Informatica® Cloud Data Integration
Summer 2018 October

What's New
Table of Contents

Chapter 1: What's new in Data Integration ........................................ 5
New features and enhancements ................................................................. 5
Asset management ................................................................................. 5
Field mapping .......................................................................................... 6
File listener ............................................................................................... 6
Intelligent Structure Discovery and Structure Parser transformation .......... 6
Mass ingestion ......................................................................................... 6
REST API ................................................................................................. 7
Transformations ......................................................................................... 8
Transformation palette ............................................................................. 8
Documentation .......................................................................................... 8
Changed behavior ..................................................................................... 9
Import and export logs ............................................................................ 9
Connectors ................................................................................................. 9
New connectors ......................................................................................... 10
Enhanced connectors ............................................................................... 11
Changed behavior ..................................................................................... 17
Enhancements in previous releases .......................................................... 19

Chapter 2: Upgrading from Data Integration Spring 2018 to Summer 2018
October .................................................................................................. 20
Preparing for the upgrade ......................................................................... 20
Microsoft Azure Connectors Pre-Upgrade Tasks ..................................... 21
After you upgrade ..................................................................................... 21
Amazon Redshift V2 connector post-upgrade tasks .................................. 21

Chapter 3: Migrating from Informatica Cloud Spring 2017 to Data
Integration Summer 2018 October ......................................................... 22
Data Integration features ........................................................................... 22
Assets ....................................................................................................... 23
Projects ..................................................................................................... 23
Tags .......................................................................................................... 23
Templates .................................................................................................. 23
Mass ingestion .......................................................................................... 23
Advanced Taskflows ................................................................................ 24
Structure Parser Transformation .................................................................. 24
Pre- and post-SQL commands for targets .................................................. 24
Job monitoring ......................................................................................... 24
Event monitoring ...................................................................................... 25
Bundles ...................................................................................................... 26
## Table of Contents

- **Custom user roles.** .................................................. 26
- **Asset migration.** .................................................. 26
- **New user interface.** .................................................. 26
- **My Services page.** .................................................. 27
- **Home page.** .......................................................... 28
- **Informatica Intelligent Cloud Services header.** ................. 28
- **Navigation bar.** .................................................... 30
- **Explore page.** ........................................................ 31
- **New Asset dialog box.** ............................................. 33
- **Connectors.** .......................................................... 34
  - **New connectors.** .................................................. 34
  - **Enhanced connectors.** ........................................... 37
- **REST API.** ............................................................ 42
- **Online Help.** .......................................................... 43
- **Quick references.** ................................................... 44
  - **New and changed terms.** ....................................... 44
  - **Informatica Cloud and Informatica Intelligent Cloud Services task locations.** ................. 45
- **Preparing to migrate.** .............................................. 49
  - **After you migrate.** ................................................ 50
    - **Administrator post-migration tasks.** ......................... 50
    - **Data Integration post-migration tasks.** ...................... 51
    - **Secure Agent post-migration tasks.** ........................ 51
    - **REST API post-migration tasks.** ............................ 51
    - **Salesforce post-migration tasks.** ............................ 51
    - **runAJobCli post-migration tasks.** .......................... 51
    - **Microsoft SQL Server Connector post-migration tasks.** .......................... 52
    - **MySQL Connector post-migration tasks.** ................... 52
    - **REST V2 Connector post-migration tasks.** .................. 52
    - **Salesforce Connector post-migration tasks.** ............... 52
    - **Salesforce Marketing Cloud Connector post-migration tasks.** .................. 52
    - **Zendesk Connector post-migration tasks.** .................. 53
    - **Post-migration tasks for custom configuration files** .......... 53
    - **Post-migration asset changes.** ............................. 54
    - **Post-migration administrative functionality changes.** .... 55

**Index** ........................................................................ 56
CHAPTER 1

What's new in Data Integration

This section provides information about new features, enhancements, and behavior changes in the Summer 2018 October release of Informatica Intelligent Cloud Services Data Integration.

If you are migrating from Informatica Cloud Spring 2017, see Chapter 3, “Migrating from Informatica Cloud Spring 2017 to Data Integration Summer 2018 October” on page 22 for an overview of Data Integration features and differences between Informatica Cloud and Data Integration.

New features and enhancements

The Summer 2018 October release includes the following new features and enhancements.

Asset management

This release includes the following enhancements for asset management.

Explore page

You can see projects, folders, and assets for all of the services that you use on the Explore page. If you select an asset that was created in a different service than the one you have open, the service opens in a new browser tab.

Asset migration

Asset migration includes the following enhancements:

- You can choose to include or exclude dependent objects for the assets in an export file. Dependent objects are the underlying objects that an asset requires such as a mapping, saved query, or fixed-width file format.
- When you choose to exclude dependent objects, runtime environments and connections export as asset metadata. If the target organization does not have a runtime environment or connection with the same name, you can select a runtime environment or connection for the asset during the import operation.
- You can migrate assets that use assets in reference-only bundles. For example, you can export a mapping task that references a mapping that is contained in a reference-only bundle. Both the source organization and the target organization must include the installed bundle.
- You can migrate an asset that uses a shared Secure Agent or the Cloud Hosted Agent.
Field mapping

You can find an incoming field or target field on the Field Mapping tab.

The Find text box is available for the Target transformation in the Mapping Designer and on the Field Mapping page in the mapping task wizard.

File listener

Informatica Intelligent Cloud Services services can use file listeners to monitor specific folders. The file listener notifies the service when new files arrive at a monitored folder, when files on the folder are updated, and when files are deleted from the folder.

In mass ingestion tasks with the following sources, you can schedule the task to receive notifications from a file listener:

- Local folder
- Advanced FTP
- Advanced SFTP
- Advanced FTPS
- Amazon S3 V2
- Microsoft Azure Blob Storage V3

You define a file listener that listens to files that arrive at the source folder or when the files in the source folder are updated or deleted, based on the configuration of the listener. You then assign the file listener to the task. The file listener listens to the source folder and notifies the task when a file arrived, file updated, or file deleted event occurs. The task then runs and picks up the files from the source folder.

Intelligent Structure Discovery and Structure Parser transformation

Intelligent Structure Discovery and the Structure Parser transformation have the following updates:

- You can select the output data type for a node in Intelligent Structure Discovery. The data type selection applies to output fields for an intelligent structure model that you export to Informatica Developer.
- Intelligent Structure Discovery can use a single JSON message to design an intelligent structure model which can process and output a list of JSON messages separated by newline.
- Intelligent Structure Discovery can stream XML and JSON files and process data for repeating elements. This improves the efficiency of large XML and JSON file processing.
- The intelligent structure identifies XML attributes.
- Intelligent Structure Discovery can process XML files that use different aliases to identify the same namespace as used in the XML file with which a model was created.
- You can add or remove a document ID to the topmost element in the intelligent structure model. You can add or remove a sheet ID to the topmost element in an intelligent structure model for an Excel file.

For more information, see Transformations in the online help.

Mass ingestion

This release includes the following enhancements for mass ingestion.
Sources and targets

This release includes the following additional mass ingestion task sources and targets.

Sources

Transfer files from Microsoft Azure Blob Storage V3 sources.

Targets

Transfer files to the following targets:

- Microsoft Azure Data Lake Store V3
- Google Cloud Storage V2

Run a task on file listener notification

In mass ingestion tasks with the following sources, you can schedule the task to run when it receives notifications from a file listener:

- Local folder
- Advanced FTP
- Advanced SFTP
- Advanced FTPS
- Amazon S3 V2
- Microsoft Azure Blob Storage V3

You first define a file listener that listens to files that arrive at the source folder or when the files in the source folder are updated or deleted, based on the configuration of the listener. You then assign the file listener to the task when you define the scheduling of the task. The file listener listens to the source folder and notifies the task when a file arrived, file updated, or file deleted event occurs. The task then runs and picks up the files from the source folder.

For example: To create a task that runs by a file listener and picks up files from an FTPS folder, you perform the following actions:

1. Create a file listener that listens to the FTPS folder from where the task will pick up files.
2. Create a mass ingestion task with an Advanced FTPS source.
3. When you define the task’s schedule, select the option to run the task by file listener and select the file listener that you created in Step 1.

REST API

The following enhancements were made to the Informatica Intelligent Cloud Services REST API.

Session IDs

You can use the same session ID for requests using version 2 and version 3 resources. You can send requests using REST API version 2 and version 3 resources regardless of whether you used the version 2 or version 3 login resource to start the session.

Asset migration

You can choose to include or exclude dependent objects for all of the assets in an export file. The export resource includes the includeDependencies field for this purpose.
Mass ingestion tasks
You can use the REST API for Data Integration mass ingestion tasks.
The following resources in the mass ingestion REST API support mass ingestion:
• job. Start or stop a mass ingestion task job, get job status information, or get a job log.
• tasks. Get a list of the mass ingestion tasks in your organization.
The auditLog resource in the version 2 REST API includes the MT_Task value for the category field so that logs can include mass ingestion task information.

Transformations
This release includes the following enhancements to transformations.

Java transformation
You can use a Java transformation in a mapping to define simple or moderately complex transformation functionality using the Java programming language. The Java transformation provides a simple, native programming interface to define the transformation functionality.

Rank transformation
You can use a Rank transformation in a mapping to select the top or bottom range of data. For example, you can use a Rank transformation to select the top 10 customers by region. Or, you might identify the three departments with the lowest expenses in salaries and overhead.

Dynamic lookup
You can configure a Lookup transformation to use a dynamic cache. You might want to use a dynamic cache when you think the source data contains duplicate primary keys.

When you configure a Lookup transformation to use a cache, the task creates a cache when data first enters the Lookup transformation. By default, the cache does not change as data moves through the transformation. If you configure the cache to be dynamic, the cache updates so that it remains in sync with the target.

Transformation palette
In the transformation palette in the Mapping Designer, transformations are easier to find. The Source and Target transformations are listed first. Other transformations are listed in alphabetical order below the Source and Target transformations.

For more information about transformations, see Transformations. For more information about the Mapping Designer, see Mappings.

Documentation
The Data Integration help includes the following enhancements:
• You can view the REST API topics in the help.
• You can access help for other Informatica Intelligent Cloud Services services from the Help for Other Services topic.
Changed behavior

The Summer 2018 October release includes the following changed behaviors.

Import and export logs

Effective in the Summer 2018 October release, you monitor imports and exports on the Import/Export Logs and My Import/Export Logs pages. Use these pages to monitor the imports and exports that users initiate from different services within Informatica Intelligent Cloud Services such as Data Integration and Application Integration.

You can monitor imports and exports from the following pages:

**Import/Export Logs page**

Lists all imports and exports started by users in your organization. To open the Import/Export Logs page, open Monitor, and select Import/Export Logs.

**My Import/Export Logs page**

Lists the imports and exports started by the currently logged in user. To open the My Import/Export Logs page, open Data Integration, and select My Import/Export Logs.

The following image shows the My Import/Export Logs page:

Previously, you monitored imports and exports on the All Jobs, Running Jobs, and My Jobs pages.

For more information about monitoring imports and exports, see Monitor.

Connectors

The Summer 2018 October release includes the following new connectors and enhanced connectors.
New connectors

This section describes new connectors for the Summer 2018 October release.

Db2 for z/OS CDC Connector

You can use Db2 for z/OS CDC Connector to connect to a Db2 source on z/OS from Data Integration. Db2 for z/OS CDC Connector retrieves metadata for Db2 source tables and extracts change records that PowerExchange logged for these tables. Add the Db2 CDC sources in mappings, and then run the associated mapping tasks to transmit change records to a Microsoft SQL Server or Oracle target.

Eloqua REST Connector

You can use Eloqua REST Connector to connect to Eloqua from Data Integration. Use Eloqua REST Connector to read data from or write data to Eloqua. You can use an Eloqua REST objects as sources and targets in mapping tasks and mappings.

Google Cloud Storage V2 Connector

You can use Google Cloud Storage V2 Connector to connect to Google Cloud Storage from Data Integration. Use Google Cloud Storage Connector to read data from or write data to Google Cloud Storage. You can create a Google Cloud Storage V2 connection and use the connection mass ingestion tasks, mapping tasks, and mappings. Create a mass ingestion task to transfer files from any source that mass ingestion task supports to a Google Cloud Storage target.

Microsoft SQL Server CDC Connector

You can use Microsoft SQL Server CDC Connector to connect to a SQL Server source from Data Integration. Microsoft SQL Server CDC Connector retrieves metadata for SQL Server source tables and extracts change records for these source tables from the SQL Server distribution database. Add the SQL Server CDC sources in mappings, and then run the associated mapping tasks to transmit change records to a Microsoft SQL Server or Oracle target.

MVP Plant Connector

You can use MVP Plant Connector to connect to MVP Plant from Data Integration. Use MVP Plant connector to securely read data from and write data to MVP Plant. MVP Plant Connector uses the MVP Plant OData REST API to connect to integrate with MVP Plant. You can integrate and transform data from sources, such as flat files, databases, and applications. Use MVP Plant objects as sources or targets in mapping tasks and mappings.

MySQL CDC Connector

You can use MySQL CDC Connector to connect to a MySQL source from Data Integration. MySQL CDC Connector retrieves metadata for MySQL source tables and extracts change records for these source tables from the MySQL binary log. Add the MySQL CDC sources in mappings, and then run the associated mapping tasks to transmit change records to a Microsoft SQL Server or Oracle target.

PostgreSQL Connector

You can use PostgreSQL Connector to connect to PostgreSQL from Data Integration. Use PostgreSQL Connector to read from or write data to PostgreSQL. You can use PostgreSQL objects as sources or targets in mappings, and then run the associated mapping tasks to read from or write to PostgreSQL.

Power BI Connector

You can use Power BI Connector to connect to Power BI from Data Integration. Use Power BI Connector to store the data in Microsoft Azure Blob Storage and create an external data flow on the Power BI Online workspace. You can access the external data flow through Power BI Desktop from where you can view the data and create a report. You can then publish the report on the Power BI Online to share the report.

You can use Power BI objects as targets in mapping tasks and mappings.
Note: Power BI Connector is available for public preview. Public preview functionality is supported but is unwarranted and is not production-ready. Informatica recommends that you use in non-production environments only. Informatica intends to include the preview functionality in an upcoming GA release for production use, but might choose not to in accordance with changing market or technical circumstances. For more information, contact Informatica Global Customer Support.

Enhanced connectors

This section describes enhanced connectors for the Summer 2018 October release.

Amazon Redshift V2 Connector

The Summer 2018 October release includes the following enhancements for Amazon Redshift V2 Connector:

- In addition to the existing regions, you can also read data from or write data to the following regions:
  - China(Ningxia)
  - EU(Paris)
  - AWS GovCloud (US)
- You can run a mass ingestion task to upload files from Amazon S3 to Amazon Redshift directly from the Amazon S3 source directory. You do not need to stage the files in the intermediate staging directory.
- You can create a cached and uncached lookup to an Amazon Redshift object when you configure field mappings in a mapping task.
- You can read data from an Amazon Redshift external schema that references an external database and write the data to the target.
- You can define a custom SQL query for source objects in a mapping. You can enter an SQL statement supported by the Amazon Redshift database.
- You can provide the number of the staging files for each batch in the Number of files per batch advanced target properties. If you do not provide the number of files, the Secure Agent calculates the number of the staging files.
- You can use the TRUNCATECOLUMNS option in the copy command to truncate the data of the VARCHAR and CHAR data types column before you write data to the target.
- You can enter the target table name to override the default target table name in the Target table name advanced target property when you write data to the target.
- You can use AWS KMS-managed customer master key for server-side encryption to encrypt data when you fetch the data from Amazon Redshift.
- You can select None as the source encryption type in the Encryption advanced source property.

Amazon S3 V2 Connector

The Summer 2018 October release includes the following enhancements for Amazon S3 V2 Connector:

- In addition to the existing regions, you can also read data from or write data to the following regions:
  - China(Ningxia)
  - EU(Paris)
  - AWS GovCloud (US)
- You can read or write files of binary formats to Amazon S3.
• You can specify the line number that you want to use as the header when you read data from Amazon S3. You can also read data from a file that does not have a header.

• You can specify the line number from where you want the Secure Agent to read data.

• You can choose to write data to a target that contains a file with or without a header.

• You can configure the pass-through partitioning for Amazon S3 sources and targets. Partitioning optimizes the mapping performance at run time when you read data from or write data to Amazon S3.

• You can merge all the partition files into a single file or maintain separate files based on the number of partitions specified to write data to the Amazon S3 targets.

• You can parameterize an Amazon S3 target file in the following manners:
  - Add special characters in the file name when you create a target.
  - Append time stamps based on Apache STRFTIME function formats in the file name to show when the file is created.
  - Use a parameter file.

• Amazon S3 V2 Connector supports the version 354 of the AWS SDK for Java.

Anaplan V2 Connector

In the Summer 2018 October release, Anaplan V2 Connector is based on Anaplan v2.0 Integration APIs that enable you to use certificates obtained from public Certificate Authorities, for Anaplan authentication.

Google BigQuery Connector

In the Summer 2018 October release, you can create a new target at runtime in Google BigQuery. To create a new target, click the Create New at Runtime property when you select the target object in the Google BigQuery target properties and specify the name of the object.

Google Cloud Spanner Connector

In the Summer 2018 October release, you can create a new target at runtime in Google Cloud Spanner. To create a new target, click the Create New at Runtime property when you select the target object in the Google Cloud Spanner target properties and specify the name and path of the object.

Hive Connector

The Summer 2018 October release includes the following enhancements for Hive Connector:

• You can configure passthrough partitioning for Hive target objects.

• You can use a mapping task to write data to Hive targets that use Sentry authorization.

Litmos Connector

In the Summer 2018 October release, Litmos Connector supports the following fields for the CreateNewBulkimport object:

• Language

• Timezone

• Brand

Microsoft Azure Blob Storage V3 Connector

The Summer 2018 October release includes the following enhancements for Microsoft Azure Blob Storage V3 Connector:

• You can specify the line numbers in the formatting options to read and write flat files with or without headers.
- When you create a Microsoft Azure Blob Storage target, you can parameterize the target file name by adding special characters and by appending time stamps based on Apache STRFTIME function formats. You can use a parameter file to parameterize the Microsoft Azure Blob Storage target.

- You can read and write binary files.

  Note: Reading and writing binary files functionality is available for technical preview. Technical preview functionality is supported but is unwarranted and is not production-ready. Informatica recommends that you use in non-production environments only.

Microsoft Azure Cosmos DB SQL API Connector

In the Summer 2018 October release, if you click **Formatting Options**, the type is selected as **None** by default. To flatten the source or target collection, select the type as **Flat** instead of **None**.

Microsoft Azure Data Lake Store V3 Connector

The Summer 2018 October release includes the following enhancements for Microsoft Azure Data Lake Store V3 Connector:

- You can create and run a mass ingestion task to transfer files from any source that the mass ingestion task supports to a Microsoft Azure Data Lake Store target.

- You can specify the line numbers in the formatting options to read and write flat files with or without headers.

- When you create a Microsoft Azure Data Lake Store target, you can parameterize the target file name by adding special characters and by appending time stamps based on Apache STRFTIME function formats. You can also use a parameter file to parameterize the Microsoft Azure Data Lake Store target.

- You can read and write binary files.

  Note: Reading and writing binary files functionality is available for technical preview. Technical preview functionality is supported but is unwarranted and is not production-ready. Informatica recommends that you use in non-production environments only.

Microsoft Azure SQL Data Warehouse V3 Connector

The Summer 2018 October release includes the following enhancements for Microsoft Azure SQL Data Warehouse V3 Connector:

- You can create and run mappings and mappings tasks. You can use Microsoft Azure SQL Data Warehouse objects as source, target, and lookup in mappings and mappings tasks.

- You can configure key range partitioning when you read data from Microsoft Azure SQL Data Warehouse objects.

- You can create targets at run time.

- You can configure Azure Active Directory (AAD) authentication to connect to Microsoft Azure SQL Data Warehouse.

- You can use the IDENTITY column in mapping tasks.

- You can generate error files in the Microsoft Azure Blob container. The error files contain rejected rows and the cause for the rejected rows.

- You can configure the US government Microsoft Azure end-points.

Microsoft Dynamics 365 for Sales Connector

The Summer 2018 October release includes the following enhancements for Microsoft Dynamics 365 for Sales Connector:

- When you write data to Microsoft Dynamics 365 for Sales in batch mode, even if an error row does not contain a primary key or an alternate key, the Secure Agent writes the error row to the error file.
• You can set the JVM property `-DMSD_SALES_ADAPTER_LOG_LEVEL=ALL` to configure unique request IDs for all the requests so that they can be uniquely identified at the Microsoft Dynamics 365 for Sales server. The request ID is sent as a header with the request when you configure the JVM property.

**Microsoft Dynamics CRM Connector**

The Summer 2018 October release includes the following enhancements for Microsoft Dynamics CRM Connector:

• You can use alternate key in update, upsert, and delete operations for target objects.

• You can specify an alternate key as reference for Lookup, Customer, Owner, and PartyList data types.

• When you write data to a CRM target, you can specify the time taken to get a response from the CRM target. Use the **Row Timeout** advanced property to specify the time taken to get a response from the CRM target. The request times out if a response is not received in the specified amount of time.

• You can set the JVM property `-DINFA_MSD_ADAPTER_LOG_LEVEL=ALL` to configure unique request IDs for all the requests so that they can be uniquely identified at the CRM server. The request ID is sent as a header with the request when you configure the JVM property. You can retrieve request IDs for all the error rows when you do not configure the JVM property.

**MySQL Connector**

In the Summer 2018 October release, you can enable SSL in a MySQL connection to securely connect to the MySQL database through the supported TLS protocols TLSv1, TLSv1.1, or TLSv1.2. To configure SSL, you must download and use the MySQL JDBC and ODBC drivers, version 8.x.

When you enable SSL in the MySQL connection properties, you can configure the SSL properties for the JDBC driver so that the Secure Agent accesses metadata securely from MySQL. You can also configure SSL for the ODBC driver so that the Secure Agent runs the MySQL mappings to securely read from or write data to MySQL.

**Netezza Connector**

In the Summer 2018 October release, when you use the Netezza ODBC connection, and specify the ODBC subtype as Other, and the Driver Manager as DataDirect, you can enable full or source pushdown optimization for Netezza mapping tasks.

For more information about configuring pushdown optimization and the supported functions and transformations for pushdown optimization, see the **Cloud Data Integration Netezza Connector Guide**.

**NetSuite Connector**

In the Summer 2018 October release, you can use NetSuite Connector with the WSDL 2018.1 version.

**OData Connector**

In the Summer 2018 October release, when you read data, you can specify the number of records that you want to fetch per page. Use the **Maximum Page Size** property for a source object in a mapping task to specify the number of records to be fetched per page.

**ODBC Connector**

In the Summer 2018 October release, you can use an ODBC connection to read from or write data to Oracle Database Cloud Service.
Oracle Connector

The Summer 2018 October release includes the following enhancements for Oracle Connector:

- You can use an Oracle connection to replicate data in bulk mode. To enable bulk mode, set the **Enable Target Bulk Load** property to true for an Oracle target object in replication tasks so that the Secure Agent uses the Oracle bulk API to replicate data in bulk mode.
- You can use an Oracle connection to read from or write data to Oracle Autonomous Data Warehouse Cloud.

Salesforce Analytics Connector

In the Summer 2018 October release, you can use version 42.0 of the Salesforce Analytics API to create a Salesforce Analytics connection and access Salesforce Analytics objects.

Salesforce Connector

The Summer 2018 October release includes the following enhancements for Salesforce Connector:

- You can use version 42.0 and 43.0 of the Salesforce API to create a Salesforce connection and access Salesforce objects.
- You can use the QueryAll function in Bulk API for querying archived records. This function is available for Salesforce API version 39.0 and later.

SAP Table Connector

The Summer 2018 October release includes the following enhancements for SAP Table Connector:

- You can use the following data types when you read data from SAP tables:
  - DF16_DEC
  - DF34_DEC
  - DF16_RAW
  - DF34_RAW
  - INT8

  **Note:** To use the new data types supported in the Summer 2018 October release, you must download and use JCo libraries version 3.0.18 or later.

- You can use the following data types when you write data to SAP tables:
  - DF16_DEC
  - DF34_DEC
  - DF16_RAW
  - DF34_RAW
  - INT8
  - RAWSTRING
  - SSTRING
  - STRING

  **Note:** To use the new data types supported in the Summer 2018 October release, you must download and use JCo libraries version 3.0.18 or later.
• When you read data from SAP tables, you can configure a mapping to perform delta extraction. With delta extraction, you can choose to read only the changed data. The SAP table and SAP columns for which you want to perform delta extraction must be part of a change document object in SAP.

You can select one of the following update modes for delta extraction:

**Full**
Use this option when you want to extract all the records from an SAP table instead of reading only the changed data. Default is **Full**.

**Delta initialization without transfer**
Use this option when you do not want to extract any data but want to record the latest change number for subsequent delta extractions.

**Delta initialization with transfer**
Use this option when you want to extract all the records from an SAP table to build an initial set of the data and subsequently run a delta update session to capture the changed data.

**Delta update**
Use this option when you want to read only the data that changed since the last data extraction.

**Delta repeat**
Use this option if you encountered errors in a previous delta update and want to repeat the delta update.

**SAP IDocs and RFCs/BAPI Connector**

The Summer 2018 October release includes the following enhancements for SAP IDocs and RFCs/BAPI Connector:

• When you generate a BAPI/RFC mapplet, you can search for a BAPI/RFC function by entering % as a wildcard character along with the search string. For example, to search for all BAPI/RFC functions whose names start with the term Customer, enter the search string as Customer%.

• You can use the following data types when you use BAPI/RFC mapplets to integrate with SAP:
  - DF16_DEC
  - DF16_RAW
  - DF34_RAW
  - SSTRING
  - STRING

**Note:** To use the new data types supported in the Summer 2018 October release, you must download and use JCo libraries version 3.0.18 or later.

• You can use the following data types when you use SAP BAPI Connector as a business service within a mapping or a mapping task to integrate with SAP:
  - DF16_DEC
  - DF34_DEC
  - DF16_RAW
  - DF34_RAW

**Note:** To use the new data types supported in the Summer 2018 October release, you must download and use JCo libraries version 3.0.18 or later.
You can use the following data types when you read IDocs from SAP:
- RAWSTRING
- STRING

Note: To use the new data types supported in the Summer 2018 October release, you must download and use JCo libraries version 3.0.18 or later.

You can use the following data types when you write IDocs to SAP:
- RAWSTRING
- STRING

Note: To use the new data types supported in the Summer 2018 October release, you must download and use JCo libraries version 3.0.18 or later.

Teradata Connector
In the Summer 2018 October release, you can use the Teradata connection to read data from Teradata tables that have reserved words in table names or column names. To read reserved words, select the Enable Metadata Qualification property in the Teradata connection.

Changed behavior
This section describes the changes in connectors for the Summer 2018 October release.

Amazon Redshift V2 Connector
The Summer 2018 October release includes the following changes in Amazon Redshift V2 Connector:

- The default value of the Treat Source Rows As advanced target property is Insert. Previously, the default value of the Treat Source Rows As advanced target property was None.
- The Cluster Node Type and Number of Nodes in the Cluster fields are removed from the connection properties. To calculate the number of the target staging files for each batch, you can provide a value in the Number of Files per Batch field under the advanced target properties. Previously, the number of the target staging file for each batch was calculated internally based on the values you provided in the Cluster Node Type and Number of Nodes in the Cluster fields under the connection properties.

For the existing mapping, the number of the target staging files for each batch are calculated based on the Cluster Node Type and Number of Nodes in the Cluster fields value you specified earlier.

- The S3 Client Encryption and S3 Sever Side Encryption check boxes are removed from the advanced source properties. You can select SSE-S3 option to select S3 Sever Side Encryption and CSE-SMK option to select S3 Client Encryption in the Encryption advanced source property. Previously, you could select the encryption using the S3 Client Encryption and S3 Sever Side Encryption check boxes in the advanced source properties.

For the existing mapping, if you have selected any one of the check boxes, the selected check box appears when you create a Mapping task.

- The Schema field is removed from the connection properties. You do not have to provide a schema name for the Amazon Redshift V2 connection.

For the existing connection, the Schema field appears in the connection properties.

Hive Connector
In the Summer 2018 October release, you cannot configure a Lookup transformation to represent a Hive object.
Previously, you could configure a Lookup transformation to represent a Hive object in a mapping.

**Market V3 Connector**

In the Summer 2018 October release, the Bypass Proxy checkbox in enabled by default in the Market V3 connection properties so that the Secure Agent connects to Marketo through the Secure Agent Manager. When you clear the Bypass Proxy checkbox, the Secure Agent connects to Marketo V3 using the proxy server settings defined in the `proxy.ini` file.

Previously, Bypass Proxy was set to false by default in the Market V3 connection properties and the Secure Agent connected to Marketo using the proxy server settings defined in the `proxy.ini` file.

**Microsoft Azure Blob Storage V3 Connector**

In the Summer 2018 October release, when you do not select any file format in the formatting options and leave the file format as None, the Secure Agent considers None as the Binary file format.

Previously, the Secure Agent considered None as the Flat file format.

**Microsoft Azure Data Lake Store V3 Connector**

In the Summer 2018 October release, when you do not select any file format in the formatting options and leave the file format as None, the Secure Agent considers None as the Binary file format.

Previously, the Secure Agent considered None as the Flat file format.

**REST V2 Connector**

In the Summer 2018 October release, you must set the LOGLEVEL custom configuration property to DEBUG to capture API request and response messages in the session log.

Previously, the session log captured API request and response messages even when the LOGLEVEL was set to NONE or VERBOSE.

**Salesforce Connector**

The Summer 2018 October release includes the following changes in Salesforce Connector:

- The error messages that you encounter during a Salesforce session might differ because of a change in the Salesforce API.
  For example, when you reconnect to Salesforce the following error message appears:

  ```
  [ERROR] Reattempt the Salesforce request [getBatchInfo] due to the error [Server error returned in unknown format].
  ```

  Previously, for the same scenario the following error message was displayed:

  ```
  [ERROR] Reattempt the Salesforce request [getBatchInfo] due to the error [input stream can not be null].
  ```

- When you enable the Set to Null property for checkbox fields, the NULL values for checkboxes are treated as NULL if the API version of the Salesforce connection is version 32.0 or above.
  Previously, the NULL values for checkboxes were treated as false if the API version of the Salesforce connection was version 32.0 or above.
SAP Table Connector

The Summer 2018 October release includes the following changes in SAP Table Connector:

• SAP Table Connector supports the SAP NetWeaver RFC SDK 7.50 libraries. You must download and install the 7.50 libraries.
  
  **Note:** In the Summer 2018 October release, mappings and tasks will continue to run with the 7.20 libraries. However, Informatica will drop support for the SAP NetWeaver RFC SDK 7.20 libraries in November 2018. Hence, Informatica recommends that you replace the 7.20 libraries with the 7.50 libraries.

• To use the new data types supported in the Summer 2018 October release, you must download and use JCo libraries version 3.0.18 or later.

SAP IDocs and RFCs/BAPI Connector

The Summer 2018 October release includes the following changes in SAP IDocs and RFCs/BAPI Connector:

• SAP IDocs and RFCs/BAPI Connector supports the SAP NetWeaver RFC SDK 7.50 libraries. You must download and install the 7.50 libraries.
  
  **Note:** In the Summer 2018 October release, mappings and tasks will continue to run with the 7.20 libraries. However, Informatica will drop support for the SAP NetWeaver RFC SDK 7.20 libraries in November 2018. Hence, Informatica recommends that you replace the 7.20 libraries with the 7.50 libraries.

• To use the new data types supported in the Summer 2018 October release, you must download and use JCo libraries version 3.0.18 or later.

SAP BW Connector

To use the new data types supported in the Summer 2018 October release, you must download and use JCo libraries version 3.0.18 or later.

SAP BW BEx Query Connector

To use the new data types supported in the Summer 2018 October release, you must download and use JCo libraries version 3.0.18 or later.

Enhancements in previous releases

You can find information on enhancements and changed behavior in previous Data Integration releases on Informatica Network.

**What’s New** guides for releases occurring within the last year of the current release are included in the following community article: [https://network.informatica.com/docs/DOC-17912](https://network.informatica.com/docs/DOC-17912)
This section includes information about any tasks that you might need to perform before or after an upgrade from Data Integration Spring 2018 to Summer 2018 October.

If you are migrating from Informatica Cloud Spring 2017, see Chapter 3, “Migrating from Informatica Cloud Spring 2017 to Data Integration Summer 2018 October” on page 22.

Preparing for the upgrade

The Secure Agent upgrades the first time that you access the Informatica Intelligent Cloud Services Summer 2018 October release.

Files that you added to the following directory are preserved after the upgrade:

\<Secure Agent installation directory>/apps/Data_Integration_Server/ext/deploy_to_main/bin/rdtm-extra

Perform the following steps to ensure that the Secure Agent is ready for the upgrade:

1. Ensure that each Secure Agent machine has sufficient disk space available for upgrade. To calculate the free space required for upgrade, use the following formula:
   
   Minimum required free space = 3 * (size of current Secure Agent installation directory - space used for logs directory) + 1 GB

2. Ensure that no tasks run during the maintenance window. If you use Informatica Intelligent Cloud Services to schedule tasks, you can configure a blackout period for the organization. To configure a blackout period, in Administrator, select Schedules, and then click Blackout Period.

3. Close all applications and open files to avoid file lock issues, for example:
   - Windows Explorer
   - Notepad
   - Windows Command Processor (cmd.exe)
**Microsoft Azure Connectors Pre-Upgrade Tasks**

Before you upgrade Microsoft Azure Blob Storage V3 and Microsoft Azure Data Lake Store V3 connectors from Spring 2018 to Summer 2018, edit the existing mappings that contain `.csv` files in the source or the target objects to update the file format.

1. Open the existing mapping or mapping task that has `.csv` files in the source or the target object.
2. Select the source or target as applicable.
3. Click the **Formatting Option** and select the file format as **Flat**.

**Note:** If there are multiple Microsoft Azure Blob Storage or Microsoft Azure Data Lake Store sources or targets in the mapping, repeat the step #3 for each source and target.

4. Save the mapping.

5. Optional. Verify if **Data Preview** is successful for the edited sources and targets.

**Note:** You can perform this task even after upgrading from Spring 2018 to Summer 2018, but before you re-run the existing mappings.

---

**After you upgrade**

Perform the following tasks after you upgrade from Summer 2018 October.

**Amazon Redshift V2 connector post-upgrade tasks**

After you upgrade, you must open the mass ingestion task and save the task again to avoid failure.
Migrating from Informatica Cloud Spring 2017 to Data Integration Summer 2018 October

This section includes information to help you migrate from Informatica Cloud Spring 2017 to the Informatica Intelligent Cloud Services Data Integration Summer 2018 October release.

This section includes the following information:

- Overview of Data Integration features
- Overview of the new user interface
- Connector changes
- REST API changes
- Quick references that list terminology and user interface differences
- Migration information

Data Integration features

Informatica Cloud is now Data Integration, one of several Informatica Intelligent Cloud Services.

Use Data Integration to create your data integration projects. Data Integration gives you access to design tools that you can use to create and configure your data integration assets and run data integration tasks.

Administrative features are now in the Administrator service. Use this service to perform administrative tasks such as setting up users for Data Integration and installing bundles. Administrator supports all of the Informatica Intelligent Cloud Services. For example, if you subscribe to Data Integration and Application Integration, you perform all of your administrative tasks for Data Integration and Application Integration in Administrator.

Monitoring your organization’s job activity is now in the Monitor service. Like Administrator, Monitor is a supporting service in Informatica Intelligent Cloud Services. Monitor might support other services in addition to Data Integration.

Use the following features to create and manage your data integration projects.
Assets

Assets are data integration objects such as mappings, mapping tasks, taskflows, and components. Components are assets that support other assets, such as saved queries, fixed-width file formats, and business services. You can view and manage all of your data integration assets in a single assets library.

The following assets have new names in Data Integration:

<table>
<thead>
<tr>
<th>Informatica Cloud</th>
<th>Data Integration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Replication task</td>
<td>Replication task</td>
</tr>
<tr>
<td>Data Synchronization task</td>
<td>Synchronization task</td>
</tr>
<tr>
<td>Data Masking task</td>
<td>Masking task</td>
</tr>
<tr>
<td>Task flow</td>
<td>Linear taskflow</td>
</tr>
<tr>
<td>Integration template</td>
<td>Visio template</td>
</tr>
</tbody>
</table>

Projects

You can define projects to group assets based on your implementation needs. Within projects, you can create folders to organize your assets.

Tags

You can assign tags to assets so that you can easily view associated assets on the Explore page.

For example, your company has four regional offices. You want the ability to view tasks by the region that manages them. You create a tag for each region and associate each task with the appropriate tag. Then on the Explore page, you can find all of the tasks that a particular region manages.

You can create tags and assign tags to assets on the Explore page.

Tags replace the custom view feature in Informatica Cloud.

Templates

You can create a mapping, mapping task, or taskflow from a template.

In the New Asset dialog box, you can choose to create a new asset from scratch or use one of the templates available for mappings, mapping tasks, and taskflows. Templates include pre-built logic that you can use for common data integration, data cleansing, and data warehousing tasks. Data Integration offers a variety of data manipulation templates to help jump-start your project.

Mass ingestion

Use mass ingestion tasks to transfer files between on-premises and cloud repositories.

Transfer files from remote FTP, SFTP, and FTPS servers to Amazon S3 and Amazon Redshift. For example, collect logs from customer servers through FTP or SFTP and load the logs to Amazon Redshift.
Advanced Taskflows

Data Integration includes two types of taskflows. The task flow in Informatica Cloud is now referred to as a linear taskflow. The advanced taskflow introduced in Data Integration is referred to as a taskflow.

A taskflow is a new feature that you can use to control the execution sequence of mapping tasks and synchronization tasks.

For example, you can create a taskflow to load data into three different targets, `target_1`, `target_2`, and `target_3` at the same time. Previously, you needed to run a mapping task multiple times.

When you create a taskflow, you can perform the following actions to dynamically orchestrate Data Integration tasks:

- Add multiple steps, including Assignment, Data Task, Parallel Paths, Decision, Jump, and Wait, to create a taskflow as per your business requirement.
- Select from predesigned taskflow templates.
- Use the Expression Editor to create formulas that determine field values and other attributes.
- Override the source data object, source connection, target data object, or target connection input parameters for a mapping task.
- Override in-out parameters for a mapping.
- Configure how you want the taskflow to handle errors and warnings for the Data Integration task.

After you run a taskflow, you can view detailed runtime properties for the taskflow and for the Data Integration task.

Structure Parser Transformation

You can use a Structure Parser transformation in a mapping to transform input data into a user defined structured format based on an intelligent structure model. You can use the Structure Parser transformation to analyze data such as log files, clickstreams, XML or JSON files, Microsoft Word tables, and other formats.

The intelligent structure is created based on a sample of your input data, such as an XML file, PDF form or Microsoft Excel file. The Structure Parser transformation transforms your input data into a user defined structured format based on the intelligent structure model that you associate with the transformation.

Pre- and post-SQL commands for targets

You can run pre- and post-SQL commands against relational targets in a mapping.

Data Integration runs pre-SQL commands against the target before it reads data from the source. It runs post-SQL commands against the target after it writes data to the target.

For more information about pre- and post-SQL commands for relational targets, see the Data Integration help.

Job monitoring

Informatica Intelligent Cloud Services includes new pages for monitoring mappings, tasks, taskflows, imports, and exports.

You can monitor jobs from the following pages:

**All Jobs Page**

Users with the Administrator, Designer, and Monitor roles can view information about all Data Integration jobs in an organization on the All Jobs page. Use the All Jobs page for failure analysis and debugging of
the jobs in your organization. This page displays information about all mapping, task, and taskflow instances that are running or have run.

To access the All Jobs page, open Monitor, and select All Jobs. You can drill-down on any job to view detailed information about the job, view job errors, and download session logs.

Running Jobs Page

Users with the Administrator, Designer, and Monitor roles can view information about running Data Integration jobs on the Running Jobs page. Use the Running Jobs page for live monitoring of the jobs in your organization. This page displays information about all mapping, task, and taskflow instances that are running or have completed within the last five minutes.

To access the Running Jobs page, open Monitor, and select Running Jobs. You can drill-down on any job to view detailed information about the job, view job errors, and download session logs.

Import/Export Logs Page

Users with the Administrator and Designer roles can view information about all imports and exports in an organization on the Import/Export Logs page. This page displays information about all import and export instances that are running or have run.

To access the Import/Export Logs page, open Monitor, and select Import/Export Logs. You can drill-down on any import or export instance to view detailed information and errors. For exports, you can also download the export file.

My Jobs Page

You can view information about your Data Integration jobs on the My Jobs page. Use the My Jobs page to monitor the jobs that you started. This page displays information about the mapping, task, and taskflow instances that you are running or have run.

To access the My Jobs page, open Data Integration, and select My Jobs. You can drill-down on any job to view detailed information about the job, view job errors, and download session logs.

My Import/Export Logs Page

You can view information about your imports and exports on the My Import/Export Logs page. This page displays information about the import and export instances that you are running or have run.

To access the My Import/Export Logs page, open Data Integration, and select My Import/Export Logs. You can drill-down on any import or export instance to view detailed information and errors. For exports, you can also download the export file.

These pages replace the Activity Log and Activity Monitor in previous versions of Informatica Cloud.

Event monitoring

Informatica Data Integration contains the following new logs for monitoring events:

Asset log

Displays events for assets such as when each asset was created, updated, copied, or deleted and the name of the user that modified the asset.

To open the asset log, open Administrator, select Logs, and then select Asset Logs at the top of the page.

Security log

Displays events for Secure Agents and organizations such as when each agent was created or updated, when organization information was updated, and the name of the user that modified the agent or
organization. Also displays authentication events for users such as when each user in the organization logged in to Data Integration.

To open the security log, open Administrator, select Logs, and then select Security Logs at the top of the page.

The asset and security logs replace the audit log in previous versions of Informatica Cloud.

### Bundles

Bundles were enhanced for Data Integration.

When you create a bundle, you can specify which of the following actions is allowed:

- **Copy bundle assets.** Users can copy the bundle assets to a project folder and edit the assets for a particular project. Bundles that allow copy only can be located in any project folder.
- **Reference the bundle assets.** Users select assets from the Add-on Bundles project when they configure a task. Users cannot modify a bundle that only allows reference.
- **Copy or reference the bundle assets.** Users can either copy the bundle assets to a project folder or reference the bundle assets in the Add-on Bundles project.

Install and manage public and unlisted bundles in Administrator. Create and use bundles in Data Integration.

### Custom user roles

You can create custom roles to define the privileges that users have for product features and asset types. For example, you can create a custom role with privileges to view and run tasks and taskflows and also monitor jobs.

After you create a role, assign it to an individual user or to a group of users. The user or group inherits all of the privileges associated with the role.

### Asset migration

You can migrate assets from one organization to another organization.

To migrate assets, you export the assets from a source organization and then import the assets into a target organization. You can choose whether to include the assets' dependent objects such as saved queries or mappings. During the import operation, you can choose which assets to import, change the connection or runtime environment, and resolve any name conflicts.

You can also migrate projects or folders. During the import operation, you can import the entire project or folder, or select individual assets to import.

### New user interface

The Informatica Cloud user interface was redesigned for Informatica Intelligent Cloud Services. Most of the features that were available in prior releases of Informatica Cloud work in a similar way in Data Integration but all of the menus and navigation options have changed.

Improvements to the user interface include the following components:

- **My Services page**
• Home page
• Informatica Intelligent Cloud Services header
• Navigation bar
• Explore page
• New Asset dialog box

My Services page

The My Services page first appears when you log in to Informatica Intelligent Cloud Services. Use the My Services page to switch from one service to another.

The content on the My Services page is based on the services that your organization is licensed to use and your user permissions. To see other services, click Show all services. The All Services page includes your services and services that you are not licensed to use. Some of these services might be available on a trial basis.

The following image shows the My Services page with the Data Integration service, Administrator service, and Monitor service:

You can select one of the services to be the default service when you log in to Informatica Intelligent Cloud Services in the future. To do so, hover the mouse over the top left corner of the service label and click Set as Default, as shown in the following image:

To see a summary about each service on the My Services page, hover the cursor over the Information icon in the lower right corner of the service label.
Home page

When you log in to Data Integration, the **Home** page appears.

The following image shows the Data Integration **Home** page:

![Home page screenshot](image)

The **Home** page displays the following panels:

- **Overview.** A summary of runtime environments, connections, projects, folders, and assets in the organization.
- **Runtime Environments.** The status of runtime environments that are available to you.
- **My Jobs.** The jobs that you ran in the last 24 hours.
- **Most Recent Project.** The last project that you created or the project that contains the most recently modified asset.
- **Recent Assets.** The assets that you most recently modified.

You can get to the last project or asset that you viewed using links on the **Home** page.

Informatica Intelligent Cloud Services header

The header always appears at the top of the Informatica Intelligent Cloud Services window regardless of the service you have open or the current page in view.

The following image shows the Data Integration header:

![Header screenshot](image)

The header includes the name of the service that you have open and the Organization menu, Notifications list, User menu, and Help menu.

**Service name**

Displays the name of the open service and links to the **My Services** page. Use the **My Services** page to switch to a different service.

**Organization menu**

Displays the name and ID of the organization that you are logged in to. If you are an administrator in a parent organization or a user in a parent organization that has privileges to view sub-organizations, you can also switch among organizations through this menu.
Notifications list

Lists messages about recent jobs.

User menu

Displays your user name and has a link to your user profile. You can also log out from the User menu.

Help menu

Includes links to the following resources:

<table>
<thead>
<tr>
<th>Resource</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Online Help</td>
<td>Displays the help for the service that is currently open.</td>
</tr>
<tr>
<td>Contact Support</td>
<td>Use to submit a support request directly to Informatica Global Customer Support.</td>
</tr>
<tr>
<td>Videos</td>
<td>Provides access to hundreds of videos in HD quality. These self-help videos will help you learn more about the Cloud product and troubleshoot issues effectively.</td>
</tr>
<tr>
<td>Informatica Network</td>
<td>Provides access to Data Integration Community articles and the Informatica Knowledge Base.</td>
</tr>
<tr>
<td>Cloud Academy</td>
<td>Provides access to instructor-led courses. Use the Cloud Academy to get certified as a specialist.</td>
</tr>
<tr>
<td>Marketplace</td>
<td>Includes the latest connectors, templates, and services to help you extend your Data Integration capabilities. You can submit an idea to the marketplace. You can also get more information on connectors available for the Data Integration product and download a trial.</td>
</tr>
<tr>
<td>Walkthroughs</td>
<td>Provides examples of how to perform typical data integration tasks. You choose the data integration task that you are interested in, and then Data Integration walks you through the process of creating the task.</td>
</tr>
</tbody>
</table>
Navigation bar

The navigation bar always appears in the Informatica Intelligent Cloud Services window regardless of the current page in view. However, the options that are available in the navigation bar vary depending on which service is open.

The following image shows the navigation bar when Data Integration is open:

In addition to the Data Integration options, the image shows that two assets are open. Unlike Informatica Cloud, you can have multiple assets open at the same time. When you have multiple assets open at the same time, you can see them listed in the navigation bar so you can easily move from one asset to another. If a listed asset has unsaved changes, you will see a blue dot next to the name.

When Data Integration is open, you can access the following pages:

- New. Create new data integration assets such as mappings, tasks, and taskflows. You can create assets from scratch or use templates as a head start.
- Home. Return to the Home page.
- Explore. Create and manage Data Integration projects and assets.
- Bundles. Create and manage bundles that contain assets that you can share with others in your organization or make available to all Data Integration organizations.
- My Jobs. Review run-time details about jobs that you initiated.
- My Import/Export Logs. Review details about imports and exports that you initiated.

When Administrator is open, you can access the following options:

- Organization. Configure organization details such as address information and authentication options.
- SAML Setup. Configure SAML single sign-on settings.
• Licenses. Manage licenses.
• Users. Set up and manage users for your organization.
• User Groups. Set up and manage user groups.
• User Roles. Set up and manage user roles and privileges.
• Runtime Environment. Set up and manage runtime environments and Secure Agent groups, and download Secure Agents.
• Connections. Set up and manage connections for the organization.
• Add-On Connections. Set up and manage connections for non-native connectors.
• Schedules. Set up schedules to run integration tasks.
• Add-On Bundles. Install and manage bundles.
• Logs. View asset and security logs.

When Monitor is open, you can review the following information for your organization:
• Data integration jobs, which are instances of mappings, tasks, and taskflows
• Import and export logs

**Explore page**

Use the **Explore** page to view and work on your projects and assets.

The **Explore** page uses a convenient and intuitive tree structure to organize your assets.

You can view the **Explore** page by projects, asset types, or tags.

You can see projects and assets for all of the services in Informatica Intelligent Cloud Services that you use. If you open an asset for a service that you do not have open, the service opens in a new browser tab.

You can sort the **Explore** page by name, date, asset type, or description.

You can filter the **Explore** page. For example, you can explore by asset types, and then select an asset type so that only the assets of the selected type appear on the **Explore** page.

You can also find projects or assets by name. The following image shows the **Explore** page after "My Project" was entered in the Find field:
You can perform actions from the **Explore** page such as copying a mapping or running a synchronization task. Navigate to an asset, project, or folder and then click **Actions** to select an action to perform, as shown in the following image:

![Explore page example](image)

To perform an action on several objects at once, use the check boxes on the **Explore** page to select each object, and then use the Selection menu to choose the action, as shown in the following image:

![Selection menu example](image)
New Asset dialog box

Use the New Asset dialog box to create assets.

To create an asset, click the asset type in the left panel, and then select the asset you want to use. The following image shows assets available for the task asset type:

You can select the asset that you want to create or for some asset types, you can select a template. The following image shows the cleansing templates that are available for the task asset type:
Connectors

This section lists the new and enhanced connectors from the Informatica Cloud Spring 2017 release to the Informatica Intelligent Cloud Services Summer 2018 October release.

Use the Data Integration service from Informatica Intelligent Cloud Services to create connections and data integration tasks.

New connectors

This section describes new connections for the Summer 2018 October release.

Adobe Cloud Platform Connector

You can use Adobe Cloud Platform Connector to connect to Adobe Cloud Platform from Data Integration. Use Adobe Cloud Platform Connector to securely read data from and write data to Adobe Cloud Platform.

You can integrate and transform data from sources, such as flat files, databases, and applications into a standard Experience Data Model (XDM) schema in Adobe Cloud Platform.

Amazon Redshift V2 Connector

You can use Amazon Redshift V2 Connector to connect to Amazon Redshift from Data Integration. You can use an Amazon Redshift V2 object as a source or target in mappings and mapping tasks. You can use an Amazon Redshift V2 object as a target in mass ingestion tasks.

Amazon S3 V2 Connector

You can use Amazon S3 V2 Connector to connect to Amazon S3 from Data Integration. You can use an Amazon S3 V2 object as a source or target in mass ingestion tasks, mappings, and mapping tasks.

Advanced FTP Connector

You can use an Advanced FTP Connector to connect to Data Integration. You can use an Advanced FTP Connector as a source in mass ingestion tasks.

Advanced FTPS Connector

You can use an Advanced FTPS Connector to connect to Data Integration. You can use an Advanced FTPS Connector as a source in mass ingestion tasks.

Advanced SFTP Connector

You can use an Advanced SFTP Connector to connect to Data Integration. You can use an Advanced SFTP Connector as a source in mass ingestion tasks.

Coupa V2 Connector

You can use Coupa V2 Connector to connect to Coupa from Data Integration. Use Coupa V2 Connector to read data from and write data to Coupa. You can use a Coupa operation as a source or as a target in mapping tasks.

Db2 for z/OS CDC Connector

You can use Db2 for z/OS CDC Connector to connect to a Db2 source on z/OS from Data Integration. Db2 for z/OS CDC Connector retrieves metadata for Db2 source tables and extracts change records that PowerExchange logged for these tables. Add the Db2 CDC sources in mappings, and then run the associated mapping tasks to transmit change records to a Microsoft SQL Server or Oracle target.
Eloqua REST Connector
You can use Eloqua REST Connector to connect to Eloqua from Data Integration. Use Eloqua REST Connector to read data from or write data to Eloqua. You can use an Eloqua REST objects as sources and targets in mapping tasks and mappings.

Google Analytics Connector
You can use Google Analytics Connector to connect to Google Analytics from Data Integration. Use Google Analytics Connector to read data from Google Analytics reports. You can use a Google Analytics object as a source in mapping tasks.

Google Cloud Spanner Connector
You can use Google Cloud Spanner Connector to connect to Google Cloud Spanner from Data Integration. You can use a Google Cloud Spanner object as a source or a target in mapping tasks.

Google Cloud Storage V2 Connector
You can use Google Cloud Storage V2 Connector to connect to Google Cloud Storage from Data Integration. Use Google Cloud Storage Connector to read data from or write data to Google Cloud Storage. You can create a Google Cloud Storage V2 connection and use the connection mass ingestion tasks, mapping tasks, and mappings. Create a mass ingestion task to transfer files from any source that mass ingestion task supports to a Google Cloud Storage target.

Hive Connector
You can use Hive Connector to connect to Hive from Data Integration. You can use a Hive object as a source and lookup in mappings and mapping tasks.

Microsoft Azure Blob Storage V3 Connector
You can use Microsoft Azure Blob Storage V3 Connector to connect to Microsoft Azure Blob Storage from Data Integration. You can read and write delimited text files and the industry-standard file formats, such as Avro, JSON, and Parquet files. Use Microsoft Azure Blob Storage V3 objects as sources and targets in mass ingestion tasks and mapping tasks.

Microsoft Azure Cosmos DB SQL API Connector
You can use Microsoft Azure Cosmos DB SQL API Connector to connect to Microsoft Azure Cosmos DB from Data Integration. You can use Cosmos DB SQL API to read JSON documents from and write JSON documents to a collection in the Cosmos DB database. You can use Microsoft Azure Cosmos DB SQL API objects as sources and targets in mappings and mapping tasks.

Microsoft Azure Data Lake Store V3 Connector
You can use Microsoft Azure Data Lake Store V3 Connector to connect to Microsoft Azure Data Lake Store from Data Integration. You can read and write .csv files and the industry-standard file formats, such as Avro, JSON, and Parquet files. Use Microsoft Azure Data Lake Store V3 objects as sources and targets in synchronization tasks, mappings, and mapping tasks.

Microsoft Azure SQL Data Warehouse V3 Connector
You can use Microsoft Azure SQL Data Warehouse V3 Connector to connect to Microsoft Azure SQL Data Warehouse from Data Integration. You can use Microsoft Azure SQL Data Warehouse V3 objects as sources and targets in mappings and mapping tasks. When you write data to Microsoft Azure SQL Data Warehouse, the connector stages data files to Microsoft Azure Blob Storage and uses T-SQL commands with Microsoft Polybase to extract or load relational and non-relational data in parallel.

You can also use Microsoft Azure SQL Data Warehouse V3 objects as targets in mass ingestion tasks.

Microsoft Dynamics 365 for Sales Connector
You can use Microsoft Dynamics 365 for Sales Connector to connect to Microsoft Dynamics 365 for Sales from Data Integration. You can use Microsoft Dynamics 365 for Sales objects as sources, targets, and lookups in synchronization tasks, mappings, and mapping tasks.

**Microsoft SQL Server CDC Connector**

You can use Microsoft SQL Server CDC Connector to connect to a SQL Server source from Data Integration. Microsoft SQL Server CDC Connector retrieves metadata for SQL Server source tables and extracts change records for these source tables from the SQL Server distribution database. Add the SQL Server CDC sources in mappings, and then run the associated mapping tasks to transmit change records to a Microsoft SQL Server or Oracle target.

**MVP Plant Connector**

You can use MVP Plant Connector to connect to MVP Plant from Data Integration. Use MVP Plant connector to securely read data from and write data to MVP Plant. MVP Plant Connector uses the MVP Plant OData REST API to connect to integrate with MVP Plant. You can integrate and transform data from sources, such as flat files, databases, and applications. Use MVP Plant objects as sources or targets in mapping tasks and mappings.

**MySQL CDC Connector**

You can use MySQL CDC Connector to connect to a MySQL source from Data Integration. MySQL CDC Connector retrieves metadata for MySQL source tables and extracts change records for these source tables from the MySQL binary log. Add the MySQL CDC sources in mappings, and then run the associated mapping tasks to transmit change records to a Microsoft SQL Server or Oracle target.

**Netezza Connector**

You can use Netezza Connector to connect to Netezza from Data Integration. Use Netezza Connector to read from or write to Netezza in bulk mode using Netezza ODBC drivers. You can use Netezza as a source or target in mapping tasks.

**NetSuite V2 Connector**

You can use NetSuite V2 Connector to securely read data from and write data to NetSuite. You can use NetSuite V2 objects as sources and targets in synchronization tasks, mappings, and mapping tasks.

**Oracle CDC**

You can use Oracle CDC Connector to connect to a PowerExchange Express CDC for Oracle environment from Data Integration. Oracle CDC Connector retrieves metadata for Oracle source tables and extracts the change records that PowerExchange captured from these source tables. Add the Oracle CDC sources in mappings, and then run the associated mapping tasks to transmit change records to a Microsoft SQL Server or Oracle target.

**PostgreSQL Connector**

You can use PostgreSQL Connector to connect to PostgreSQL from Data Integration. Use PostgreSQL Connector to read or write data to PostgreSQL. You can use PostgreSQL objects as sources or targets in mapping tasks and mappings.

**Power BI Connector**

You can use Power BI Connector to connect to Power BI from Data Integration. Use Power BI Connector to store the data in Microsoft Azure Blob Storage and create an external data flow on the Power BI Online workspace. You can access the external data flow through Power BI Desktop from where you can view the data and create a report. You can then publish the report on the Power BI Online to share the report.

You can use Power BI objects as targets in mapping tasks and mappings.
Note: Power BI Connector is available for public preview. Public preview functionality is supported but is unwarranted and is not production-ready. Informatica recommends that you use in non-production environments only. Informatica intends to include the preview functionality in an upcoming GA release for production use, but might choose not to in accordance with changing market or technical circumstances. For more information, contact Informatica Global Customer Support.

Qlik Connector
You can use Qlik Connector to connect to Qlik from Data Integration. You can use a Qlik object as a target in synchronization tasks, mappings, and mapping tasks.

Tableau V3 Connector
You can use Tableau V3 Connector to connect to Tableau from Data Integration. Use Tableau V3 Connector to write data to Tableau. You can use Tableau V3 objects as targets in mapping tasks and mappings.

You can integrate and transform data from sources, such as flat files, databases, and applications, to generate a .hyper output file and publish the .hyper file to Tableau.

Zuora REST V2 Connector
You can use Zuora REST V2 Connector to connect to Zuora from Data Integration. You can use Zuora object as sources and targets in mappings and mapping tasks.

Enhanced connectors
This section describes enhanced connections for the Summer 2018 October release.

Amazon Redshift Connector
You can configure cross-schema pushdown optimization for a mapping task that uses a Amazon Redshift ODBC connection to read or write data to Amazon Redshift objects of different schemas in the same database. Select the Enable cross-schema pushdown optimization property in the advanced session properties of the mapping task.

Anaplan V2 Connector
The Summer 2018 October release includes the following enhancements for Anaplan V2 Connector:

• You can use Anaplan V2 Connector to import API based metadata from Anaplan and use API based field mapping instead of File based field mapping in a synchronization task. When you import API based metadata, Anaplan V2 Connector reads the column header information from Anaplan APIs directly without referring to files in Anaplan.

To use API based field mappings in synchronization tasks, select the Use API Based Metadata checkbox when you create a Anaplan V2 connection in Data Integration.

• Anaplan V2 connector is based on Anaplan v2.0 Integration APIs that enable you to use certificates obtained from public Certificate Authorities, for Anaplan authentication.

Ariba Connector
In the Summer 2018 October release, when you write data to Ariba, you can use the following new Ariba objects as targets:

• Import Assets
• Import Internal Order Codes
• Import Company Code Internal Order Mapping
• Import User Data
• Import User to Group Mapping Data
• Import Remittance Location Data
• Import Currency Conversion Rates
• Import Supplier Data
• Import Supplier Location Data
• Export Purchase Order to ERP
• Export Receipts
• Export Receipt Status
• Export Payment Requests
• Export Financial Extract

**BigMachines Connector**
The Summer 2018 October release includes the following enhancements for BigMachines Connector:

• You can configure the Secure Agent to connect to Cloud Data Integration through the proxy server.
• You can configure the **Batch Size** connection property to perform bulk upsert operation on Data Tables object.

**CallidusCloud Badgeville Connector**
In the Summer 2018 October release, when you use the Activity object as a target in a mapping task, you can use the **createdAt** field to create an Activity object in CallidusCloud Badgeville based on a timestamp that you specify.

**Cvent Connector**
The Summer 2018 October release includes the following enhancements for Cvent Connector:

• You can use data filters to fetch data records that have changed over a specific time period for a Cvent object. The synchronization task fetches the data that has changed for the period that you specify in the **StartDate** and **EndDate** filter fields.
• You can use **StartDate** and **EndDate** filter fields in basic and advanced data filters.

**File Processor Connector**
In the Summer 2018 October release, you can create a File Processor connection to connect to an IBM z/OS FTP server. You can also use FTP_GET for the IBM z/OS FTP server.

**Google BigQuery Connector**
• You can specify **pre SQL** and **post SQL** advanced properties for Google BigQuery sources and targets. When you create a task in Cloud Data Integration, you can specify SQL commands in the advanced properties for a source and target.
• When you configure a Google BigQuery connection to use simple mode, you can preview data for large datasets.

**Google Drive Connector**
You can configure the **MaxRowFailToAbort** advanced property for a Google Drive target to ensure that Secure Agent aborts a task immediately when a specified number of rows are not written to the target.
Litmos Connector

In the Summer 2018 October release, Litmos connector supports the following fields for the CreateNewBulkimport object:

- Language
- Timezone
- Brand

Marketo V3 Connector

The Summer 2018 October release includes the following enhancements for Marketo V3 Connector:

- You can configure HTTP proxy server authentication settings for the Secure Agent when you connect to Marketo. Use the ByPass Proxy property in the Marketo V3 connection properties to connect to Marketo using the proxy server settings defined in the proxy.ini file or through the Secure Agent Manager. The Bypass Proxy checkbox is enabled by default in the Marketo V3 connection properties so that the Secure Agent connects to Marketo through the Secure Agent Manager. When you clear the Bypass Proxy checkbox, the Secure Agent connects to Marketo V3 using the proxy server settings defined in the proxy.ini file.

- When you configure a task to read records from Marketo, you can use the Bulk Extract Lead/Lead Activity property in the advanced source properties to extract lead and lead activities in bulk from a specified start and end date.

Microsoft Azure Data Lake Store V2 Connector

The Summer 2018 October release includes the following enhancements for Microsoft Azure Data Lake Store V2 Connector:

- You can generate or skip header rows while writing data to a Microsoft Azure Data Lake Store object.
- You can read and write .csv files compressed in the gzip format.

Microsoft Azure SQL Data Warehouse V2 Connector

The Summer 2018 October release includes the following enhancements for Microsoft Azure SQL Data Warehouse V2 Connector:

- You can use the IDENTITY column in synchronization and mapping tasks.
- You can enable full pushdown optimization for Microsoft Azure SQL Data Warehouse sources and targets. Specify the Azure DW subtype in the ODBC connection properties to enable pushdown optimization when you read data from or write data to Microsoft Azure SQL Data Warehouse database. You can use cross-schema pushdown optimization in a mapping to read or write data based on the different schemas within the same database.
- You can configure a task that includes pre-SQL or post-SQL commands to continue or to stop the read or write operation when the Data Integration service encounters errors. For example, the errors encountered while transforming data.

Microsoft Sharepoint Online Connector

The Summer 2018 October release includes the following enhancements for Microsoft Sharepoint Online Connector:

- You can read or write data to the custom fields in the list object.

Microsoft SQL Server Connector

The Summer 2018 October release includes the following enhancements for Microsoft SQL Server Connector:

- You can use a Microsoft SQL Server connection to connect to Microsoft SQL Server database 2017.
• You can configure Azure Active Directory authentication mode to authenticate and access Microsoft SQL
  Server from Data Integration.

• You can configure cross-schema pushdown optimization for a mapping task that uses a Microsoft SQL
  Server connection to read or write data to Microsoft SQL Server objects associated with different
  schemas within the same database. Select the Enable cross-schema pushdown optimization property in
  the advanced session properties of the mapping task.

• You can define pre-SQL and post-SQL commands to run against the target database before and after
  writing data to the target.

MySQL Connector

In the Summer 2018 October release, you can enable SSL in a MySQL connection to securely connect to the
MySQL database through the supported TLS protocols TLSv1, TLSv1.1, or TLSv1.2. To configure SSL, you
must download and use the MySQL JDBC and ODBC drivers, version 8.x.

When you enable SSL in the MySQL connection properties, you can configure the SSL properties for the JDBC
driver so that the Secure Agent accesses metadata securely from MySQL. You can also configure SSL for the
ODBC driver so that the Secure Agent runs the MySQL mappings to securely read from or write data to
MySQL.

NetSuite Connector

In the Summer 2018 October release, you can use a NetSuite connection that uses WSDL 18.1 version.

ODBC Connector

The Summer 2018 October release includes the following enhancements for ODBC Connector:

• You can read or write Unicode data.

• When you use an ODBC connection to write to DB2 and you enable Truncate Target Table option for the
target object, the Secure Agent runs the truncate command instead of the delete command, which
enhances the performance of the write operation. If the truncate command fails, the Secure Agent runs
the delete command.

• You can use an ODBC connection to read from or write data to Oracle Database Cloud Service.

Oracle Connector

The Summer 2018 October release includes the following enhancements for ODBC Connector:

• You can configure SSL authentication in the Oracle connection properties to establish one-way or two-way
secure communication with the Oracle server.

  Note: You cannot configure SSL when you use the Hosted Agent.

• You can use an Oracle connection to connect to Oracle 12C Release 2.

• You can configure cross-schema pushdown optimization for a mapping task that uses an Oracle
  connection to read or write data to Oracle objects associated with different schemas within the same
  database. Select the Enable cross-schema pushdown optimization property in the advanced session
  properties of the mapping task.

• You can define pre-SQL and post-SQL commands to run against the target database before and after
  writing data to the Oracle target.

• You can use an Oracle connection to replicate data in bulk mode. To enable bulk mode, set the Enable
  Target Bulk Load property to true for an Oracle target object in replication tasks so that the Secure Agent
  uses the Oracle bulk API to replicate data in bulk mode.

• You can use an Oracle connection to read from or write data to Oracle Autonomous Data Warehouse
  Cloud.
REST V2 Connector
You can use the namespace attribute in the request message for the midstream and target transformations. You can use the namespace attribute in the response message for the source, midstream, and target transformations.

Salesforce Analytics Connector
In the Summer 2018 October release, for Salesforce Analytics Connector, you can use version 42.0 of the Salesforce API to create a Salesforce Analytics connection and access Salesforce Analytics objects.

Salesforce Connector
The Summer 2018 October release includes the following enhancements for Salesforce Connector:

• You can use version 42.0 and 43.0 of the Salesforce API to create a Salesforce connection and access Salesforce objects.
• You can use the QueryAll function in Bulk API for querying archived records. This function is available for Salesforce API version 39.0 and later.

SAP Table Reader Connector
You can configure key range partitioning when you read data from SAP table sources.

You can configure a partition key for fields of the following data types:

• ACCP
• DATS
• INT1
• INT2
• INT4
• NUMC
• TIMS

Snowflake Connector
The Summer 2018 October release includes the following enhancements for Snowflake Connector:

• You can configure cross-schema pushdown optimization for a mapping task that uses a Snowflake ODBC connection to read or write data to Snowflake objects associated with different schemas within the same database. Select the **Enable cross-schema pushdown optimization** property in the advanced session properties of the mapping task.
• You can use custom SQL queries to read data from Snowflake. In the Snowflake source properties, you can select Query as the source type and specify an SQL query in the **Source** field.
• With Azure support for Snowflake Connector, you can read data from and write data to Snowflake that is enabled for staging data in Azure or Amazon.
• You can configure Okta SSO authentication by specifying the authentication details in the JDBC URL parameters of the Snowflake connection.
• You can configure an SQL override in the Snowflake advanced source properties of a mapping task when you want to override the default SQL query used to extract data from the Snowflake source.
• You can override the database and schema name used to create temporary tables in Snowflake. You can add the database and schema name that you want to override in the JDBC URL parameters of the Snowflake connection. You can enter the database and schema name in the following format: `ProcessConnDB=<DB name>&ProcessConnSchema=<schema_name>`
You can configure a task to read from or write data to Snowflake table names that contain uppercase, lowercase, and mixed case alphabets, including numbers and special characters.

Snowflake Connector uses 3.6.4 version of the JDBC driver. Previously, Snowflake Connector used JDBC driver version 3.5.0.

**Teradata Connector**

The Summer 2018 October release includes the following enhancements for Teradata Connector:

- When you use a Teradata connection to run a mapping to read data from Teradata, you can configure an SQL override query. You can provide the SQL override statement in the source properties of a Teradata task to override the default query when you read data from a Teradata source object. You can enter any SQL statement supported by the Teradata database to read data.

- When you use a Teradata connection to run a mapping to write data to Teradata, you can configure partitioning for the Teradata target. You do not have to specify the number of partitions for the target separately. The Secure Agent considers the same number of partitions for the target as the number defined for the source partitioning.

- You can use the Teradata connection to read data from Teradata tables that have reserved words in table names or column names. To read reserved words, select the **Enable Metadata Qualification** property in the Teradata connection.

**Zendesk Connector**

You can use Zendesk Connector to create custom fields Tickets object. You can read data from and insert data to the custom attributes that are present in the Tickets object. To read and insert the values of custom fields in Tickets object, you must configure the `schema.ini` file.

**REST API**

There are now two versions of the Informatica Intelligent Cloud Services REST API.

REST API version 1 is no longer supported. For Informatica Intelligent Cloud Services, use REST API version 2 and version 3.

The *Informatica Intelligent Cloud Services REST API Reference* explains the REST API versions in detail and how to use each of them to interact with Informatica Intelligent Cloud Services through REST API requests.

You can find the latest REST API information in the Data Integration online help. A PDF of the latest REST API Reference is also available in the following article on Informatica Network:

[https://network.informatica.com/docs/DOC-17563](https://network.informatica.com/docs/DOC-17563)

Note the following high level changes:

**REST API Version 2**

Version 2 includes the same resources as in Informatica Cloud Spring 2017 except where noted below.

Note the following changes to REST API version 2:

**Login URL**

- The login URL is has changed to [https://dm-us.informaticacloud.com/ma/api/v2/user/login](https://dm-us.informaticacloud.com/ma/api/v2/user/login).

**License Resource**

- The license resource is now a REST API version 3 resource.
REST API Version 3

Version 3 includes REST API resources that support the new features available in Data Integration such as import and export.

Note the following differences from version 2:

**Format**

REST API version 3 supports JSON calls. It does not support XML calls.

**Login URL**

To log in to REST API version 3, use the following login URL:

```
```

**Base URL**

When you log in to REST API version 3, the response includes the baseApiUrl attribute instead of the serverUrl attribute that REST API version 2 returns. Use the baseApiUrl attribute in the base URL for all version 3 resources except for the login resource.

The base URL is also different from version 2. Use the following base URL for version 3:

```
<baseApiUrl>/public/core/v3/<API name>
```

**Session ID**

Use INFA-SESSION-ID in the header for REST API version 3 calls instead of icSessionId, which is used in version 2 calls.

---

**Online Help**

After migration from the Informatica Cloud Spring 2017 release to the Informatica Intelligent Cloud Services Summer 2018 release, you might notice changes in the online help.

Informatica Intelligent Cloud Services is comprised of different services. Information in the online help is specific to the service that you have open. For example, if you open help from the Administrator service, you see information about the Administrator service features but not information about the Data Integration service or Monitor service features.

To access the help for a service that you do not have open, see Help for Other Services, which provides links to the help for each of the Informatica Intelligent Cloud Services.

The following help systems provide different information based on the service:

**Administrator help**

Provides information about Administrator service features. Includes information about organizations and sub-organizations, SAML setup, license management, users, user groups, user roles, runtime environment and Secure Agent configuration, connection configuration, schedule creation, bundle installation and management, swagger file generation, and asset and security logs.

You can access the help through the Administrator service, or you can access it using the following link:

```
```

**Data Integration help**

Provides information about Data Integration service features. Includes information about asset management and organization, connection configuration, mappings, tasks, taskflows, job monitoring, data integration connectors, and the Informatica Intelligent Cloud Services REST API.
You can access the help through the Data Integration service, or you can access it using the following link:


Monitor help

Provides information about Monitor service features. Includes information about monitoring jobs, imports, and exports for your organization.

You can access the help through the Monitor service, or you can access it using the following link:


Quick references

This section lists the differences between Informatica Cloud and Informatica Intelligent Cloud Services in tables that you can use as a quick reference.

New and changed terms

Some terms used in Informatica Cloud are different in Data Integration and some terms have been added.

New terms

The following terms are new:

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mass ingestion</td>
<td>Transfers large files between on-premise and cloud repositories.</td>
</tr>
<tr>
<td>Taskflow</td>
<td>Advanced taskflow that runs multiple tasks sequentially or in parallel based on decision criteria that you specify.</td>
</tr>
<tr>
<td>Project</td>
<td>Top-level container to store assets such as mappings, tasks, and taskflows.</td>
</tr>
<tr>
<td>Asset</td>
<td>Data integration object such as a mapping, task, or saved query.</td>
</tr>
<tr>
<td>Component</td>
<td>Asset that is used within other assets such as within mappings and tasks.</td>
</tr>
</tbody>
</table>

Changed Terms

The following terms have changed:

<table>
<thead>
<tr>
<th>Informatica Cloud</th>
<th>Data Integration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Object migration</td>
<td>Asset migration, import and export</td>
</tr>
<tr>
<td>Integration template</td>
<td>Visio template</td>
</tr>
</tbody>
</table>
Informatica Cloud and Informatica Intelligent Cloud Services task locations

The following tables show you where to perform common tasks in Informatica Intelligent Cloud Services as compared to Informatica Cloud.

Task Wizard Tasks

The following table shows where the tasks in the Informatica Cloud Task Wizard menu are located in Informatica Intelligent Cloud Services.

<table>
<thead>
<tr>
<th>Functionality</th>
<th>Informatica Cloud Location</th>
<th>Informatica Intelligent Cloud Services Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>View/edit existing assets.</td>
<td>Task Wizards &gt; (task type) &gt; (task)</td>
<td>Data Integration &gt; Explore</td>
</tr>
<tr>
<td>Create a Data Synchronization task</td>
<td>Task Wizards &gt; Data Synchronization</td>
<td>Data Integration &gt; New &gt; Tasks &gt; Synchronization Task</td>
</tr>
<tr>
<td>Create a Data Replication task</td>
<td>Task Wizards &gt; Data Replication</td>
<td>Data Integration &gt; New &gt; Tasks &gt; Replication Task</td>
</tr>
<tr>
<td>Create a Mapping Configuration task</td>
<td>Task Wizards &gt; Mapping Configuration</td>
<td>Data Integration &gt; New &gt; Tasks &gt; Mapping Task</td>
</tr>
<tr>
<td>Create a Contact Validation task.</td>
<td>Task Wizards &gt; Contact Validation</td>
<td>Not applicable. Use an Address Doctor based web service for cleansing addresses.</td>
</tr>
<tr>
<td>Create a Data Assessment task.</td>
<td>Task Wizards &gt; Data Assessment</td>
<td>Not applicable. Use DQ Radar for assessing data quality.</td>
</tr>
<tr>
<td>Create a Data Masking task.</td>
<td>Task Wizards &gt; Data Masking</td>
<td>Data Integration &gt; New &gt; Tasks &gt; Masking Task</td>
</tr>
<tr>
<td>Create a PowerCenter task.</td>
<td>Task Wizards &gt; PowerCenter</td>
<td>Data Integration &gt; New &gt; Tasks &gt; PowerCenter Task</td>
</tr>
<tr>
<td>Organize existing assets into projects and folders.</td>
<td>Not applicable.</td>
<td>Data Integration &gt; Explore &gt; Projects</td>
</tr>
</tbody>
</table>
### Design Tasks

The following table shows where the tasks in the Informatica Cloud Design menu are located in Informatica Intelligent Cloud Services.

<table>
<thead>
<tr>
<th>Functionality</th>
<th>Informatica Cloud Location</th>
<th>Informatica Intelligent Cloud Services Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create mappings.</td>
<td>Design &gt; Mappings</td>
<td>Data Integration &gt; New &gt; Mappings &gt; Mapping</td>
</tr>
<tr>
<td>Create bundles.</td>
<td>Design &gt; Bundles</td>
<td>Data Integration &gt; Bundles</td>
</tr>
<tr>
<td>Upload an integration (Visio) template.</td>
<td>Design &gt; Integration Templates</td>
<td>Data Integration &gt; New &gt; Components &gt; Visio Templates</td>
</tr>
<tr>
<td>Create simple taskflows to run multiple data integration tasks in a specified order.</td>
<td>Design &gt; Task Flows</td>
<td>Data Integration &gt; New &gt; Taskflows &gt; Linear Taskflow</td>
</tr>
<tr>
<td>Create advanced taskflows that can control the execution sequence of multiple data integration tasks.</td>
<td>Not applicable.</td>
<td>Data Integration &gt; New &gt; Taskflows &gt; Taskflow</td>
</tr>
</tbody>
</table>

### Monitoring Tasks

The following table shows where the tasks related to the Informatica Cloud activity log and activity monitor are located in Informatica Intelligent Cloud Services.

<table>
<thead>
<tr>
<th>Functionality</th>
<th>Informatica Cloud Location</th>
<th>Informatica Intelligent Cloud Services Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>View all completed and running Data Integration jobs.</td>
<td>Monitor &gt; Activity Log</td>
<td>Monitor &gt; All Jobs</td>
</tr>
<tr>
<td>View all running Data Integration jobs.</td>
<td>Monitor &gt; Activity Monitor</td>
<td>Monitor &gt; Running Jobs</td>
</tr>
<tr>
<td>View all import and export instances.</td>
<td>Not applicable.</td>
<td>Monitor &gt; Import/Export Logs</td>
</tr>
<tr>
<td>View your completed and running jobs.</td>
<td>Not applicable.</td>
<td>Data Integration &gt; My Jobs</td>
</tr>
<tr>
<td>View your import and export instances.</td>
<td>Not applicable.</td>
<td>Data Integration &gt; My Import/Export Logs</td>
</tr>
</tbody>
</table>
## Configuration Tasks

The following table shows where the tasks in the Informatica Cloud Configure menu are located in Informatica Intelligent Cloud Services.

<table>
<thead>
<tr>
<th>Functionality</th>
<th>Informatica Cloud Location</th>
<th>Informatica Intelligent Cloud Services Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configure runtime environments and download Secure Agents</td>
<td>Configure &gt; Runtime Environments</td>
<td>Administrator &gt; Runtime Environments</td>
</tr>
<tr>
<td>Configure connections.</td>
<td>Configure &gt; Connections</td>
<td>Administrator &gt; Connections</td>
</tr>
<tr>
<td>Configure schedules and blackout periods.</td>
<td>Configure &gt; Schedules</td>
<td>Administrator &gt; Schedules</td>
</tr>
<tr>
<td>Import mapplets from PowerCenter</td>
<td>Configure &gt; Mapplets &gt; New PowerCenter Mapplet</td>
<td>Data Integration &gt; New &gt; Components &gt; Mapplet - PC Import</td>
</tr>
<tr>
<td>Create SAP BAPI/RFC mapplets.</td>
<td>Configure &gt; New SAP Mapplet</td>
<td>Data Integration &gt; New &gt; Components &gt; Mapplet - BAPI/IDOC</td>
</tr>
<tr>
<td>Create/upload hierarchical schemas.</td>
<td>Configure &gt; Hierarchical Schema</td>
<td>Data Integration &gt; New &gt; Components &gt; Hierarchical Schema</td>
</tr>
<tr>
<td>Create saved queries.</td>
<td>Configure &gt; Saved Queries</td>
<td>Data Integration &gt; New &gt; Components &gt; Saved Query</td>
</tr>
<tr>
<td>Create business services.</td>
<td>Configure &gt; Business Services</td>
<td>Data Integration &gt; New &gt; Components &gt; Business Services</td>
</tr>
<tr>
<td>Configure fixed width file formats.</td>
<td>Configure &gt; Fixed Width File Formats</td>
<td>Data Integration &gt; New &gt; Components &gt; Fixed Width File Format</td>
</tr>
<tr>
<td>Create an intelligent structure model.</td>
<td>Configure &gt; Intelligent Structures</td>
<td>Data Integration &gt; New &gt; Components &gt; Intelligent Structure</td>
</tr>
<tr>
<td>Install add-on bundles.</td>
<td>Configure &gt; Add-On Bundles</td>
<td>Administrator &gt; Add-On Bundles</td>
</tr>
<tr>
<td>Install add-on connectors.</td>
<td>Configure &gt; Add-On Connectors</td>
<td>Administrator &gt; Add-On Connectors</td>
</tr>
<tr>
<td>Create swagger files.</td>
<td>Configure &gt; Swagger Files</td>
<td>Administrator &gt; Swagger Files</td>
</tr>
</tbody>
</table>
### Administrative Tasks

The following table shows where the tasks in the Informatica Cloud Administer menu are located in Informatica Intelligent Cloud Services.

<table>
<thead>
<tr>
<th>Functionality</th>
<th>Informatica Cloud Location</th>
<th>Informatica Intelligent Cloud Services Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configure organization and authentication settings.</td>
<td>Administrator &gt; Organization</td>
<td>Administrator &gt; Organization &gt; Settings</td>
</tr>
<tr>
<td>Create or link sub-organizations.</td>
<td>Administrator &gt; Sub-organizations</td>
<td>Administrator &gt; Organization &gt; Sub-O rganizations</td>
</tr>
<tr>
<td>View license and metering details.</td>
<td>Administrator &gt; Licenses</td>
<td>Administrator &gt; Licenses</td>
</tr>
<tr>
<td>Configure SAML single sign-on.</td>
<td>Administrator &gt; SAML SSO</td>
<td>Administrator &gt; SAML Setup</td>
</tr>
<tr>
<td>Configure users, user groups, and user roles.</td>
<td>Administrator &gt; Users</td>
<td>Administrator &gt; Users Administrator &gt; User Groups Administrator &gt; User Roles</td>
</tr>
<tr>
<td>View log events for users.</td>
<td>Administrator &gt; Audit Log</td>
<td>Administrator &gt; Logs &gt; Asset Logs Administrator &gt; Logs &gt; Security Logs</td>
</tr>
<tr>
<td>Use Discovery IQ.</td>
<td>Administrator &gt; Discovery IQ</td>
<td>Discovery IQ on My Services page.</td>
</tr>
<tr>
<td>Migrate assets.</td>
<td>Administrator &gt; Migrate Objects</td>
<td>Data Integration &gt; Explore. To export asset from source organization, select asset, then Actions &gt; Export. To import asset into target organization, Explore &gt; Explore by project, then click Import.</td>
</tr>
</tbody>
</table>

### Miscellaneous Tasks

The following table shows where miscellaneous tasks such as creating views and configuring object-level permissions are located in Informatica Intelligent Cloud Services.

<table>
<thead>
<tr>
<th>Functionality</th>
<th>Informatica Cloud Location</th>
<th>Informatica Intelligent Cloud Services Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create custom views.</td>
<td>Select asset, then View &gt; New View</td>
<td>Not applicable. Use tags to label similar assets. Data Integration &gt; Explore &gt; Tags</td>
</tr>
<tr>
<td>Configure object-level permissions.</td>
<td>Select asset, then Edit &gt; Change Permissions</td>
<td>Select asset, then Actions &gt; Permissions or Change Permission icon.</td>
</tr>
</tbody>
</table>
Preparing to migrate

Before your organization is migrated from Informatica Cloud Spring 2017 to Informatica Intelligent Cloud Services, you need to prepare your organization.

To ensure that your organization is ready for the migration, perform the following tasks:

**Administrative tasks**

Perform the following administrative tasks:

- Prepare a checklist of important tasks and items that you want to validate after the migration.
- Be sure to complete your sandbox testing. If you notice any issues, report them to Informatica Global Customer Support.
- If you use the REST API and have enabled two-factor authentication for your organization, add the following IP addresses to the list of Trusted IP Ranges in Informatica Cloud before the migration:
  - APP and APP3 PODs: 206.80.52.0/24, 206.80.61.0/24, 209.34.91.0/24, 209.34.80.0/24
  - APP2 POD: 206.80.52.0/24, 168.128.27.61/32, 168.128.27.47/32, 168.128.29.12/32, 168.128.29.92/32
- Complete any task that Informatica Global Customer Support has recommended for your organization.
- Ensure that no tasks are scheduled to run during the migration period.
- If you scheduled a blackout period that occurs after the migration, note the blackout date and time so that you can re-create it in Informatica Intelligent Cloud Services.

**Secure Agent tasks**

Perform the following tasks related to the Secure Agent:

- As a best practice, back up your Secure Agent directories.
  Informatica recommends that you back up your Secure Agent directories so that you can restore them easily in the unlikely event that you require a migration rollback.
- Ensure that your Secure Agents are up and running.
- Ensure that each Secure Agent machine has sufficient disk space available for upgrade. To calculate the free space required for upgrade, use the following formula:

  Minimum required free space = 3 * (size of current Secure Agent installation directory - space used for logs directory) + 1 GB

- If you have Secure Agent files that you want to preserve after the migration, copy the files to the following directory:

  `<Secure Agent installation directory>/apps/Data_Integration_Server/ext/deploy_to_main/bin/rdtm-extra`

- Immediately before the migration, close all applications and open files on each Secure Agent machine to avoid file lock issues, for example:
  - Windows Explorer
  - Notepad
  - Windows Command Processor (`cmd.exe`)
Data integration tasks

Perform the following tasks related to data integration:

- If your organization uses Contact Validation tasks, convert them to Address Doctor-based web services. Informatica Intelligent Cloud Services does not include Contact Validation tasks.
- If your organization uses Data Assessment tasks, convert them to Data Quality Radar. Informatica Intelligent Cloud Services does not include Data Assessment tasks.
- If your organization has task flows that include Contact Validation or Data Assessment tasks, update the task flows to remove these tasks or replace them with other logic. Task flows that contain Contact Validation or Data Assessment tasks will not be migrated.

For more information about pre-migration tasks, see the “Informatica Intelligent Cloud Services Migration FAQ” community article on Informatica Network:


After you migrate

After migration from Informatica Cloud Spring 2017 to Informatica Intelligent Cloud Services, you might need to perform certain tasks to ensure that users can access your organization and run tasks without interruption.

The following sections describe the post-migration tasks that you might need to perform.

For more information about post-migration tasks, see the “Informatica Intelligent Cloud Services Migration FAQ” community article on Informatica Network:


Administrator post-migration tasks

If you use SAML single sign-on or have configured a schedule blackout period, you need to perform some administrative tasks after the migration.

You might need to perform the following tasks:

Download the SAML service provider metadata.

The single sign-on URL is changed between Informatica Cloud and Informatica Intelligent Cloud Services.

If you use SAML single sign-on, you must download the Informatica Intelligent Cloud Services service provider metadata after the migration and deliver the metadata and the Informatica Intelligent Cloud Services single sign-on URL for your organization to your SAML identity provider administrator. You can download the service provider metadata from the SAML Setup page in Administrator.

Additionally, ensure that you update the Informatica Intelligent Cloud Services single sign-on URL and app in your identity provider application.

Re-create the schedule blackout period.

If you configured a schedule blackout period in Informatica Cloud, re-create the blackout period on the Schedules page in Administrator.

For more information about SAML single sign-on and schedules, see the Administrator help.
Data Integration post-migration tasks

If you set custom permissions on objects in Informatica Cloud, you need to reconfigure the permissions after the migration.

If you set custom permissions on objects in Informatica Cloud to grant additional permissions to user groups, reconfigure the asset permissions in Data Integration.

For more information about asset permissions, see the Data Integration help.

Secure Agent post-migration tasks

The list of IP addresses for the Secure Agent has changed between Informatica Cloud and Informatica Intelligent Cloud Services. If you use a firewall, you might need to update the list of approved Informatica Intelligent Cloud Services URLs or IP addresses in your firewall program.

For the list of approved URLs and IP addresses, see the following KB article:

https://kb.informatica.com/faq/7/Pages/20/524982.aspx

REST API post-migration tasks

If you use scripts that call the REST API, you must replace the Informatica Cloud domain URLs with Informatica Intelligent Cloud Services domain URLs before January 1, 2019.

After the migration, login API requests will automatically be redirected to Informatica Intelligent Cloud Services. Informatica Intelligent Cloud Services will redirect requests through December 31, 2018. As you did previously, you must construct subsequent API requests based on the <serverUrl> and <icSessionId> that was received in the login response. Ensure that you have not hard-coded the base URL for any other API endpoints other than the login API endpoint.

After December 31, to use the APIs in Informatica Intelligent Cloud Services, you must replace the Informatica Cloud domain URLs with the Informatica Intelligent Cloud Services URLs.

For example, if your POD is located in North America, the new Informatica Intelligent Cloud Services domain URL is https://dm-us.informaticacloud.com, and the V2 login Informatica Intelligent Cloud Services API endpoint to use is https://dm-us.informaticacloud.com/ma/api/v2/user/login.

For the list of Informatica Intelligent Cloud Services domain URLs, see the following KB article:

https://kb.informatica.com/faq/7/Pages/20/524982.aspx

Salesforce post-migration tasks

If you use Salesforce outbound message links, you must update the links in Salesforce so that they point to the new Informatica Intelligent Cloud Services URL.

Note: Informatica will redirect the links for four weeks after your organization is migrated from Informatica Cloud to Informatica Intelligent Cloud Services. Therefore, you must update the links within four weeks.

runAJobCli post-migration tasks

If you use the runAJobCli utility, you must update the restenv.properties file to use the new Informatica Intelligent Cloud Services URL: baseUrl=https://dm-us.informaticacloud.com/ma

Also, if you have scripts that call the utility using the task name (-n) option, and you want them to run on tasks that are not in the Default folder, update the scripts. The task name (-n) option works for tasks in the Default folder. The task ID (-i) option works for tasks in any folder.
Microsoft SQL Server Connector post-migration tasks

Before you can use the Azure Active Directory Password authentication mode, you must contact Informatica Global Customer Support.

MySQL Connector post-migration tasks

After you migrate, you must download and install the MySQL JDBC and ODBC drivers on your Windows or Linux system to use MySQL Connector.

For more information about installing the MySQL JDBC and ODBC drivers, see the MySQL Connector Guide.

REST V2 Connector post-migration tasks

After you migrate from Informatica Cloud Spring 2017 to Informatica Intelligent Cloud Services Summer 2018 October, and you create a new mapping, the request message editor shows the sample request in the JSON format for the JSON data.

Previously, the sample request for the JSON data was shown in the xml format. This changed behavior occurs because in Summer 2018 October, REST V2 Connector uses the JSON parser shipped with Data Integration.

If you update the business service, source, or target either by changing the connection or by changing the operation in the mappings created in the previous release, the Informatica JSON parser gets enabled. The new JSON parser has the following impact:

- The associated schema changes and all the required fields mapping is removed. Map all the required fields again for the REST V2 objects in source, midstream, and target transformations.
- The swagger specification file will need modifications in certain scenarios. For example, if Request or Response is a named object or Request and Response has array elements when the array element is not defined in the swagger specification file.

When the new JSON parser is enabled, the connector generates a new schema. If the schema, the xsd file saved in the temp directory, related to the operation does not have a write permission, the updated mapping might throw a null pointer exception during metadata fetch.

If you do not change the mappings created in the previous release, the mappings continue to use the old parsing technique and run successfully.

Salesforce Connector post-migration tasks

If a Data Synchronization task created in Informatica Cloud Spring 2017 release contains a custom assignment rule, after you migrate, the value of custom assignment rule is not displayed in the Advanced Salesforce Options. You must edit the task and apply a valid custom assignment rule.

If you use an OAuth connection type to connect to Salesforce, after you migrate, the OAuth connection properties are not retained. You must manually configure the Service Endpoint and the OAuth Access Token connection properties.

Salesforce Marketing Cloud Connector post-migration tasks

After you migrate, you must perform the following tasks for Salesforce Marketing Cloud Connector:

1. Retrieve the Client ID and the Client Secret for an existing package in the Salesforce Marketing Cloud account.
2. Assign Administrator role to the API user which is the minimum permission required to access the APIs.
3. Disable the Salesforce Marketing Cloud account password expiry date.
4. Enable read and write scopes for the installed packages in the Salesforce Marketing Cloud account which is the minimum permission required to access the installed packages.

**Zendesk Connector post-migration tasks**

After you migrate, you must perform the following tasks for Zendesk Connector:

1. Generate the schema.ini file.
2. Place the schema.ini file in the following directory:
   `<Secure Agent installation directory>\apps\Data_Integration_Server\ext\deploy_to_main\bin\rdtm-extra\Zendesk\schema.ini`
3. Create the following directory:
   `<Secure Agent installation directory>\downloads\<latest connector package>\package\tpl`
4. Create the tpl.properties file in the following directory:
   `<Secure Agent installation directory>\downloads\<latest connector package>\package\tpl`
5. Open the tpl.properties file and add the following value:
   ```
   path=-rdtm-extra/Zendesk
   ```

**Post-migration tasks for custom configuration files**

If the connector includes customised configurations in Informatica Cloud Spring 2017, you must copy the configuration files to the Informatica Intelligent Cloud Services Spring 2018 version.

The following table lists the configuration files in connectors that you can back up from the Informatica Cloud Spring 2017 version:

<table>
<thead>
<tr>
<th>Connector</th>
<th>Configuration file</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avature</td>
<td>customFields.ini</td>
</tr>
<tr>
<td>BigMachines</td>
<td>WSDL, Jar</td>
</tr>
<tr>
<td>Birst</td>
<td>birstconfiguration.ini</td>
</tr>
<tr>
<td>Box API</td>
<td>config.properties</td>
</tr>
<tr>
<td>Coupa</td>
<td>coupa.ini, read.xsd</td>
</tr>
<tr>
<td>Dropbox</td>
<td>config.ini</td>
</tr>
<tr>
<td>Google API</td>
<td>config.properties</td>
</tr>
<tr>
<td>Hadoop</td>
<td>setHadoopConnectorClassPath.sh</td>
</tr>
<tr>
<td>JDBC</td>
<td>jdbc.ini</td>
</tr>
<tr>
<td>Jira</td>
<td>jirafields.ini, config.ini</td>
</tr>
<tr>
<td>JSON Target</td>
<td>config.ini</td>
</tr>
</tbody>
</table>
Perform the following tasks for custom configuration files when you migrate from Informatica Cloud Spring 2017 release to the Informatica Intelligent Cloud Services Spring 2018 release:

<table>
<thead>
<tr>
<th>Connector</th>
<th>Configuration file</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marketo</td>
<td>activityattributes.csv</td>
</tr>
<tr>
<td>Microsoft TFS</td>
<td>fields.ini</td>
</tr>
<tr>
<td>OpenAir</td>
<td>OpenAirCodes.properties</td>
</tr>
<tr>
<td>Quickbooks V2</td>
<td>connectionparameters.ini</td>
</tr>
<tr>
<td>Workday</td>
<td>fields.ini</td>
</tr>
<tr>
<td>Xactly</td>
<td>xactly-client.jar</td>
</tr>
<tr>
<td>XML Source</td>
<td>config.ini</td>
</tr>
</tbody>
</table>

1. Copy the configuration file from the following directory in Informatica Cloud Spring 2017: `<Secure Agent installation directory>\downloads\<latest connector zip package>\package\plugins\<Plugin ID>`

2. After the migration, paste the configuration file to the following directory in Informatica Intelligent Cloud Services: `<Secure Agent installation directory>\downloads\<latest connector zip package>\package\plugins\<Plugin ID>`

3. Restart the Secure Agent.

**Post-migration asset changes**

After migration from the Informatica Cloud Spring 2017 release to the Informatica Intelligent Cloud Services Summer 2018 release, you might notice changes in asset locations or behavior.

The following assets have post-migration changes:

**Asset location**

All mappings, tasks, and task flows are moved to the Default project in Data Integration. To view assets in the Default project, open Data Integration, click *Explore*, and open the Default project.

**Contact Validation tasks**

Contact Validation tasks are not available in Data Integration

**Data Assessment tasks**

Data Assessment tasks are not available in Data Integration.

**Task flows**

Task flows in Informatica Cloud are converted to linear taskflows in Data Integration.

**Views**

Public views in Informatica Cloud are replaced with tags in Data Integration. All assets in a public view are labeled with a tag in Data Integration that has the same name as the view. For example, if you created custom view called SalesObjects that contained 30 mappings in Informatica Cloud, all 30 mappings are labeled with the tag SalesObjects in Data Integration.
If the same view name was used for different asset types, the tag names have different suffixes in Data Integration. For example, if you created the SalesObjects view for mappings and also for mapping tasks, mappings might be labeled with the tag SalesObjects and mapping tasks with the tag SalesObjects_1.

Private views, views that are associated with connectors, and activity log views are not replaced with tags.

For more information about the Explore page, linear taskflows, and tags, see the Data Integration help.

Post-migration administrative functionality changes

The Informatica Intelligent Cloud Services Summer 2018 release includes changes to administrative functionality such as SAML settings, schedules, user groups, and user names.

The following administrative functionality has post-migration changes:

**SAML single sign-on**

SAML single sign-on settings are not preserved in Informatica Intelligent Cloud Services. Reconfigure SAML settings in Administrator after the migration.

**Schedule blackout period**

Schedule blackout periods are not preserved in Informatica Intelligent Cloud Services. If you configured a blackout period in Informatica Cloud, reconfigure it in Administrator after the migration.

**User groups**

Informatica Cloud user groups are converted to user roles in Administrator. All users in a group are assigned a custom user role with the same name as the Informatica Cloud user group.

**User names**

Usually, Informatica Intelligent Cloud Services user names are the same as Informatica Cloud user names.

However, at the time of migration, if there is an Informatica Intelligent Cloud Services user account with the same name as a user account being migrated, then the Informatica Intelligent Cloud Services user name for the migrated user will be appended with extra characters to form a unique name. For example, if your Informatica Cloud user name is “infaclouduser” and there is already an Informatica Intelligent Cloud Services user account with the name “infaclouduser,” the Informatica Intelligent Cloud Services user name of the migrated user might be set to “infaclouduser.IICS.” If any user name is changed between Informatica Cloud and Informatica Intelligent Cloud Services, Informatica notifies the affected user through email.

If the affected user uses SAML or Salesforce single sign-on, the Informatica Intelligent Cloud Services user name that appears in the user profile is appended with a string such as “.SAML” or “.Salesforce” to ensure that the user name is unique. The affected user will still be able to log in to Informatica Intelligent Cloud Services using single sign-on.

For more information about SAML single sign-on, schedules, and users, see the Administrator help.
INDEX

A
administrative functionality
  post-migration differences 55
Administrator
  navigation bar 30
asset migration
  enhancements 5
assets
  creating 33
  description 23
  name changes 23
  New Asset dialog box 33
  post-migration differences 54
  templates 33

B
bundles 26

C
components
  creating 33
  creating components 33
  mappings 33
  taskflows 33
  tasks 33

D
Data Integration
  asset migration 26
  assets 23
  bundles 26
  Home page 28
  navigation bar 30
  projects 23
  taskflows 24
  templates 23
  user interface 26

E
Explore page 31
  export and import enhancements 5
  exports
    changes 9

H
header 28
help
  online help changes 43
Home page 28

I
import and export enhancements 5
imports
  changes 9
Informatica Intelligent Cloud Services
  Explore page 31
  header 28
  services replacing Informatica Cloud 22
  UI compared to Informatica Cloud 45

J
Java transformation
  new feature 8

M
Mapping Designer
  changes 8
  mappings
    creating 33
  mass ingestion 23
  migrating assets 26
  migration
    post-migration tasks 50
    pre-migration tasks 49
    preparing for 49
  Monitor
    navigation bar 30
    monitoring
      imports and exports 9
    My Services page 27

N
navigation bar 30

P
performing tasks
  compared to Informatica Cloud 45
permissions
  post-migration tasks 51
post-migration tasks
  Administrator service 50
  Data Integration service 51
  REST API 51
  runAJobCli utility 51
  Salesforce outbound message links 51
  Secure Agent 51
post-SQL commands
targets 24
pre-SQL commands
targets 24
projects 23

R
Rank transformation
  new feature 8
REST API
  changes from Informatica Cloud 42
    enhancements 7
    post-migration tasks 51
runAJobCli utility
  post-migration tasks 51

S
Salesforce outbound message links
  post-migration tasks 51
SAML single sign-on
  post-migration tasks 50
schedules
  post-migration tasks 50
Secure Agent
  post-migration tasks 51
Secure Agent (continued)
  upgrade preparation 20
    services
      Informatica Intelligent Cloud Services 22
    switching services 27

T
tags 23
targets
  pre- and post-SQL 24
taskflows
  creating 33
tasks
  creating 33
templates 23
terminology
  new and changed 44
transformations
  enhancements 8
    Java transformation 8
    palette changes 8
    Rank transformation 8

U
upgrade preparation
  Secure Agent preparation 20
user interface
  Informatica Intelligent Cloud Services 26

V
views 23