

# What's new in DataConnect and Integration Manager

## DataConnect Platform Overview

**Action DataConnect Studio** focuses on developer productivity and simplifying the integration design experience. A responsive desktop IDE built for extensibility provides immediate interactive feedback from the runtime engine to improve user efficiency. Design metadata is easily accessible and facilitates collaboration and the use of third-party source control.

DataConnect supports hierarchical mapping models using a JSON metadata format. This enables the ability to quickly map data structures in complex formats like XML, EDI X12, JSON, and other legacy sources like COBOL. It improves processing efficiency with things like Constants, and Temporary Targets for mapping to and from in-memory data with a graphical drag-and-drop interface just like other source and target connections.

**Action DataConnect Integration Manager** provides an intuitive, web-based, user interface enabling operations personnel to quickly configure, schedule, execute, and monitor integrations that includes a unique log browser to quickly find errors and other relevant messages.

A RESTful API with its own HTTP endpoint is automatically published for every configured integration with no additional coding. Developers can use the API to automate and dynamically manage any aspect of deployed integrations.

The Integration Manager architecture is based on the micro-services paradigm and supports the ability to deploy Docker containers and manage using third party control planes like Kubernetes. Then enables our customers to choose from multiple deployment options like on-premise data centers, "BYO License" private or public cloud, or create your own custom stack and manage XaaS (everything as a service).

## Security

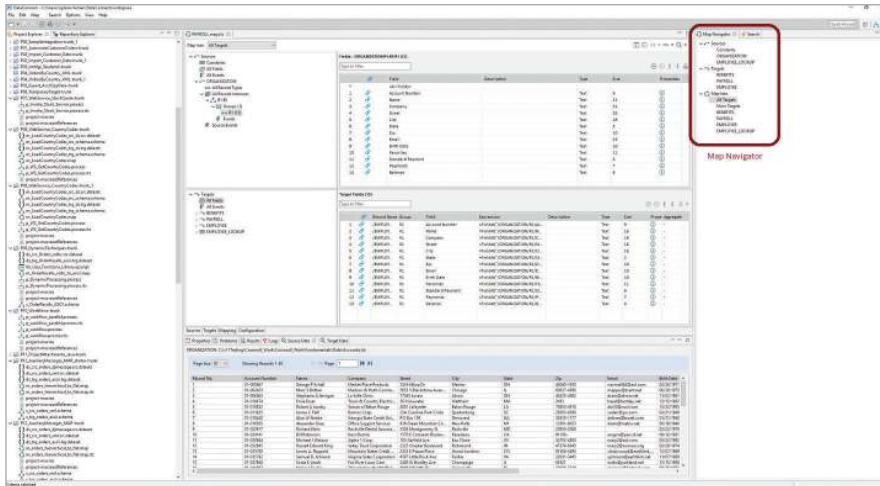
**Action DataConnect Studio and Integration Manager have your security concerns in mind.** Every attempt is made to bring you the latest technology updates and capabilities so you may lock down your integrations and the environments in which they run using a combination of your existing governance policies and modern integration practices. Some of examples include:

- **Design metadata repository** – a file-system based metadata repository leverages existing network authentication and file sharing rules your existing security practices depend on while facilitating the use of other governance tools.
- **Engine SDK / CLI execution** – the runtime executable also leverages existing network authentication and execution permissions to support current security practices with no additional dependencies.
- **DataConnect Integration Manager** – a browser interface to deploy, configure, and monitor integrations that uses OAuth token authentication, role-based access with read-write-execute permissions, and group management for large scale deployments.
- **UniversalConnect™ Technology** – connectors and components support TLS 1.2 standard to encrypt in-flight data with the same policies as the application to which you are connecting. No data is persisted at runtime unless it is designed into the integration.

- **DataConnect Integration Manager PaaS deployment is the** fully hosted by Actian DataCloud and SSAE-16 SOC2 Type 2 compliant with secure runtime and connectivity to data behind the firewall.

## What's New in DataConnect Studio 11.4

For complete details on each latest version, see the [Release Notes](#) topic in the on-line documentation.



This release of DataConnect offers updates based on feedback from our users. The user interface enhancements include things like:

- **Map Navigator** – improved multiple source and target connections and their mappings.
- **Labeling** – better identification and more well positioned labels to improve intuitiveness.
- **Configuration tab layout** – reduced scrolling and standardized the layout panels.
- **Automatic unique log file naming** – added a user preference to create new log file names based on new map and process names.
- **Target schema** – improved the process to create target schema when no target file already exists.
- **Project Importing** – improved logging during artifact imports and added the ability to merge macros into the workspace macro definition file.

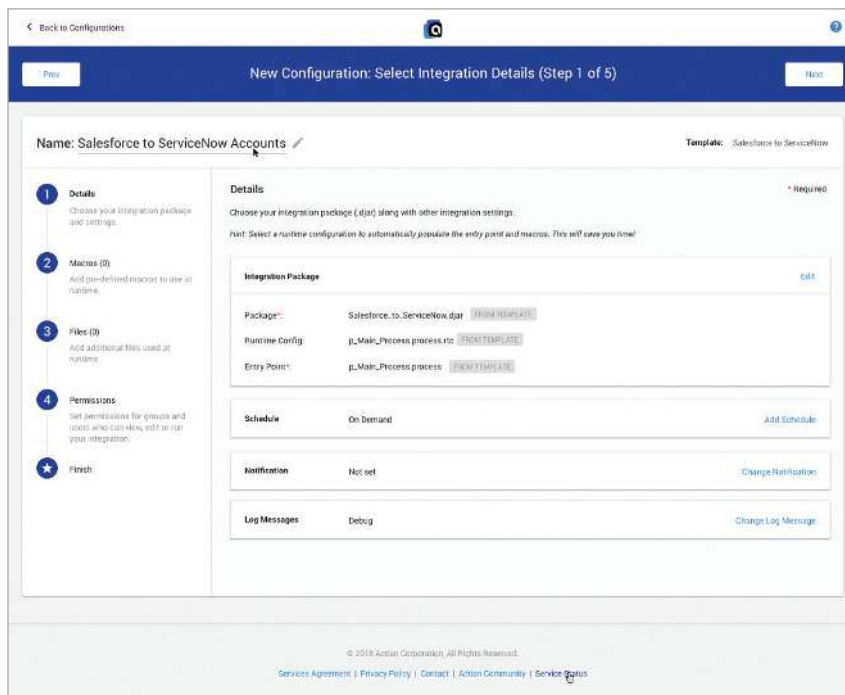
New and improved connectivity and platform items also include:

- **Netsuite 2018.2** – updated the connector to support the current WSDL and added token-based authentication.
- **Zip Invoker** – added a compression and decompression invoker that supports AES256 encryption.
- **DataFlow Invoker** – added the ability to configure and invoke DataFlow executions as part of a Process Design to extend DataConnect into larger data processing pipelines.
- **Eclipse Site plugins** – added Linux platform plugins for the DataConnect Studio IDE

# What's new in Integration Manager 1.6

Action Electronic Software Download site now has Integration Manager 1.6 available for download. New features available in this release include:

- **DataFlow native scheduling and execution** – BYO DataFlow engine or cluster. Directly invokes DataFlows in addition to the support provided in DataConnect Studio Process Designer workflows.
- **Aggregator Service** – Merciless event-processing via DataConnect or DataFlow aggregates messages into micro-batches for efficient processing.
- **High Availability** – Quickly stand up multiple worker nodes for additional workload bandwidth or job segregation.
- **Streamlined Installation and configuration** – Integration Manager server can be quickly deployed and run standalone or in fully distributed mode.
- **Improved Job Template and Configuration wizards** – more intuitive deployment interactions for rapid configuration and scheduling of integrations.
- **Externalized Worker Service and Messaging Broker** – provides “bring your own” database and messaging services for on-premise and private cloud deployments to enable custom management and reporting solutions.



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