Introduction to Integration Services

Learning about Integration Services Projects





Overview

- Integration Services Uses
- Architecture
- Package Development
- Integration Services Projects in BIDS
- Package Designer

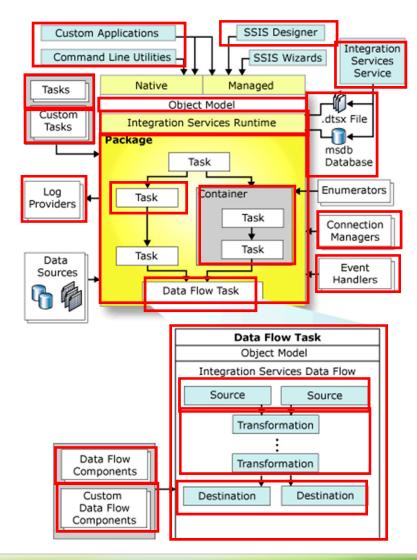


Integration Services Uses

- Populating data warehouses (ETL)
- Cleaning and standardizing data
- Merging data from multiple data stores
- Automating administrative tasks



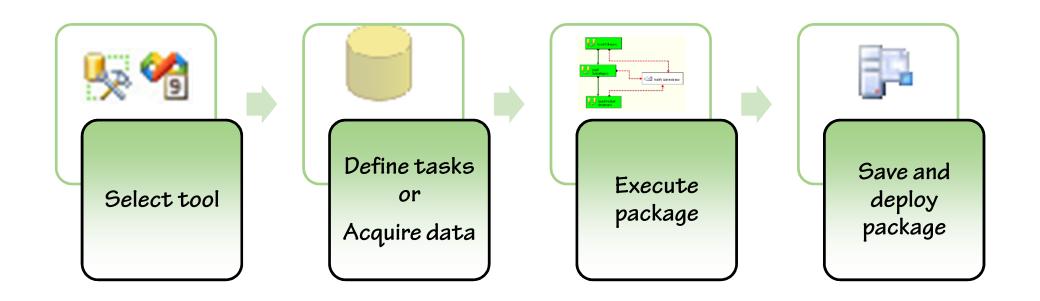
Architecture



Pipeline engine



Package Development





Integration Services Projects in BIDS

Project types

Integration Services Connections Project Wizard

Integration Services Project Items

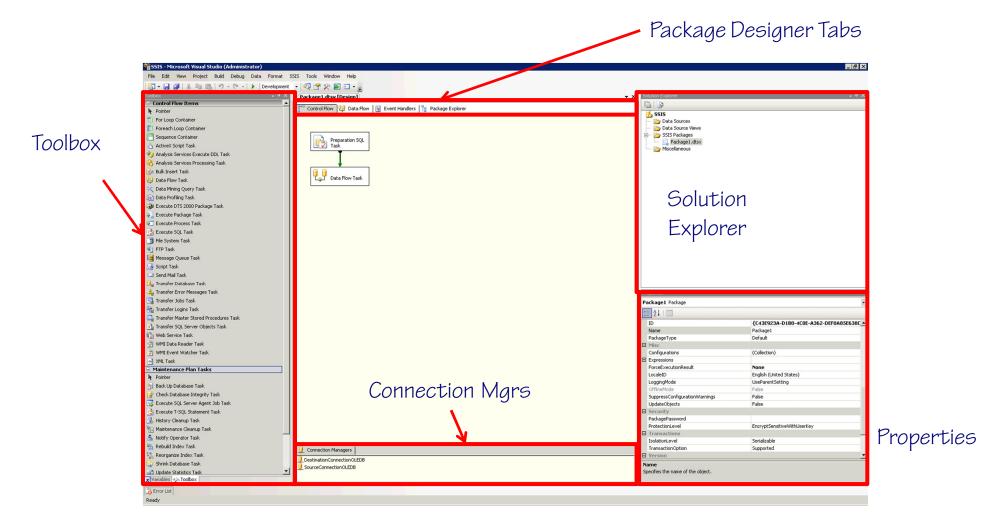
Package DTSX file

Data Source DS file

Data Source View DSV file

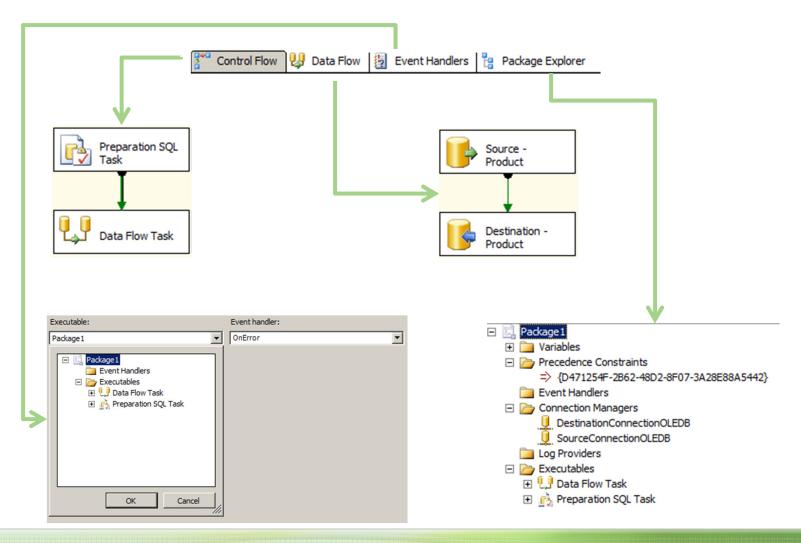


Package Designer



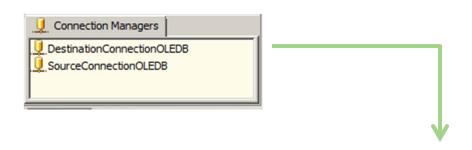


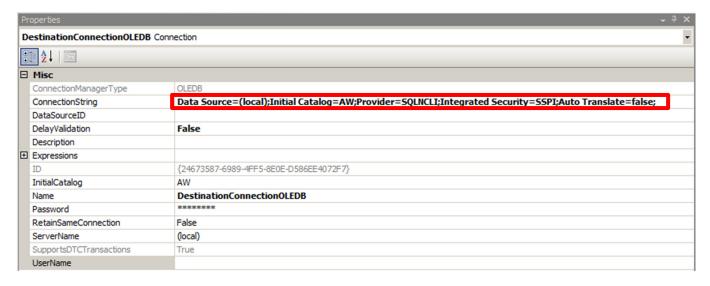
Package Designer Tabs





Connection Managers





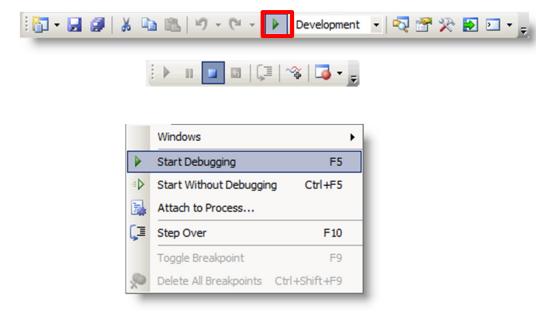


Package Execution

Toolbar



Package Context Menu







Summary

Integration Services Uses

Data warehousing ETL, data cleansing, merging data, maintenance tasks

Architecture

Control flow engine, data flow engine, package executables

Package Development

Tool selection, task definition, package execution, deployment

Integration Services Projects in BIDS

Package, data source, data source view

Package Designer

- Control flow, data flow, event handlers, package explorer
- Connection managers
- Package execution



References

- Architecture of Integration Services
 - http://msdn.microsoft.com/en-us/library/bb522498.aspx
- Understanding the Components of an Integration Services Package
 - http://msdn.microsoft.com/en-us/library/ms139914.aspx

