ActiveBatch® Integrated Jobs Library Job Steps for

Oracle® Database

Enhance Oracle Scheduling with ActiveBatch® Enterprise Job Scheduling and Workload Automation

Oracle Database: IT Boundaries Identified

As IT environments grow in size and increase in complexity, organizations need more efficient ways to manage their database and integrate Oracle jobs and stored procedures into sophisticated workflows that include Oracle as well as other databases, applications and technologies. Without an enterprise-wide job scheduling solution in place, Database Administrators (DBAs) are bound by limited scheduling capabilities found in the native Oracle Scheduler. DBAs have relied on custom scripting to manage dependencies and pass data from one job to another. However, as job requirements become more complex, they become harder to manage and custom scripts become more time-consuming to develop and maintain. Automation tools are needed to more easily and efficiently schedule Oracle jobs, stored procedures, and functions within workflows, saving time for DBAs, reducing the need for custom scripting and offering greater productivity and scalability for the reliable execution of Oracle jobs and functions.

Extend Oracle Scheduling Capabilities

ActiveBatch® Job Scheduling and Workload Automation extends Oracle scheduling capabilities by providing users with over 130 production-ready Job Steps in a drag-and-drop format to create workflows that include Oracle and non-Oracle systems, all without the need for custom scripting. The ActiveBatch Integrated Jobs Library support for specific Oracle functions includes:

- Start Job
- PL-SQL Block
- Get Job Status
- Import
- Synchronize Job
- Export

The Oracle database production-ready Job Steps within the Integrated Jobs Library provide users with auto-populating drop down menus to designate job criteria such as data source, database credentials, directory and file names as opposed to hard coding these variables via a PL-SQL script. These Job Steps allow an IT organization to synchronize database processes across multiple databases all form a single interface. In addition, these Job Steps are supplemented by a series of Flow Control and Database Job Steps to give users greater flexibility and control in the automation of database functions. For example, the *ForEachRow* Job Step allows a user to designate which rows of data from within the database table should be loaded, retrieved or passed "downstream" within the workflow to another database or system.

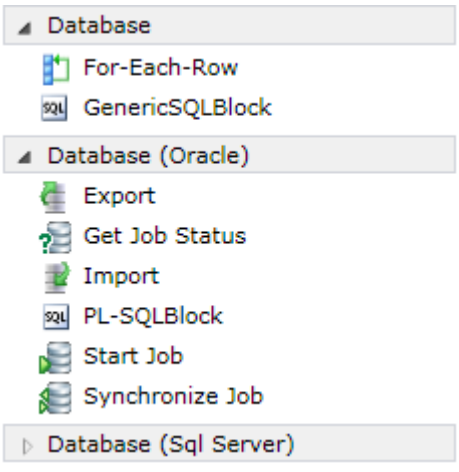
Oracle Database scheduling functions are extended by ActiveBatch's advanced scheduling capabilities that include check pointing, constraints/dependencies, monitoring, alerting, auditing and more. The Integrated Jobs Library allows users to incorporate Job Steps such as FTP, SFTP, FTPS, Stored Procedures, .NET Assemblies, Command Line, Web Services and more into workflows by coupling the business execution logic found in Oracle with the robust framework that ActiveBatch has to offer. ActiveBatch supports Oracle Database triggers so that when an Oracle database table is modified or an insertion or deletion is made, a workflow can be initiated.

ActiveBatch supports the running of Oracle jobs on its server or on other systems running the Oracle client. In addition, ActiveBatch gives the designer a choice between agent and "agent-less" access to the Oracle systems for invoking the Oracle task and incorporating these tasks into end-to-end workflows that include other systems. With ActiveBatch, organizations can take advantage of greater flexibility in the management of Oracle jobs because ActiveBatch's ease of use allows IT users, other than DBAs, the ability to view and trigger jobs. User permissions can be set to ensure the proper amount of visibility and control is allotted to each user.

ActiveBatch® Integrated Jobs Library Job Steps for Oracle Database

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.

Oracle Database: XE, 10g, 11g
ActiveBatch: Version 7 and above



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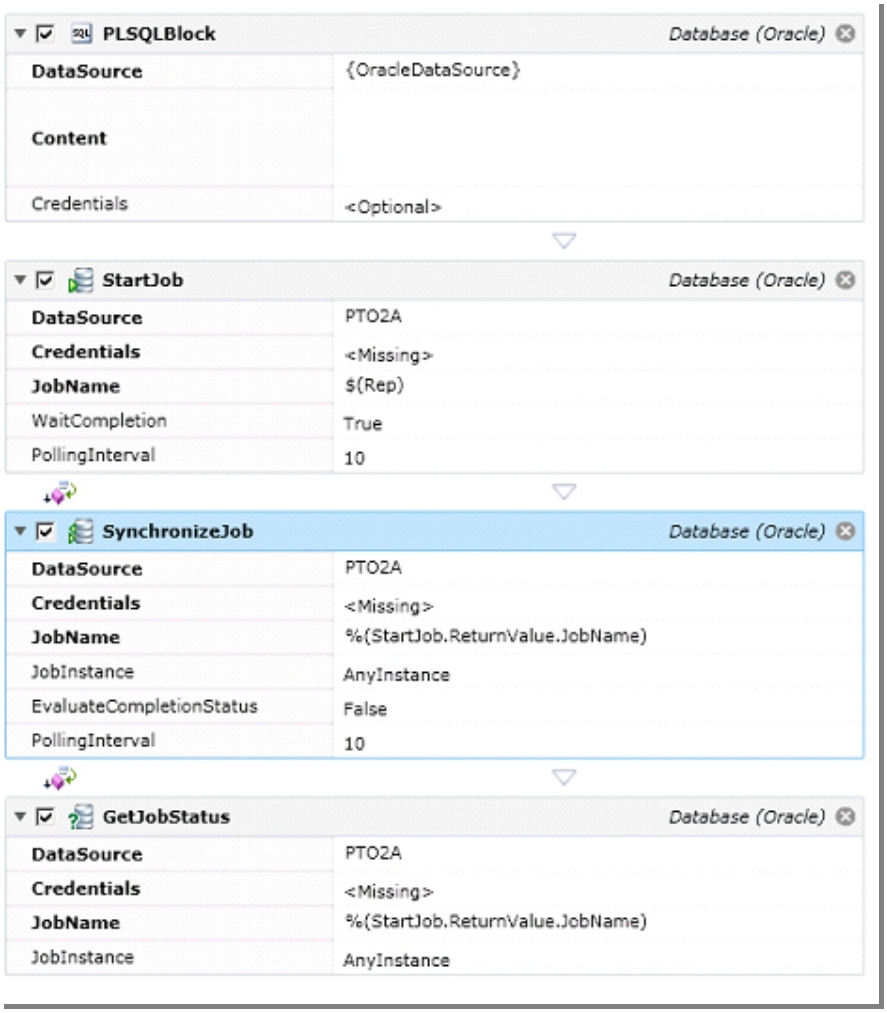
ActiveBatch® Integrated Jobs Library Job Steps for Oracle Database
As displayed in the ActiveBatch Integrated Jobs Library



Benefits

Improve productivity and save time by using a single, enterprise-wide job scheduling solution. Oracle users can receive benefits from ActiveBatch's ability to support:

- Job Chaining across multiple Oracle systems giving operators the ability to communicate and manage multiple Oracle jobs and workflows from a single interface.
- Single Point of Scheduling to easily integrate Oracle jobs with scripts and applications all managed through the ActiveBatch Job Scheduler.
- Load and Automate Oracle Stored Procedures within ActiveBatch workflows for improved productivity, performance and ease of use.
- Pass Information from Oracle databases to other servers, databases or applications with or without custom script creation.
- Event Triggers for Oracle Databases that support the initiation of ActiveBatch jobs and workflows to start on the insertion, update or deletion of information. ActiveBatch also supports a wide range of events that can be used to trigger your Oracle Workflows.
- Integrating File, Resource, and Variable Constraints with Oracle jobs to reduce errors and ensure accuracy.
- Customizable and Flexible Alerting for Oracle jobs finally give organizations peace of mind knowing that their data will be up to date each and every day.

ActiveBatch® Integrated Jobs Library Job Steps for Oracle Database
Scan this QR Code to learn more about ActiveBatch Enterprise Job Scheduling and Workload Automation Job Steps for Oracle Database.

Advanced Systems Concepts, Inc.