Control Flow Tasks

Exploring control flow tasks by category





Overview

- Data Preparation Tasks
- Process Communication Tasks
- SQL Server Tasks
- Analysis Services Tasks
- Database Maintenance Tasks



Data Preparation Tasks

Task	ETL Example
File System Task	Move processed data files to an archive folder
FTP Task	Download source data files from an FTP server
Web Service Task	Retrieve current exchange rate from Web service
XML Task	Validate and query an XML document
Data Profiling Task	Produce report assessing data quality, data patterns, and dependencies

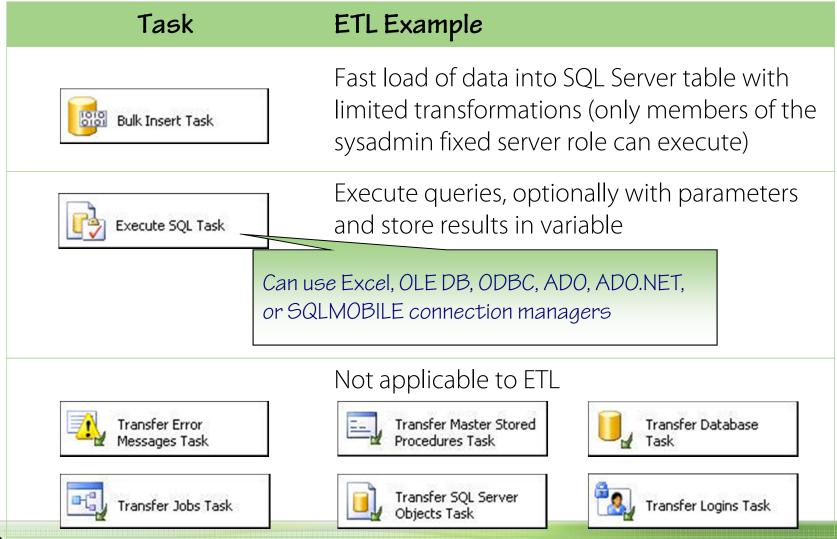


Process Communication Tasks

Task	ETL Example
Execute Package Task	Run packages
Execute DTS 2000 Package Task	
Message Queue Task	Send and receive messages between packages
WMI Data Reader Task	Read WMI data (memory, disk space, etc.)
WMI Event Watcher Task	Watch for WMI events
Execute Process Task	Run programs or batch files
≡ Send Mail Task	Send e-mail message when a task fails



SQL Server Tasks



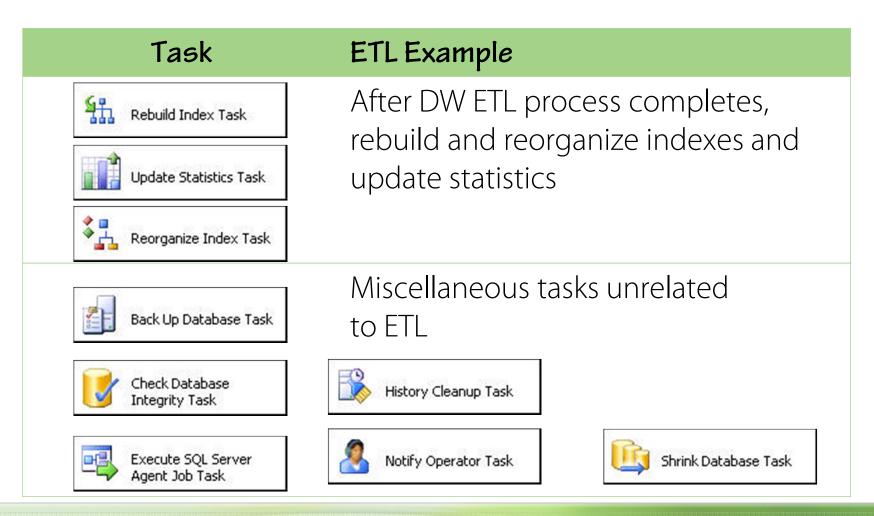


Analysis Services Tasks

Task	ETL Example
Analysis Services Processing Task	After DW ETL process completes, process affected SSAS objects
Analysis Services Execute DDL Task	Automate dynamic partition processing
Data Mining Query Task	Score clients according to latest sales transactions



Database Maintenance Tasks





Summary

- Data Preparation Tasks
 - Move files to different locations, validate data, analyze data
- Process Communication Tasks
 - Interact with services, processes, or other Integration Services packages
- SQL Server Tasks
 - Execute bulk inserts, SQL statements, transfers of database objects
- Analysis Services Tasks
 - Process Analysis Services database objects, execute data mining queries
- Database Maintenance Tasks
 - Perform backups, maintain indexes, and other miscellaneous tasks



References

- Integration Services Tasks
 - http://msdn.microsoft.com/en-us/library/ms139892.aspx
- WQL (SQL for WMI)
 - http://msdn.microsoft.com/en-us/library/aa394606(v=VS.85).aspx
- Receiving Event Notifications (WMI Event Watcher)
 - http://msdn.microsoft.com/en-us/library/aa393017(v=VS.85).aspx
- Creating DMX Prediction Queries
 - http://technet.microsoft.com/en-us/library/ms175376.aspx

