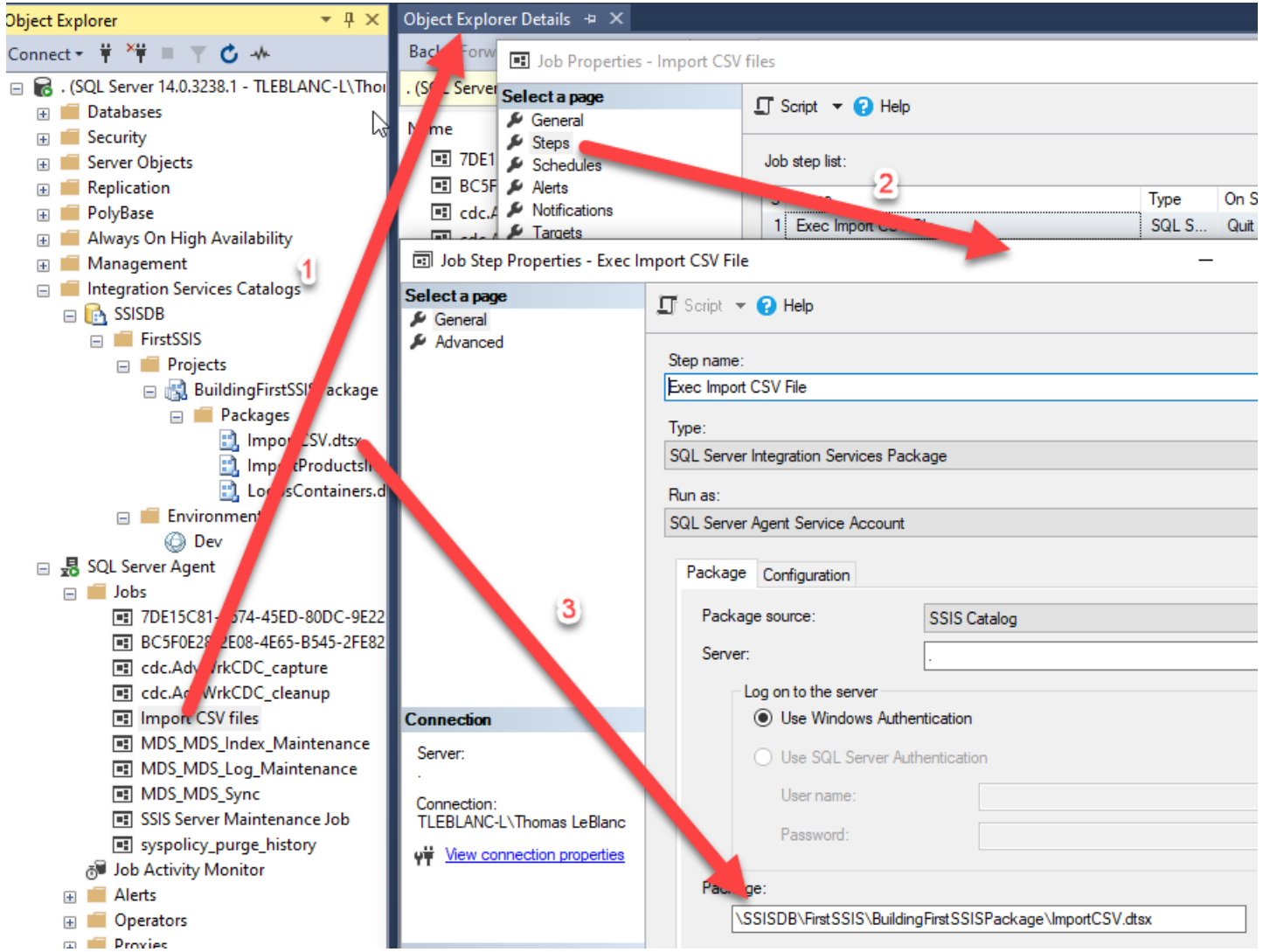
Schedule time to run

Job is configurable

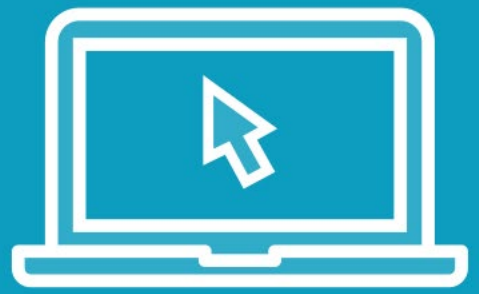
Set in the job

Relate to environment

Use dashboard to monitor



Demo



Execute job with environment

Summary

Configure and deploy

Use an environment

Capitalized on previous work

Altogether in agent job

Building first package

- More than meets the eye
- SSIS is powerful

Summary

Start to finish

Connection, source, and destination

Shared connections and parameter

Sorted through available components

Understand control versus data flows

Now use to solve business opportunities

- ETL – extract, transform and load
- Configure and monitor