Automate and Integrate Business Intelligence and Data Warehousing Processes from A to Z with the ActiveBatch Extension for IBM InfoSphere DataStage

Problem:

IBM InfoSphere DataStage is a powerful data extraction, transformation and loading tool used to manage large volumes of data. But scheduling and automating the execution of multiple DataStage jobs using DataStage Director is difficult and often times requires custom scripting. Additionally, integrating DataStage with other components of your Business Intelligence (BI) and Data Warehousing process can be challenging when limited to Director. For organizations looking to automate the execution of DataStage jobs and integrate DataStage across a wide range of IT systems and databases, an enterprise-wide job scheduling solution has been proven to be the answer.
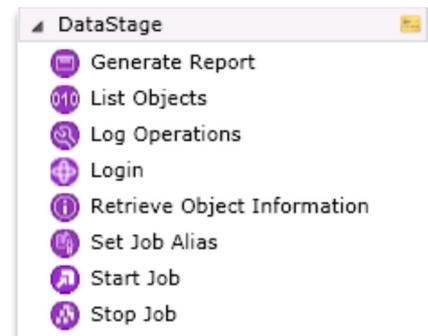
Solution:

The ActiveBatch® Extension for IBM InfoSphere DataStage automates and integrates key resources and processes within your data warehousing and BI environments. The ActiveBatch Integrated Jobs Library allows users to schedule and execute DataStage processes, including listing, running and stopping ETL jobs, all from within ActiveBatch's centralized console.

ActiveBatch allows users to easily create workflows that automate the uploading and exporting of data into and out of various data sources using IBM InfoSphere DataStage, and integrate those processes with other BI solutions, data warehousing tools and databases via workflows in ActiveBatch. The Integrated Jobs Library provides a drag and drop interface with reusable, production ready Job Steps to integrate a wide range of BI and data warehousing solutions, including Teradata, IBM Cognos BI, Informatica PowerCenter, Netezza and SAP BusinessObjects. These workflows are enhanced by ActiveBatch's scheduling and automation capabilities, which include data/time scheduling, event automation, triggers, constraints, alerting, monitoring and more.

Example:

If you use DataStage in conjunction with various BI solutions such as IBM Cognos BI or Microsoft Crystal Reports, you can automate the process of loading data using DataStage, running reports within a BI solution and distributing them to end users, all within ActiveBatch's centralized

IBM InfoSphere DataStage 8.5
ActiveBatch Version 8 Service Pack 3 and above

ActiveBatch® Extension for IBM InfoSphere DataStage Jobs Library Job Steps:

The ActiveBatch Integrated Jobs Library simplifies the development and implementation of single and/or compound business and IT processes into unified workflows using simple drag-and-drop templated Job Steps.

www.ActiveBatch.com

ActiveBatch® Extension for IBM InfoSphere DataStage Workflow
As displayed in the ActiveBatch Integrated Jobs Library

Name	Value
Queue	/OK/DataStage/datastage
UserAccount	/OK/DataStage/DSAdmin
▶ ☑ 010 ListProjects	DataStage ⊗
▶ ☑ 010 ListJobs	DataStage ⊗
▼ ☑ 🔁 StartJob	DataStage ⊗

Name	Value
Project Name	${PROJECT}
Use Job Alias	True
Job Name	${JOB}
Mode	NORMAL
ParameterFile	
WarningLevel	
Rows	
Wait	True
JobStatus	False
UserStatus	False
Local	True
OpMetadata	False
DisableProjectHandler	False
DisableJobHandler	True

Name	Value
▶ ☑ ⓘ RetriveObjectInformation	DataStage ⊗
▶ ☑ 📧 GenerateReport	DataStage ⊗
▼ ☑ 🔍 LogOperations	DataStage ⊗

Name	Value
Project Name	${PROJECT}
Use Job Alias	True
Job Name	${JOB}
Log Operation	DISPLAY_SPECIFIC
Log Level	INFO

Name	Value
▶ ☑ 🛑 StopJob	DataStage ⊗

Benefits:

- Automated data integration from multiple sources
- Automate ETL jobs within DataStage
- Improve data quality and reporting
- Easily create and automate end-to-end workflows without the need for custom scripting

Partnership:
Advanced Systems Concepts, Inc. is an IBM Business Partner. ActiveBatch allows users to easily build mixed workloads by coupling them with databases, applications, and advanced technologies for improved business process automation. Users are requiring advanced scheduling capabilities that can benefit from ActiveBatch by better managing and controlling workloads and tasks across disparate systems

About IBM InfoSphere DataStage:
IBM® InfoSphere® DataStage® integrates data on demand across many systems via a high performance parallel framework, extended metadata management, and enterprise connectivity. Visit www.ibm.com.

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www.ActiveBatch.com
+1 (973) 539-2660
info@advsyscon.com

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