

# Actian DataConnect Integration Manager

Centrally manage and monitor all your integrations from single pane of glass

## Key Benefits

Achieve robust security with a centralized console for controlling user access

Monitor integration jobs to meet SLAs and identify potential problems via simple dashboard

Centrally manage and monitor large, distributed environments

Configure and schedule integrations through a web-based GUI

Quickly clone configurations and rapidly deploy updates by creating parent templates

Store and reuse macros using simple configurable inputs and no code changes

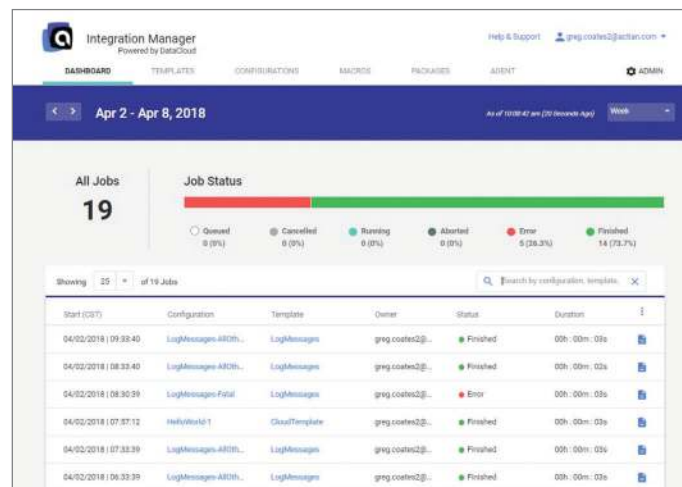
Easily automate the deployment, configuration and execution of integrations using RESTful APIs

DataConnect runtime Engine is compatible with and can be managed within containers (e.g., Docker, Kubernetes)

Actian DataConnect Integration Manager is a web application that allows operations and support staff to easily configure, schedule, execute, and monitor all deployed integrations from a single pane of glass. Using a single, web-based console, you can gain a holistic view of all your templates, configurations, macros, schedules, and more across large, distributed environments.

Portable integration packages can be uploaded and quickly configured by your operations and support team members for Go-Live. They can receive auto alerts and continue to monitor the status of those integrations in real-time in order to manage change over time.

You have control of user access and permissions as well as all configurable runtime properties of integrations to ensure robust security. Integration Manager also provides an easily consumable RESTful API for complete automation of deployment, configuration, and execution of the integrations.



**Figure 1.** The Enterprise Integration Manager provides a single pane of glass view of templates, configurations, schedules, packages, logs, macros, users/groups, and overrides.

## Rapidly make changes with reusable Templates

Quickly create new Configurations by starting with a Template of default settings that are the runtime instructions for an integration and include things like the integration package name, schedule, user permissions, and other input parameters. Templates enable you to rapidly deploy updates because all of its Configurations can inherit the new settings. For example, you can deploy package updates en masse when changes to the integration design are necessary.

Furthermore, you can customize these default settings of any Configuration to run the same integration in multiple different ways without making any changes to the actual design. This make is very easy to run an integration using different URLs, credentials, file locations, to name a just a few.

The following diagram shows the flexible yet simple relationship.

## Table of Features

Management User Interface	
Hierarchical Job File Management	File and integration package management functionality and inheritance within template or configuration context.
Hierarchical Job Macro Management	Macro management and inheritance within template or configuration context for robust input parameter functionality.
Job Configuration guided workflow	Step-by-step guide for job config creation.
Job Configurations	Create, edit, activate/deactivate job configuration customized settings.
Job Template creation guided workflow	Step-by-step guide for job template creation.
Job Templates	Create, edit, activate/deactivate job template default settings.
User Administration	Create, edit, activate/deactivate users.
Automated Notification service	Enables automatic real-time notification of job statuses.
Management Services	
Account Management API	Standard user administration functionality with Admin and User roles.
RESTful API	The web service interface provides the ability to securely and dynamically manage integrations. All Integration Manager services are available via the API.
API Security	Full JWT support for authentication and authorization of API access.
Support for DataConnect 11.3 runtime	Allows backward compatibility with Data Connect versions 9 and 10 to protect your investments.
Container friendly	The Integration Manager Services are available as Docker container images for distributed processing with controllers like Kubernetes.
Embedded Database	Embedded relational database for job configuration, including embedded database admin portal, using H2. (note: the database has also been externalized for customization and extension).
Embedded Job Queue	Embedded queueing system for job execution using Apache Zookeeper. (note: the queues has also been externalized for customization and extension).
Embedded Worker	Embedded worker for the DataConnect Integration Engine.
Enterprise Scheduling Capabilities	Commonly used intervals to advanced cron scripting support.
Installer for Windows	Installer for complete management stack, including API, database, embedded queueing system, and standalone worker.
Linux platform support	Integration Manager installer and support for Linux is now available.
Job Configuration API	Create, manage, and schedule recurring jobs and related macros. Create and manage templates for mass changes across a customer base or department.
Job Execution API	Run jobs on-demand. Create dashboards and mashups of queued, running, and recently completed jobs.
Job Orchestration service	Provides tracking and aggregation of jobs invoked via a parent process that uses.