



Informatica® Informatica Cloud Services  
April 2024

# What's New

Informatica Informatica Cloud Services What's New  
April 2024

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# Preface

Read *What's New* to learn about new features, enhancements, and behavior changes in Informatica Intelligent Cloud Services™ for the April 2024 release. You can also learn about upgrade steps that you might need to perform.

## Informatica Resources

Informatica provides you with a range of product resources through the Informatica Network and other online portals. Use the resources to get the most from your Informatica products and solutions and to learn from other Informatica users and subject matter experts.

### Informatica Documentation

Use the Informatica Documentation Portal to explore an extensive library of documentation for current and recent product releases. To explore the Documentation Portal, visit <https://docs.informatica.com>.

If you have questions, comments, or ideas about the product documentation, contact the Informatica Documentation team at [infa\\_documentation@informatica.com](mailto:infa_documentation@informatica.com).

### Informatica Intelligent Cloud Services web site

You can access the Informatica Intelligent Cloud Services web site at <http://www.informatica.com/cloud>. This site contains information about Informatica Cloud integration services.

### Informatica Intelligent Cloud Services Communities

Use the Informatica Intelligent Cloud Services Community to discuss and resolve technical issues. You can also find technical tips, documentation updates, and answers to frequently asked questions.

Access the Informatica Intelligent Cloud Services Community at:

<https://network.informatica.com/community/informatica-network/products/cloud-integration>

Developers can learn more and share tips at the Cloud Developer community:

<https://network.informatica.com/community/informatica-network/products/cloud-integration/cloud-developers>

### Informatica Intelligent Cloud Services Marketplace

Visit the Informatica Marketplace to try and buy Data Integration Connectors, templates, and mapplets:

<https://marketplace.informatica.com/>

## Data Integration connector documentation

You can access documentation for Data Integration Connectors at the Documentation Portal. To explore the Documentation Portal, visit <https://docs.informatica.com>.

## Informatica Knowledge Base

Use the Informatica Knowledge Base to find product resources such as how-to articles, best practices, video tutorials, and answers to frequently asked questions.

To search the Knowledge Base, visit <https://search.informatica.com>. If you have questions, comments, or ideas about the Knowledge Base, contact the Informatica Knowledge Base team at [KB\\_Feedback@informatica.com](mailto:KB_Feedback@informatica.com).

## Informatica Intelligent Cloud Services Trust Center

The Informatica Intelligent Cloud Services Trust Center provides information about Informatica security policies and real-time system availability.

You can access the trust center at <https://www.informatica.com/trust-center.html>.

Subscribe to the Informatica Intelligent Cloud Services Trust Center to receive upgrade, maintenance, and incident notifications. The [Informatica Intelligent Cloud Services Status](#) page displays the production status of all the Informatica cloud products. All maintenance updates are posted to this page, and during an outage, it will have the most current information. To ensure you are notified of updates and outages, you can subscribe to receive updates for a single component or all Informatica Intelligent Cloud Services components. Subscribing to all components is the best way to be certain you never miss an update.

To subscribe, on the [Informatica Intelligent Cloud Services Status](#) page, click **SUBSCRIBE TO UPDATES**. You can choose to receive notifications sent as emails, SMS text messages, webhooks, RSS feeds, or any combination of the four.

## Informatica Global Customer Support

You can contact a Global Support Center through the Informatica Network or by telephone.

To find online support resources on the Informatica Network, click **Contact Support** in the Informatica Intelligent Cloud Services Help menu to go to the **Cloud Support** page. The **Cloud Support** page includes system status information and community discussions. Log in to Informatica Network and click **Need Help** to find additional resources and to contact Informatica Global Customer Support through email.

The telephone numbers for Informatica Global Customer Support are available from the Informatica web site at <https://www.informatica.com/services-and-training/support-services/contact-us.html>.

# CHAPTER 1

## What's New in Informatica Intelligent Cloud Services

Informatica Intelligent Cloud Services<sup>SM</sup> includes new features, enhancements, and changed behaviors.

The following services include updates in the April 2024 release:

- Administrator
- API Center
- Application Integration
- B2B Gateway
- Business 360 Console
- Cloud Data Integration for PowerCenter (CDI-PC)
- Data Governance and Catalog
- Data Integration
- Data Profiling
- Data Quality
- Data Validation
- Mass Ingestion
- MDM - Customer 360 SaaS
- MDM - Product 360 SaaS
- MDM - Reference 360
- MDM - Supplier 360 SaaS
- Multidomain MDM SaaS
- Monitor

**Note:** Informatica intends to include the functionality mentioned in this guide in an upcoming release, but might in its sole discretion choose not to do so in accordance with changing market or technical circumstances.



# New UI experience

The user interface for the following services has a fresh look and feel with a lighter palette, updated icons, and new fonts:

- Administrator
- Data Integration
- Data Profiling
- Data Quality
- MDM - Customer 360 SaaS
- MDM - Product 360 SaaS
- MDM - Supplier 360 SaaS
- Multidomain MDM SaaS
- Monitor

## CHAPTER 2

# Administrator

Informatica Intelligent Cloud Services<sup>SM</sup> Administrator includes the following updates.

## Important notices

Informatica has modified the levels of customer support that it offers for one or more Informatica Intelligent Cloud Services platform features in the current release. The following notices identify the features and the current support levels.

### Deprecation initiated

Effective in the April 2024 release, the following functionality enters deprecation:

- Support for the RedHat 7.x operating system (64 bit) for the Secure Agent

While you can use the functionality in the current release, Informatica intends to drop support for the functionality on December 31, 2024.

For more information about this change, see the Informatica Knowledge Base article "[End of Life Notification for Red Hat Enterprise Linux 7 Secure Agent Support in IDMC.](#)" For more information about supported operating systems for the Secure Agent, see the [PAM for Informatica Intelligent Cloud Services \(IICS\)](#).

## New features and enhancements

The April 2024 release of Informatica Intelligent Cloud Services<sup>SM</sup> Administrator includes the following new features and enhancements.

### New UI experience

The Administrator user interface has a new look and feel that presents the features you'll use in greater clarity.

### Advanced clusters

Advanced clusters include the following new features and enhancements:

- The **Advanced Clusters** page includes performance and visual enhancements.
- On the **Advanced Clusters** page, sorting has been improved and you can filter the advanced configurations.

- When you create an advanced configuration, the **Validate** button is enabled for Google Cloud clusters and self-service clusters. It validates whether the configuration contains the necessary information and is in the correct format.

**Note:** The validation process doesn't validate whether cloud resources have been configured correctly, such as whether cloud roles have all the necessary permissions.

For more information, see *Advanced Clusters*.

## Flat file connections

When you create a flat file connection, you can use the date format `MM/dd/yyyy HH24:mm:ss`.

## Source control

This release includes the following enhancements to source control:

### Project-level repositories

You can enable the option to configure Git repositories at the project level. Using different repository branches for your projects can enable parallel development and collaboration across teams in the organization.

When users don't specify a project-level repository, the global repository that you set up in Administrator is used.

### Cloud-hosted Bitbucket repositories

You can use a cloud-hosted Atlassian Bitbucket repository for source-controlled Data Integration assets.

For more information, see *Organization Administration*.

## Platform REST API

This release includes the following enhancements to the REST API:

### Source control

You can get repository connection details such as the repository connection ID for a given project ID or project name using the `repositoryConnection` resource.

### Additional object specifications in import API resource

In an import POST request, you can use key-value pairs in the `additionalProviderFlags` field to include additional object specifications such as in-out parameter values and sequence generator values.

For more information, see *REST API Reference*.

## IPU metering for Cloud Data Integration for PowerCenter (CDI-PC)

You can view metering information for tasks that you perform in your organization and sub-organizations on the **Metering** page in Administrator.

You can view and download metering consumption data from the **Cloud Data Integration for PowerCenter** metering page. The metering page contains details including the date when the task was run, organization details, environment details, IPU per unit, and the number of IPU's consumed.

For more information about metering, see *Organization Administration*.

## Detailed metering report for PowerCenter Modernization

You can view and download detailed metering usage data for assessment and conversion jobs run from Cloud Data Integration for PowerCenter (CDI-PC). The metering page includes details such as the date and time when the jobs within the organization were run, organization ID, job details, and the number of objects processed during assessment or conversion.

For more information about metering, see *Organization Administration*.

## Overriding properties in the platform.yaml file

You can use a custom YAML file to override the property values in the `platform.yaml` file.

The `platform.yaml` file is a configuration file that the Process Server uses to get the configuration details related to Application Integration and communicate with the Secure Agent services.

You can override the property values in the `platform.yaml` file available on the Secure Agent by using a custom `user-platform.yaml`. To override the values, create a copy of the `platform.yaml` file with the required properties and their custom values, name the file as `user-platform.yaml`, and save it in the following directory:

```
<Secure Agent installation directory>\apps\process-engine\conf
```

When the Process Server is up and running, if a property is specified in the `user-platform.yaml` file, the Process Server uses that specific value. Otherwise, the Process Server uses the values defined in the `platform.yaml` file.

When the Secure Agent is upgraded to a new version, the properties in the `user-platform.yaml` file are unchanged.

For more information about configuring custom values for properties in the `platform.yaml` file, see *Secure Agent Services*.

## Serverless runtime environment

You can use serverless runtime environments configured in Azure Native ISV Services.

For a list of connectors that can use Azure serverless runtime environments, see *Runtime environments*.

## OS Profiles

You can use operating system (OS) profiles to impersonate another user to run tasks with operating system users who differ from the Secure Agent user.

For more information, see "Data Integration Server Properties" in *Secure Agent Services*.

# Upgrade

The following topics provide information about tasks that you might need to perform before or after an upgrade of Informatica Intelligent Cloud Services Data Integration. Post-upgrade tasks for previous monthly releases are also included in case you haven't performed these tasks after the previous upgrade.

## Preparing for the upgrade

Perform the following tasks to prepare for upgrade to the April 2024 release.

### Disk space requirements and file preparation

The Secure Agent upgrades the first time that you access Informatica Intelligent Cloud Services after the upgrade.

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
```

**Note:** After a major release upgrade, the old and new versions of the services might continue to run concurrently for up to 24 hours. Ensure that the Secure Agent machine has sufficient free memory to avoid memory depletion during this period.

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.  
The machine must have at least 5 GB free space or the amount of disk space calculated using the following formula, whichever is greater:

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

2. Close all applications and open files to avoid file lock issues, for example:
  - Windows Explorer
  - Notepad
  - Windows Command Processor (`cmd.exe`)

## Dynamic files in preprocessing commands

Data Integration refreshes mapping and task metadata during an upgrade. If you have a task that uses preprocessing commands to create a dynamic file, ensure that a file with the referenced file name is present at the specified file path before the first task run after the upgrade.

If a file isn't present, Data Integration can't map the metadata between the preprocessing command and the referenced file, and the task fails. After the first task run, Data Integration retains the file path.

## Post-upgrade tasks for the November 2023 release

Perform the following tasks after your organization is upgraded to the November 2023 release.

### Microsoft SQL Server Connector

After the upgrade, the TLS library used for SSL encryption is upgraded to OpenSSL version 3.0.0. To use OpenSSL version 3.0.0 for your existing mappings, add the following custom property in the Secure Agent:

- Type: DTM
- Property Name: DD\_CLOSED\_SQLSERVER\_DRIVER
- Value: 'DataDirect CLOSED 8.0 SQL Server Wire Protocol for Informatica - LATEST'

After adding the property, spawn a new Data Integration Service.

Set the following property in the **Runtime Advanced Connection Properties** field in Microsoft SQL Server connection properties:

```
AllowedOpenSSLVersions=latest
```

### Oracle Connector

After the upgrade, the TLS library used for SSL encryption is upgraded to OpenSSL version 3.0.0. To use OpenSSL version 3.0.0 for your existing mappings, add the following custom property in the Secure Agent:

- Type: DTM
- Property Name: DD\_CLOSED\_ORACLE\_DRIVER
- Value: 'DataDirect CLOSED 8.0 Oracle Wire Protocol for Informatica - LATEST'

After adding the property, spawn a new Data Integration Service.

Set the following property in the **Runtime Advanced Connection Properties** field in Oracle connection properties:

```
AllowedOpenSSLVersions=latest
```

# CHAPTER 3

## API Center

The April 2024 release of Informatica Intelligent Cloud Services™ API Center includes the following updates.

### New features and enhancements

API Center includes the following new features and enhancements in this release:

#### [API Center version management](#)

You can create multiple versions of a REST API without impacting the existing API definition.

For more information, see *REST API Assets*.

#### [API-level rate limit policy](#)

You can associate an API-level rate limit policy while designing a REST API or creating a managed API. The API-level rate limit policy controls the number of times API consumers can access an API and its operations during a designated time frame.

For more information, see *API Policies*.

#### [Published history of an API](#)

You can view a comprehensive published history of an API. You can view a detailed log that lists the users who made changes to the API and published the API.

For more information, see *Manage APIs*.

### Changed behaviors

API Center includes the following changed behaviors in this release:

#### [Published APIs creation for existing Application Integration processes](#)

You can create published APIs directly from existing Application Integration processes.

Previously, when you created a published API from the **Services** tab on the **API Console** page, an API was automatically created internally.

For more information, see *Manage APIs*.

## Revision history of a REST API

If you are assigned a Deployer role, you can view only the latest revision of the specific version of a published API. All the managed APIs of an older revision of a published API will refer to the latest revision of the specific version of a published API and the managed API count is displayed accordingly.

Previously, you could view all revisions of a published API. You can no longer view the revision history of an API.

For more information, see *Manage APIs*.

## Shared URL context

You can choose to use the same URL context while creating multiple versions of a managed API that belongs to the same published API.

Previously, you couldn't create more than one managed API with the same URL context.

For more information, see *Manage APIs*.

## Naming convention changes

To differentiate between the names of an API, a managed API, and a published API, and to maintain uniform naming conventions, several fields are renamed in API Center. The following table shows the field label changes:

Page or Tab Name	Old Field Name	New Field Name
<b>New &gt; APIs &gt; REST API &gt; Create &gt; Create API</b> page	<b>Name</b>	<b>API Name.</b> Use the <b>API Name</b> field to define the REST API asset name when you create the API on the <b>REST API</b> page. <b>Note:</b> You can't edit the <b>API Name</b> after you save it.
<b>New &gt; APIs &gt; REST API &gt; Create &gt; Create API</b> page	-	<b>Name.</b> The <b>Name</b> field is autogenerated based on the <b>API Name</b> that you enter.
<b>New &gt; APIs &gt; REST API &gt; Create &gt; Create API &gt; Operations &gt; Publish</b> dialog box	Removed the following fields: <ul style="list-style-type: none"><li>- <b>Version</b></li><li>- <b>Description</b></li></ul>	<b>Notes.</b> Optional. Use the <b>Notes</b> field to enter any publishing notes.
<b>New &gt; APIs &gt; REST API &gt; Create &gt; Create API page &gt; Policies &gt; Security</b>	<b>Security</b> panel	<b>Authentication</b> panel
<b>API Console &gt; Published API</b>	<b>Name</b>	<b>Published API Name</b>
<b>API Console &gt; API Monitor</b>	Filter search results based on the following fields: <ul style="list-style-type: none"><li>- Operation name</li><li>- API name</li><li>- Status</li></ul>	Filter search results based on the following fields: <ul style="list-style-type: none"><li>- Method</li><li>- API context</li><li>- Status</li></ul>

For more information about API Center, see *API Center help*.



## CHAPTER 4

# Application Integration

The April 2024 release of Informatica Intelligent Cloud Services™ Application Integration includes the following updates.

## Important notices

Effective in the April 2024 release, the following feature is available for preview:

### [Process Designer user interface](#)

The Process Designer user interface is modified to have a modern, clean look and feel. Fonts are updated to increase readability. However, you can switch the user interface between the modern view and the classic view, if required.

For more information about switching the Process Designer user interface, see *Design*.

The new Process Designer user interface is available for preview. Preview functionality is supported for evaluation purposes but is unwarranted and is not supported in production environments or any environment that you plan to push to production. Informatica intends to include the preview functionality in an upcoming release for production use, but might choose not to in accordance with changing market or technical circumstances. Note that if you are working on a preview POD, all data is excluded from SOC 2 compliance coverage. For more information, contact Informatica Global Customer Support.

# New features and enhancements

Application Integration includes the following new features and enhancements in this release:

## New XQuery functions in Miscellaneous section

You can use the following new XQuery functions under the **Miscellaneous** section:

XQuery function name	Description	Syntax
aesEncryption	Encrypts the specified data with the provided key using the Advanced Encryption Standard (AES) algorithm.	<code>util:aesEncryption(key, dataToEncrypt)</code>
aesDecryption	Decrypts the specified data with the provided key using the Advanced Encryption Standard (AES) algorithm. <b>Note:</b> You must use the same key that you had used for encrypting the data in the <code>aesEncryption</code> function.	<code>util:aesDecryption(key, dataToDecrypt)</code>

For more information about these new XQuery functions, see *Design*.

## Support for Amazon Identity and Access Management (IAM) authentication in app connections

You can configure IAM authentication when you use Amazon SQS and Amazon S3 connections on an Amazon Elastic Compute Cloud (EC2) system. IAM authentication provides secured access to Amazon S3 and Amazon SQS resources. The AWS IAM system is used to map policies to IAM roles or external resources. These policies determine the list of permissions that can be assigned to the IAM roles.

For more information about configuring IAM authentication in Amazon SQS and Amazon S3 connections, see the corresponding connector guide.

## Support for list of simple types in the process object editor in a service connector

When you configure a process object in a service connector, you can configure the following list of simple data types for process object fields:

- Checkbox
- Date
- Date Time
- Integer
- Number
- Text
- Time

When you create a process object in a service connector, you can define a comma-separated list of check box, date, date time, integer, number, text, and time values.

For more information about using a list of simple type, see *Design*.

## Support for reading headers from Kafka messages

Kafka consumers can consume headers sent with Kafka messages. The message headers are displayed in the **event** input field and can be used in a process.

The headers values are converted to string by default. You must ensure that the header uses a basic primitive type such as integer, floating point, or string. Otherwise, you might see random characters.

### Overriding properties in the platform.yaml file

You can use a custom YAML file to override the property values in the `platform.yaml` file.

The `platform.yaml` file is a configuration file that the Process Server uses to get the configuration details related to Application Integration and communicate with the Secure Agent services.

You can override the property values in the `platform.yaml` file available on the Secure Agent by using a custom `user-platform.yaml`. To override the values, create a copy of the `platform.yaml` file with the required properties and their custom values, name the file as `user-platform.yaml`, and save it in the following directory:

```
<Secure Agent installation directory>\apps\process-engine\conf
```

When the Process Server is up and running, if a property is specified in the `user-platform.yaml` file, the Process Server uses that specific value. Otherwise, the Process Server uses the values defined in the `platform.yaml` file.

When the Secure Agent is upgraded to a new version, the properties in the `user-platform.yaml` file are unchanged.

For more information about configuring custom values for properties in the `platform.yaml` file, see *Secure Agent Services*.

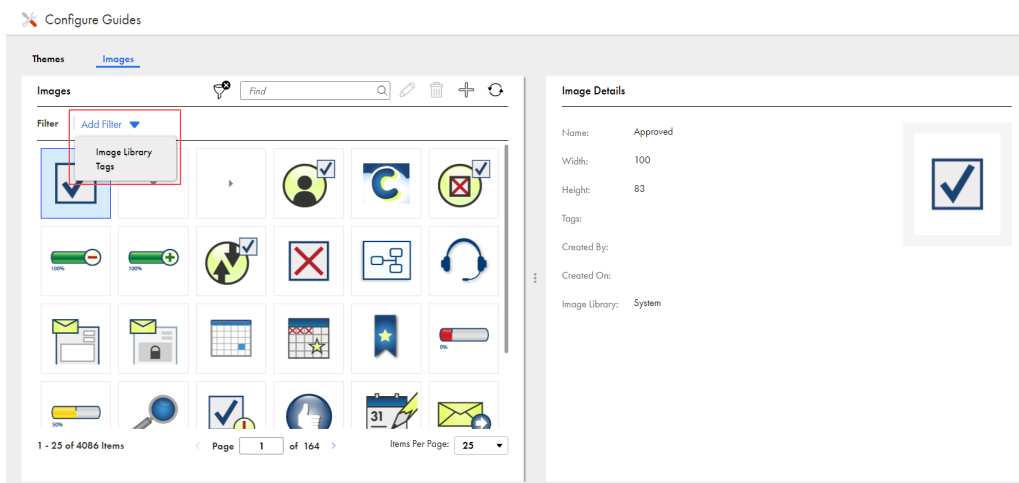
## Changed behaviors

Application Integration includes the following changed behaviors in this release:

### Configure Guides page

The **Configure Guides** page includes the following changes:

- In the **Images** tab, filter options such as **Image Library** and **Tags** appear in a list format as shown in the following image:



Previously, these options were available separately.

- When you select the filter as **Tags**, the **Find** box appears only if the list contains more than 10 tags. Previously, the **Find** box appeared by default.
- In the **Themes** tab, you can resize the **Configure Themes** section by dragging the section separator as required. Previously, you could only make the **Configure Themes** section occupy either 50 percent or 100 percent of the screen by clicking the section separator.
- In the **Themes** tab, when you edit the CSS in the **Style Editor** section, the changes are immediately reflected in the **Configure Themes** section and the **Save** button is enabled. Previously, after editing the CSS, you had to click outside the **Style Editor** section to view and save the changes.

For more information about configuring guides, see *Design*.

### Format of process output fields of the Number type for XML payloads

In an Application Integration process, if an output field of the Number data type has a precision greater than 7, the value does not get converted into the exponential format for XML payloads.

Previously, if a process contained an output field of the Number type with a precision greater than 7, the value was converted into the exponential format for XML payloads.

### Improved security for Business Process Archive file deployment on the Cloud Server

To improve security, in the Application Integration Console and Process Console, you can't deploy the Business Process Archive (.bpr) file on the Cloud Server if the .bpr file contains the following extensions:

.mp4, .mkv, .exe, .php, .jsp, .pdf, .mp3, .bpr, .zip, .rar, .tar, .py, .java, .cpp, .bash

Previously, you could deploy the .bpr file on the Cloud Server without any restriction.

For more information about deploying the .bpr file on the Cloud Server, see *Monitor* and *Process Developer*.

### Password retention in Service Connector bindings

When you configure the user credentials for basic authentication in the binding properties for a service connector, you can perform the following actions:

- You can retain the password by enabling the new **Expression in Password** field so that you can export the password when you export the service connector.
- You can see the value of the password that you enter using the new glass icon that appears in the **Password** field.

Previously, when you configured the user credentials, a **Show password** field was displayed. When you exported the service connector with the **Show password** field selected, you could see the value of the password on the page and export the password.

For more information about the binding properties for service connectors, see *Design*.

## Upgrade

The following topic provides information about the task that you must perform after you upgrade to the April 2024 release.

### Process Server restart

As part of this release, updates were made to the Process Server service on the Secure Agent. The updates do not affect the service and the agent processes will continue to work as is. As a result of the deployment of the updates, you will see that the status of the Process Server service shows up as **Restart Required**.

If you have configured an upgrade restart schedule for the Process Server, the restart will happen automatically as per the schedule. Otherwise, by default, the restart will happen 7 days after your Point of Deployment (POD) upgrade.

If you would like to manually restart the Process Server at your own convenience and get the latest updates, perform the following steps:

1. Open the Administrator service and select **Runtime Environments**.
2. On the **Runtime Environments** page, click the name of the Secure Agent.  
**Note:** You might have to expand the Secure Agent group to see the list of Secure Agents within the group.
3. Click the **Details** tab.
4. In the **Agent Service Start or Stop** area, select the service as **Process Server**.
5. Click **Stop**.
6. Click **Start** to restart the Process Server service. After the service starts, the status changes to **Up and Running**. If the service fails to start, check the audit log to find the cause of the error.

For more information about Secure Agents, see *Runtime Environments* in the Administrator help system.

# CHAPTER 5

## B2B Gateway

The April 2024 release of Informatica Intelligent Cloud Services™ B2B Gateway includes the following updates.

### New features and enhancements

The April 2024 release of Informatica Intelligent Cloud Services B2B Gateway includes the following new features and enhancements.

#### Creation and management of custom event status

You can create a custom event status using the new **Create Event Status** option that is available in the **Event Status** page. You can use the custom event status to indicate the progress of the event. You can create, read, update, and delete the custom event statuses.

#### Update of event status at run time using B2B transformation

You can update a pre-defined or custom event status for custom file type events at run time using the new B2B transformation available in Data Integration mappings. Using the B2B transformation, you can either pass the event status as a parameter or select an event status name that is configured in B2B Gateway.

#### Acknowledgements for individual messages

You can configure to indicate whether to send acknowledgements for individual messages on the **Messages** tab or to send acknowledgements for all the messages by configuring the **Send functional acknowledgment** option on the **Outbound Acknowledgment** tab.

For more information about the new features, see *B2B Gateway*.

## CHAPTER 6

# Business 360 Console

Informatica Intelligent Cloud Services<sup>SM</sup> Business 360 Console includes the following updates.

## Important notices

The April 2024 release of Informatica Intelligent Cloud Services<sup>SM</sup> Business 360 Console includes the following important notice:

### Preview lifted

Effective in the April 2024 release, the following functionalities are production ready:

- Enable fields in a business entity for the users to use them in reports. For more information about enabling the fields for users to use them in reports, see *Define the Data Model*.
- Set specific survivorship configurations for fields within a field group. To configure survivorship for a field within a field group, disable block survivorship for the field group. For more information about block survivorship, see *Block survivorship*.
- Set survivorship rule for a field or field group based on the value of another field. For example, for the full name field to survive based on age, configure a survivorship rule for the full name field that's based on the maximum value of the age field. For more information about survivorship rules, see *Rules*.
- Modify identical survivorship configurations of fields and field groups simultaneously. For more information about editing identical survivorship configurations, see *Editing identical survivorship configurations*.
- Set any field of a field group as a deduplication criteria. When duplicate field group entries are identified, they are merged.

Previously, these functionalities were only available for preview.

### Deprecated support for the classic experience in the MDM SaaS business applications

Effective in the April 2024 release, the classic experience in the MDM SaaS business applications is deprecated. Informatica intends to drop support for the classic experience in the October 2024 release.

If users in your organization continue to use the classic experience, Informatica recommends that they switch to the new UI experience.

# New features and enhancements

The April 2024 release of Informatica Intelligent Cloud Services<sup>SM</sup> Business 360 Console includes the following new features and enhancements.

## New UI experience

Informatica Intelligent Cloud Services, such as Administrator, Data Integration, Data Quality, and the MDM SaaS business applications, have a new look and feel that allows you to visualize and interact with data in greater clarity. Currently, the new UI experience isn't available for Business 360 Console.

## Publishing events

You can now create publishing events for the merge, unmerge, purge, and restore actions. To create publishing events for these actions, use the v2 version of the payload. You can continue using the existing publishing events, which are automatically set to the v1 version of the payload.

For more information about creating publishing events, see *Create a publishing event*.

## Business ID format

When you create a business entity, you can configure the format of business IDs for the records that belong to the business entity.

For more information about business IDs, see *Business entity properties*.

## Create records with custom business IDs

When you use the Create Master Record API, you can specify custom business IDs for the records that you create. The format of the business ID depends on the format that you configured for the business entity.

For more information about the Create Master Record API, see *Create Master Record*.

## Searchable business entity record fields

You can now enable business entity record fields of a business entity to be searchable. When the users use the business ID to search for records in the MDM SaaS business applications and the Search REST API request, the search results include all the records that contain the searched record as related record. For example, you can use the business ID of an organization record to search for all the person records that relate to the organization record through the business entity record field.

You can also add the business entity record fields to the search results layout component.

For more information about configuring search properties for a business entity, see *Define the data model*.

## Deduplication criteria

You can now set any field of a field group as a deduplication criteria. Use the deduplication criteria to identify and merge duplicate field group values.

For more information about deduplication criteria, see *Deduplication Criteria*.

## Block survivorship

You can now set specific survivorship configurations for fields within a field group. To configure survivorship for a field within a field group, disable block survivorship for the field group.

For more information about block survivorship, see *Block survivorship*.

## Survivorship rules

You can now configure survivorship rule for a field or field group based on the value of another field.

For example, for the full name field to survive based on age, configure a survivorship rule for the full name field that's based on the maximum value of the age field.

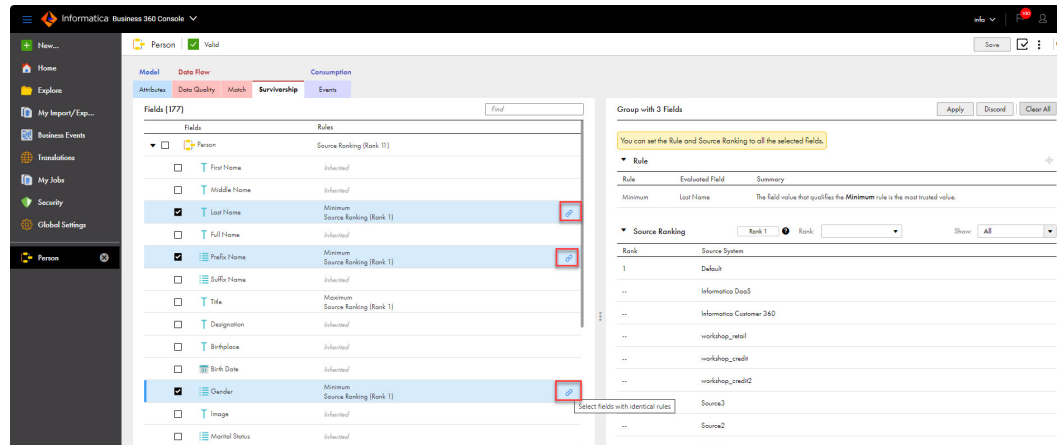


For more information about survivorship rules, see [Rules](#).

## Modify identical survivorship configurations

You can now modify identical survivorship configurations of fields and field groups simultaneously. To edit identical survivorship configurations of multiple fields and field groups simultaneously, click the **Select fields with identical rules** icon.

The following image shows the icon that indicates the fields with identical survivorship configurations:



For more information about modifying identical survivorship configurations, see [Editing identical survivorship configurations](#).

## Reportable fields in business entities

You can now enable fields in a business entity to be reportable. These fields appear as dimensions and measures when users create custom reports. You must set the fields used in existing custom reports as reportable for users to edit them.

For more information about enabling a field to be reportable, see [Define the Data Model](#).

# Changed behavior

The April 2024 release includes the following changed behaviors:

## Limits on search and reports properties

You can now enable up to 30 reportable fields, 30 searchable fields, 5 fields for auto suggestions, and 25 facettable fields in a business entity. The field limits optimize and improve the response times of MDM SaaS.

If you exceed the field limit for search and reports properties in existing business entities in your organizations, you can't enable additional fields for search and reports. To enable additional fields in the business entity, disable the currently enabled fields that exceed the defined limit.

For more information about configuring search and reports properties for a business entity, see [Define the Data Model](#).

## Deduplication

Uniqueness criteria configuration of a field group is now moved to the Survivorship page and is available as Deduplication. Your existing uniqueness criteria configuration is available as it is on the Survivorship page.

Previously, you could configure uniqueness criteria as a general property of a field group.

For more information about configuring deduplication, see *Adding deduplication criteria*.

### Advanced rule associations

You can now run advanced rule associations on input fields with no values even if all the input field values that you add or update in real time, import through the ingress job, and those that you map and import through the file import job are empty.

Previously, advanced rule associations that could run on input fields with no values were only run if all the input field values that were added or updated in real time were empty.

For more information about configuring advanced rule associations, see *Configure data quality*.

## CHAPTER 7

# Cloud Data Integration for PowerCenter (CDI-PC)

The April 2024 release of Informatica Intelligent Cloud Services™ Cloud Data Integration for PowerCenter (CDI-PC) includes the following updates.

## Important notices

### Update information

The April 2024 update to Cloud Data Integration for PowerCenter (CDI-PC) is a mandatory update and must be applied within 90 days of release. Domains that you don't update within 90 days are marked as obsolete and the domain status appears offline in IDMC. You can't run jobs or perform tasks on obsolete domains.

You can apply the update on CDI-PC domains of any version. Although the domain shuts down during the update, there are no manual tasks needed. The update performs all tasks including binary download, shutdown of the domain before, and restart of services after the update.

For information about how to apply updates, see *Domain Updates*.

### Installation of Data Quality libraries and files

When you run the CDI-PC server installer, the installer installs the Data Quality libraries and files. You can run the Data Quality mappings that you imported from PowerCenter. However, you can't design Data Quality mappings.

For more information, see *CDI-PC Repository Guide*.

### Preparing for installation of PowerExchange libraries and files

At the time of the April 2024 upgrade or shortly thereafter, if you previously specified PowerExchange in the LD\_LIBRARY\_PATH or PATH environment variables, remove the PowerExchange references from these variables. Also, remove the PWX\_HOME environment variable. The removal of these variables is required to take advantage of an April 2024 enhancement. With the enhancement, when you run the Designer or a workflow, the PowerExchange Listener version is automatically detected and the associated PowerExchange client libraries of the same version are loaded for CDI-PC.

After the installation, if you want to store your `dbmover.cfg` configuration file in a custom location, you can set the PWX\_CONFIG environment variable or the PWX\_CONFIG parameter in the `overrides.cfg` file to point to that location. For more information about this optional post-installation step, see the *CDI-PC Installation Guide*.

# New features and enhancements

Cloud Data Integration for PowerCenter (CDI-PC) includes the following new features in this release:

## Configure Kerberos authentication in a CDI-PC domain

You can configure the CDI-PC domain to use Kerberos network authentication to authenticate users and services on a network.

You can configure Kerberos authentication in a CDI-PC domain when you install the CDI-PC services, or you can configure Kerberos authentication after you install the services.

For information about configuring Kerberos authentication while creating a CDI-PC domain, see *Installation Guide*.

## Resuming a failed installation

If you paused the installation to register the domain, you can resume the installation process to configure the CDI-PC Integration Service and the CDI-PC Repository Service from the installer. After domain configuration, if the installation process stops midway, you can resume the installation from the point of failure or exit.

When the service installation process fails, you can resume from the previous service configuration and recover the last entered details for that service installation.

For information about resuming the install process, see *Installation Guide*.

## Alerts and notifications

You can view alerts in Informatica Intelligent Cloud Services and receive email notifications for events and status changes of your domains.

For information about the events and status changes that generate alerts and notifications, see *Getting Started*.

## IPU metering

You can view metering information for tasks that you perform in your organization and sub-organizations on the **Metering** page in Administrator.

You can view and download metering consumption data from the **Cloud Data Integration for PowerCenter** metering page. The metering page contains details including the date when the task was performed, organization details, environment details, IPU usage, and the number of IPUs consumed.

**Note:** Wait for at least 24 hours after the April Informatica Intelligent Cloud Services update before you download detailed metering reports.

For information about metering, see *Organization Administration* in the Administrator help.

## New update alerts for major releases

When a major update is available, a pop-up notification appears when you open the Cloud Data Integration for PowerCenter (CDI-PC) service in Informatica Intelligent Cloud Services. The notification includes details about the update and the due date. It also includes a link to the What's New to learn more about features in the update.

The message appears 24 hours after the release becomes available. It appears each time you log in unless you choose to be reminded after 10 days. You can't choose this if the update is due in 30 days or less. The pop-up continues to appear until all domains in the organization are updated.

## Delete offline domains

You can delete domains that are in the offline state. If you uninstall a domain without deregistering it, the domain appears offline on the CDI-PC Explore page. You can delete such domains from the list of domains to remove entries that you don't need.

For information about how to delete a domain, see *Domain Registration*.

## Asset logs

The CDI-PC service generates logs for tasks performed on the service page. You can access the logs and log history from the Administrator service.

For information about how to view asset logs, see *Organization Administration* and *REST API Reference* in the Administrator help.

# Changed behavior

Cloud Data Integration for PowerCenter (CDI-PC) includes the following changed behaviors in this release:

## Edit details of domains in Update Failed state

You can edit the details of domains in the Updated Failed state.

Previously, you could not update the details of domains in the Update Failed state.

For information about how to edit domain details, see *Domain Registration*.

## Domain status post update due date

When a mandatory domain update becomes available, you must apply the update by the due date. You can choose to schedule the update at an appropriate time or to manually run the update. Domains that you don't update by the due date are marked as obsolete and the domain status appears offline in IDMC. You can't run jobs or perform tasks in obsolete domains.

Previously, mandatory updates were automatically applied to domains that you don't update by the due date.

For information about domain updates, see *Domain Updates*.

## Specify authentication type when you register a domain

When you register a domain on the CDI-PC Home page, you must specify whether the domain uses Kerberos or non-Kerberos authentication.

Previously, you could not register domains that use Kerberos authentication and didn't specify an authentication type during registration.

For information about how to register a domain, see *Domain Registration*.

## CHAPTER 8

# Data Access Management

The April 2024 release of Informatica Intelligent Cloud Services™ Data Access Management includes the following updates.

## New features and enhancements

Informatica Intelligent Cloud Services Data Access Management includes the following new features and enhancements in this release.

### [View audit logs](#)

You can view audit logs of activity that takes place in Data Access Management. You can use these logs to see details of logged events, such as which Data Marketplace orders triggered a particular policy and the history of policy events.

For more information about viewing audit logs, see *Introduction and Getting Started*.

### [Use additional data sources](#)

You can use the following data sources with Managed Access in Data Marketplace:

- Microsoft SQL Server
- Oracle

You can use the following data sources with access policy transformations in Data Integration:

- Azure SQL
- Azure Synapse
- Databricks Delta Lake

For more information about data sources, see *Introduction and Getting Started*.

## CHAPTER 9

# Data Governance and Catalog

The April 2024 release of Informatica Intelligent Cloud Services for Data Governance and Catalog includes the following updates.

**Note:** Informatica intends to include the functionality described below, but might in its sole discretion choose not to do so in accordance with changing market or technical circumstances.

## Important notices

The April 2024 release of Data Governance and Catalog includes the following important notices.

### Preview initiated

Effective in the April 2024 release, the following catalog sources are available for preview:

- dbt
- Microsoft OneLake
- Microsoft Fabric Lakehouse
- SAP S/4HANA Cloud

**Note:** Preview functionality is supported for evaluation purposes but is unwarranted and is not supported in production environments or any environment that you plan to push to production. Informatica intends to include the preview functionality in an upcoming 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.

### Preview lifted

Effective in the April 2024 release, the following feature and catalog source are lifted from preview and are production ready:

#### **IDMC metadata**

You can enable IDMC metadata to extract metadata from Data Integration without the need to configure the Informatica Intelligent Cloud Services catalog source in Metadata Command Center.

For more information, see *IDMC metadata* in the Administration help.

#### **Oracle Cloud Infrastructure GoldenGate**

You can use the Oracle Cloud Infrastructure GoldenGate catalog source to extract metadata from an Oracle Cloud Infrastructure GoldenGate deployment.

For more information, see the *Catalog Source Configuration* help.

# New features and enhancements

The April 2024 release of Data Governance and Catalog includes the following new features.

## Improved integration with Data Marketplace

You can now view whether an asset is added to a data collection in Data Marketplace. For an asset that is added to a data collection, you can view the data collections in Data Marketplace that contain it. You can also view the details of the Data Collections from the Data Governance and Catalog interface.

Furthermore, onboarding Data Governance and Catalog assets to Data Marketplace is also simplified. In Data Marketplace, you no longer need to publish assets as linked data assets before adding them to collections. You can now directly add an asset that is available in Data Governance and Catalog to a Data Marketplace data collection.

## New business asset

You can manually create a data element inside a business data set in Data Governance and Catalog.

A data element that is extracted from the source system as part of the metadata extraction job represents facts and technical content that may not be applicable to a business user. For business users to work with technical data elements, you can now manually create business data elements.

## Drill down of profiling data in search results

When you see search results that show profiling data, you can drill down the details of the profiled statistics.

## Manually associate rule occurrences with data elements that do not have data quality automation enabled for the catalog source

If the data quality automation option is not enabled for a catalog source in Metadata Command Center and the data elements in Data Governance and Catalog have rule occurrences, you can manually upload data quality scores so that they can be associated with rule occurrences. You can upload these scores using a bulk import template, an API, or Data Profiling scorecards.

## Saved searches

If you frequently search for a specific set of assets, you can save the search query with a name. The saved search can be a simple query or a complex query with several filters applied to it. This helps you to perform the same search later without re-entering it. You can run a search query from the search bar, apply filters to narrow down the search results, and save the query.

The **My Saved Searches** page lists the search queries that you have saved. You can run a search directly from this list. From this list, you can mark some searches as favorite.

You can use your saved searches to create a search-based widget in the **Dashboard** page after you save your search. For example, if you need to frequently access the results of a particular search for your specific business interest, you can create a widget out of a search. In this situation, you can refresh the widget each time to see the data you want.

## New option for lifecycle of business assets

A new lifecycle option, **Obsolete**, is introduced for a business asset that is no longer in use. You can view the asset, change the description, delete an existing relationship, and update the stakeholders for the asset. You cannot, however, add a new relationship to this asset. Also, existing recommended glossary associations will be deleted.

## Customize your Data Governance and Catalog

Improved customization options in Metadata Command Center now allow you to customize Data Governance and Catalog according to the needs of your organization. You can now customize the following:



### **Asset relationship types**

For assets that can be related to each other, you can add new relationship types or modify or remove existing relationship types. This allows you to accurately represent the relationships between assets according to how the associations are defined in your organization.

### **Data quality dimensions**

You can now add new data quality dimensions or modify or remove existing data quality dimensions. This allows you to adjust the data quality measurement definitions based on the needs of your organization. You can define up to 12 data quality dimensions.

### **Attributes**

You can now modify or remove predefined attributes or define values for predefined list attributes. This helps improve governance in your organization.

### **Sensitivity levels**

You can now add new sensitivity levels or modify or remove existing sensitivity levels. This assists the users in your organization to accurately gauge the sensitivity of a data classification. You can define up to 5 sensitivity levels.

### **Improved History tab for business and technical assets**

Use the **History** tab to observe and track changes that you make for business assets and their child assets. It displays detailed information about the date when the update was made, the name of the person who made an update, the type of the operation you performed, the event type, the path of the asset, and current and previous attributes of the asset.

### **Visualize anomalies in your source systems with the data observability capability**

Informatica introduces the data observability capability that allows you to identify and visualize anomalies in the characteristics of your source system data. An anomaly is a sudden deviation from a usual trend within a source system.

To identify data anomalies, enable the data observability feature for your source system in Metadata Command Center. Before you use the feature, enable the data profiling capability and run data profiling on the complete source system.

To visualize and evaluate the data anomalies that you identify, create a dashboard with data observability options in Data Governance and Catalog.

You can perform the following operations in Data Governance and Catalog:

- View anomaly events by metric and severity, and analyze the events.
- Following appropriate action on the data, perform Resolve and Reject operations for the events in Data Governance and Catalog.
- Add Data Observability overlay to your lineage.

### **Upload technical rule references using a bulk import template**

You can now upload technical rule references in a data quality tool to Data Governance and Catalog using a bulk import template.

### **New interface language**

The interface for Data Governance and Catalog and Metadata Command Center is now translated in the Dutch language.

## Profiling enhancements

### Apache Hive

You can enable profiling and run data quality tasks on Apache Hive databases.

### Microsoft Fabric Data Warehouse

You can enable profiling and run data quality tasks for Microsoft Fabric Data Warehouse.

### PostgreSQL

You can enable profiling and run data quality tasks on all PostgreSQL asset types.

## New catalog sources

This release includes the following new catalog sources:

- dbt (Preview)
- IBM InfoSphere DataStage
- Microsoft Fabric Lakehouse (Preview)
- Microsoft Fabric OneLake (Preview)
- SAP S/4HANA Cloud (Preview)

For information about catalog sources, see the *Catalog Source Configuration* help.

## Connection-aware scans

You can run connection-aware scans on the following catalog sources:

- Microsoft SQL Server Analysis Services (SSAS)
- Microsoft SQL Server Reporting Services (SSRS)
- Tableau

## Assign ticket creators to human tasks in workflows

When you configure a workflow, you can choose to include the ticket creator in the list of roles that can perform a human task. A ticket creator is a user who starts the workflow ticket. If you assign ticket creator to a human task, when the workflow runs, Data Governance and Catalog identifies the user who created the ticket and assigns the human task to the user. The user must have at least the minimum required privileges to view and perform the human task.

For more information, see *Configure workflows* in the Administration help.

## Configure schedules for each capability in a catalog source

You can configure separate schedules for each capability that you configure in a catalog source. If you create separate schedules, jobs for each capability run separately at the scheduled date and time instead of at a single scheduled date and time.

When you configure a schedule for data quality, you can choose to run data quality rules based on the frequency defined for the rule occurrence in Data Governance and Catalog.

For more information, see the *Catalog Source Configuration* help.

## Filters for metadata extraction

You can define metadata extraction filters based on specific asset types for the following catalog sources:

- Amazon Redshift
- MySQL

- PostgreSQL

The asset types that you can select depend on the catalog source.

For more information, see the *Catalog Source Configuration* help.

### [Extract external tables using Polybase in Microsoft Azure Synapse](#)

You can run a Microsoft Azure Synapse catalog source job to extract metadata from external tables with Polybase.

For more information, see the *Catalog Source Configuration* help.

### [Define the scope for glossary association](#)

You can choose specific top-level business glossary assets to associate with technical assets. The top-level business glossary assets include its child assets.

### [Rename data classifications](#)

You can rename the data element and data entity classifications that you create or import.

For information about data classification rules, see the *Administration* help.

### [Extract objects created using OracleDBLinks in Oracle catalog sources](#)

You can extract metadata from objects created using OracleDBLinks. OracleDBLinks creates objects that contain data from other schemas or databases. You can extract objects created from other Oracle databases.

For information about how to extract metadata from Oracle catalog sources, see the *Catalog Source Configuration* help.

### [SAP Business Warehouse \(SAP BW\)](#)

You can extract Open Hub Destination objects from an SAP BW source system.

For information about how to extract metadata from SAP Business Warehouse (SAP BW) catalog sources, see the *Catalog Source Configuration* help.

### [Databricks](#)

This release includes the following enhancements:

- You can extract workflows and workflow notebook tasks from a Databricks Notebooks source system.
- You can add filter conditions based on jobs when you configure metadata extraction.

### [Microsoft Azure private link](#)

You can configure a private connection between your Azure account and the following services using the Microsoft Azure private link:

- Metadata Command Center
- Data Governance and Catalog

For more information about Microsoft Azure private link configuration, see the following How-To Library article: *Microsoft Azure Private Link Onboarding Guide for Informatica Intelligent Cloud Services*.

### [Update sensitivity levels of multiple data element classifications](#)

You can update the sensitivity level of multiple data element classifications. You can update the sensitivity level for the classifications that you create or import.

## [Use new authentication methods to connect to Microsoft Azure Data Lake Storage Gen2](#)

You can use Shared Key Authentication or Managed Identity Authentication to connect to Microsoft Azure Data Lake Storage Gen2.

## [Use a custom query sampling type in Oracle and Microsoft SQL Server catalog sources.](#)

You can use custom queries as a sampling method when you configure data profiling and quality tasks in Oracle and Microsoft SQL Server catalog sources.

## [Run metadata extraction tasks on a serverless runtime environment](#)

You can run metadata extraction tasks on a serverless runtime environment for the following catalog sources:

- Google Looker
- Qlik Sense Cloud

A serverless runtime environment is an advanced serverless deployment solution that does not require downloading, installing, configuring, and maintaining a Secure Agent or Secure Agent group.

For more information about serverless runtime environment, see Runtime environments in the *Administrator* help.

# Changed behavior

The April 2024 release of Data Governance and Catalog includes the following changed behaviors.

## [Metadata Command Center feature name change in Administrator](#)

In the Informatica Intelligent Cloud Services Administrator, the name of the Metadata Command Center feature required to allow users to configure IDMC Metadata is changed. The feature is now named Manage IDMC Metadata Settings.

Previously, the feature was named Manage Auto Cataloging Settings.

## [Increase in data classification expression value limit](#)

When you construct a data classification inclusion rule using expressions, you can specify expression values of up to 5000 characters.

Previously, the expression value had a limit of 512 characters.

# CHAPTER 10

## Data Marketplace

The April 2024 release of Data Marketplace includes the following updates.

### New features and enhancements

The April 2024 release of Data Marketplace includes the following new features and enhancements.

#### Improved integration with Data Governance and Catalog

The April 2024 release places greater emphasis on seamless integration between Data Marketplace and Data Governance and Catalog. The improved integration provides you with following benefits:

##### **Governed assets in your data collections**

After your Informatica Intelligent Cloud Services POD is upgraded, the linked data assets in your data collections are replaced with the corresponding Data Governance and Catalog assets. You won't need to manually modify or replace the data collections that were originally comprised of linked data assets.

To simplify your experience, the *linked data asset* asset type is retired from Data Marketplace.

**Note:** While creating linked data assets earlier, if you had modified the names or descriptions that were retrieved from the Data Governance and Catalog assets, the modified names or descriptions are now replaced with the business name and description of the corresponding Data Governance and Catalog assets. If a governed asset has no business name and description, the asset's name and description in Data Marketplace will be updated using the technical name and description fields in Data Governance and Catalog.

Commenting on linked assets is also retired and existing comments are no longer available. For the governed assets that replace the linked data assets, you can view and add comments to them only in Data Governance and Catalog.

If you want to preserve the names, descriptions and chat history of linked data assets, you can use the Retrieve Data Asset API and Retrieve comments on an object API. For more information about how you can use a API to export the details of a linked data asset, see the *API Reference* help.

##### **Add governed assets directly to data collections**

You can now add a Data Governance and Catalog asset directly to a data collection in Data Marketplace without needing to first onboard the asset as a linked data asset.

To improve your experience, the asset search capabilities that are available when you try to add an asset to a collection are enhanced. The **Search by Source Path** option is now replaced with additional filters that improve the precision of the search results.

For more information about how you can add a governed asset directly to a data collection, see the *Adding data assets to a data collection* topic in the *Working With Data Collections* help.

### **View Data Marketplace information in Data Governance and Catalog**

You can now view in Data Governance and Catalog whether an asset is added to a data collection in Data Marketplace. For an asset that is added to a data collection, you can view the data collections in Data Marketplace that contain it. You can also view the details of the data collections from the Data Governance and Catalog interface.

For more information, see the *Asset Details* help in Data Governance and Catalog.

### **REST API enhancements**

You can now add a Data Governance and Catalog asset directly to a data collection in Data Marketplace using Data Marketplace APIs. You no longer need to create linked data assets before you can add governed assets to your data collections.

Furthermore, the Create Linked Data Asset API (`/api/v1/integration/dataAssets/referenced`) is retired. If you are using this API in an Application Integration process that invokes Data Marketplace APIs, you will need to restructure your processes around Data Governance and Catalog APIs.

For more information, see the *API Reference* help.

For more information about the changes, see Knowledge Base article 000220704.

### **Easily identify data collections with Managed Access delivery options**

If a data collection has a delivery target for which the **Managed Access** option is enabled, Data Marketplace now displays a shield on the data collection. This shield allows users to easily identify collections that can be ordered using a Managed Access enabled delivery option.

For more information, see the *Working With Data Collections* help.

### **Language support**

#### **New interface languages**

The Data Marketplace interface is now translated into the following languages:

- Dutch
- Italian

#### **New language support for custom labels**

On the **Setup > Configuration** page, you can now add custom labels in the following languages:

- Dutch
- Italian

### **Microsoft Azure private link**

You can now configure a private connection between your Azure account and Data Marketplace using Microsoft Azure private link.

For more information about Microsoft Azure private link configuration, see the following How-To Library article: *Microsoft Azure Private Link Onboarding Guide for Informatica Intelligent Cloud Services*.

# Changed behavior

The April 2024 release of Data Marketplace and includes the following changed behavior.

## REST API changes

If you use an API to retrieve the delivery templates or delivery targets that are available in Data Marketplace, you can no longer use the following parameters to sort the search results of the API call:

- DESCRIPTION
- PHYSICAL\_LOCATION
- DEFAULT\_PHYSICAL\_LOCATION

For more information, see the *API Reference* help.

# CHAPTER 11

## Data Integration

The April 2024 release of Informatica Intelligent Cloud Services™ Data Integration includes the following updates.

### Important notices

Informatica has modified the levels of customer support that it offers for one or more Informatica Intelligent Cloud Services Data Integration features in the current release. The following notices identify the features and the current support levels.

#### Preview lifted

Effective in the April 2024 release, the following connectors are lifted from preview and are production ready:

- Microsoft Fabric Data Warehouse
- Microsoft Fabric Lakehouse
- Microsoft Fabric OneLake

Effective in the April 2024 release, the following functionality is lifted from preview and is production ready:

#### Intelligent structure models

You can use Cobol copybooks input type to create models in Intelligent Structure Discovery.

For more information, see *Intelligent structure models*.

#### Mappings in SQL ELT mode

Create a mapping in SQL ELT mode when your source and target are in the same cloud ecosystem and you want all the mapping logic to be processed by your cloud ecosystem. For example, you need to move data in an Azure Data Lake Storage data lake to your Snowflake cloud data warehouse, and you want all the data processing to occur within Snowflake.

For more information about mappings in SQL ELT mode, see *Mappings*.

#### Deprecation initiated

Effective in the April 2024 release, the following functionality enters deprecation:

- Use a Visio template to define parameterized data flow logic that you can use in mapping tasks.

While you can use the functionality in the current release, Informatica intends to drop support for the functionality in the July 2024 release.



# New features and enhancements

Informatica Intelligent Cloud Services Data Integration includes the following new features and enhancements in this release.

## New UI experience

The Data Integration user interface has a new look and feel that presents the features you'll use in greater clarity.

## New mapping task editor

The updated user interface includes a new mapping task editor. The new editor provides a more intuitive design flow and allows you to edit multiple assets at the same time.

The properties that you configure in the mapping task are the same in the new editor. However the page that you use to configure the properties might be different. For example, you now configure lookup connection and object parameters on the **Sources** page.

Some pages of the new task editor have new names. For example, the **Schedule** page is now the **Runtime Options** page.

For more information about mapping tasks, see *Tasks*.

## Asset tags

When you export assets, asset tags are included in the export package and imported with assets to the target project. You can choose to merge tags with tags in the target project when you overwrite existing assets.

You can also merge asset tags when you copy an asset to a new location and replace an existing asset with the same name.

For more information about asset tags, see *Asset Management*.

## Configure options for multiple flat file delimiters

When you use a flat file in a Source, Target, or Lookup transformation and you specify multiple delimiter characters, you can choose to treat the characters as a single delimiter or multiple delimiters. By default, Data Integration treats the characters as a single delimiter.

For more information, see *Transformations*.

## Data transfer tasks

When you use a database connection, you can define a custom query as the first source in a data transfer task.

For more information about data transfer tasks, see *Tasks*.

## FHIR validation in the Data Services transformation

The Data Services transformation can validate incoming FHIR resources in JSON format.

For more information, see *Transformations*.

## Hierarchical mapper

You can create a hierarchical mapper to map a hierarchical schema, such as the schema for an industry-standard message, to another hierarchical schema.

For more information, see *Components*.

## Mappings in SQL ELT mode

Mappings in SQL ELT mode have the following enhancements:

- When you create a mapping in SQL ELT mode, you can preview data for individual transformations to test the mapping logic. Preview the data for a transformation on the **Preview** panel of the transformation. Select the number of source rows to process and the runtime environment that runs the preview job.
- When you create a mapping in SQL ELT mode, you can preview the SQL query that Data Integration pushes to the cloud data warehouse. Preview the query in the **SQL ELT Query** panel in the Mapping Designer.

For more information about mappings in SQL ELT mode, see *Mappings*.

## New B2B Transformation step in mappings

You can use the new B2B transformation step in a mapping to update an event status. You can select a dynamic event status name that is configured in the field mapping or select an event status name that is configured in B2B Gateway.

For more information about the B2B transformation step, see *Mappings*.

## Platform REST API

This release includes the following enhancements to the REST API:

### Source control

You can get repository connection details such as the repository connection ID for a given project ID or project name using the repositoryConnection resource.

### Additional object specifications in import API resource

In an import POST request, you can use key-value pairs in the additionalProviderFlags field to include additional object specifications such as in-out parameter values and sequence generator values.

For more information, see *REST API Reference*.

## Serverless runtime environment

You can use serverless runtime environments configured in Azure Native ISV Services.

For a list of connectors that can use Azure serverless runtime environments, see *Runtime environments*.

## Source control

This release includes the following enhancements to source control:

### Commit tags

When you check in assets to your source control repository, you can add a commit tag to assets in the check-in.

### Cloud-hosted Bitbucket repositories

You can use a cloud-hosted Atlassian Bitbucket repository for source-controlled Data Integration assets.

### Project-level Git repositories

You can configure a Git repository for each project instead of using the global Git repository that is configured for the organization. To use this feature, the organization administrator must enable it.

For more information, see *Asset Management*.

## User-defined function parameters

You can parameterize a user-defined function or its arguments with an in-out parameter that's configured as an expression variable.

For more information about user-defined functions, see *Components*. For more information about in-out parameters, see *Mappings*.

## Variables in advanced mode

You can use data filter variables and system variables in mappings in advanced mode.

For more information about data filter variables, see *Tasks*. For more information about system variables, see *Function Reference*.

# Changed behavior

Informatica Intelligent Cloud Services Data Integration includes the following changed behaviors in this release.

## Job details for mappings in SQL ELT mode

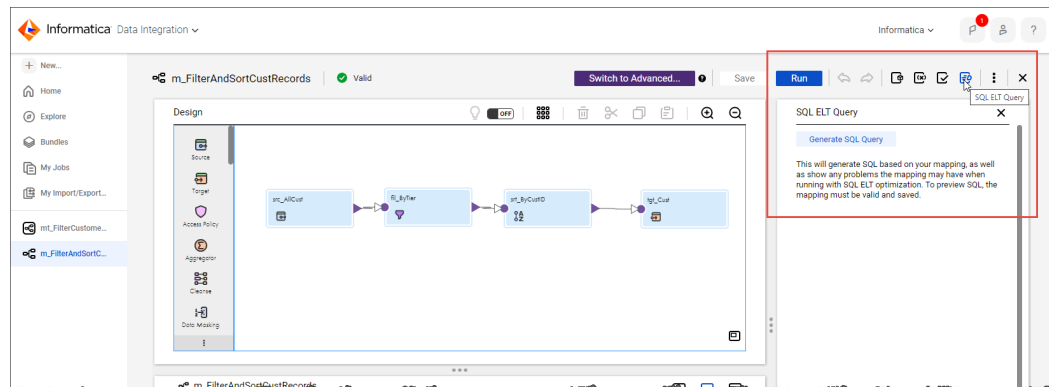
When you run a mapping in SQL ELT mode, the job details page shows the individual target results for each target in the job.

Previously, the job details page showed only one target and the number of target rows shown was cumulative for all targets in the mapping.

For more information about viewing job results, see *Monitor*.

## SQL ELT query preview

When you preview the SQL query for a mapping that uses SQL ELT optimization, the query panel is renamed to **SQL ELT Query**, and the button that you click to generate the query is labeled **Generate SQL Query** as shown in the following image:



Previously, the panel was named **SQL ELT Optimization**, and the button was labeled **SQL ELT Preview**.

For more information about previewing SQL ELT queries for mappings, see *Mappings*.

## Rounding for double data type values

For double data type source fields that are connected to a downstream decimal or string data type field, Data Integration retains digits beyond the 15th digit.

Previously, Data Integration rounded all double data type values to the 15th digit.

For more information about double data types, see *Function Reference*.

## Taskflows

Taskflows include the following changed behaviors:

- In a Data Task step that you use to add a mapping task, the **Path** column corresponding to the in-out parameters in the input and output fields includes the mapping task ID. Previously, the **Path** column included only the mapping task name and not the mapping task ID.

**Note:** A taskflow that uses mapping tasks with the same name but different in-out parameters becomes invalid. You must re-select the mapping tasks in the taskflow to fix the issue. However, the taskflow will still run successfully even if it shows up as invalid.

- In a subtaskflow, when a Data Task step that uses a mapping task fails, and you select the Subtaskflow step in the taskflow instance from the **All Jobs** or **My Jobs** page, the **Source** section on the **Fault** tab displays the subtaskflow name followed by the mapping task name that failed.  
If a subtaskflow containing multiple Data Task steps fails, the **Source** section on the **Fault** tab displays the subtaskflow name followed by the mapping task name of the first Data Task step that failed.

With this change, you can easily identify issues with the subtaskflow and mapping task.

The following image shows the subtaskflow name and the mapping name in the **Source** section on the **Fault** tab:

The screenshot shows the 'TF\_With\_MCT Properties' dialog for a failed taskflow. The 'Fault' tab is active, and the 'Source' field is highlighted with a red box, containing the text 'TF\_With\_MCT : MCT\_Basic'. The 'Reason' field contains the text: 'There is no active Secure Agent in the Secure Agent group invr84ml02.informatica.com or the 'Data Integration Server' service is user stopped or disabled. Start at least one Secure Agent belonging to the Secure Agent group or enable the 'Data Integration Server' service.'

Previously, in a subtaskflow, when a Data Task step with a mapping task failed, the XPath for the subtaskflow was displayed in the **Source** section on the **Fault** tab, which was not useful.

The following image shows the XPath of the subtaskflow in the **Source** section on the **Fault** tab:

The screenshot shows the 'TF\_With\_MCT Properties' dialog for a failed taskflow. The 'Fault' tab is active, and the 'Source' field is highlighted with a red box, containing the XPath expression: '/process/Row/scope[@name='the5egc1']/scope[@name='TF\_With\_MCT']/sequence/invoker[@name='TF\_With\_MCT']'. The 'Reason' field contains the text: 'Unexpected exception found.'

For more information, see *Taskflows*.

# Connectors

The April 2024 release includes the following enhanced connectors.

## Enhanced connectors

This release includes enhancements to the following connectors.

### Adabas Connector

- When you define a connection, you can specify one or more connection overrides in the **Custom Properties** field, such as `$UserPass="User Name=jdoe;Password=myspassword"`.
- You can override source objects through parameterization in mappings. Parameterization enables you to parameterize the number of source objects and object names. In mappings, the new Parameter field appears on the **Source > Details** tab. Click **New Parameter** next to the field to create a parameter with the new type of multi group data object. This type of parameter can define a set of source object groups, one group per object. You can then map the group names to target transformations.

### Adabas CDC Connector

You can set a user-defined parameter in the **Custom Properties** connection property that allows you to specify connection property overrides through a parameter file.

### Amazon Athena Connector

You can configure AWS Identity and Access Management (IAM) authentication when the Secure Agent is installed on an Amazon Elastic Compute Cloud (EC2) system.

### Amazon Redshift V2 Connector

This release includes the following enhancements for Amazon Redshift V2 Connector:

- **SQL ELT optimization enhancement**
  - When you run a mapping enabled for SQL ELT optimization and the mapping contains multiple pipelines, you can define the flow run order when you want Data Integration to load the targets from the pipelines in a particular order.
  - When you configure a mapping to write to multiple targets in a single pipeline, with each target configured for any write operation, the target operations are processed in a predefined order of delete, update, upsert, and insert.
- You can configure a SQL transformation to process a user-entered query to call a stored procedure that returns a value or no values.
- You can configure a virtual private cloud endpoint to enable private communication between the Secure Agent and the Amazon S3 bucket for staging.

## Databricks Delta Connector

This release includes the following enhancements for Databricks Delta Connector:

- **SQL ELT optimization enhancement**  
When you run a mapping enabled for SQL ELT optimization and the mapping contains multiple pipelines, you can define the flow run order when you want Data Integration to load the targets from the pipelines in a particular order.
- You can configure partitioning to optimize the mapping performance at run time when you write data to Databricks Delta targets.
- You can improve the staging performance of a mapping that writes to Databricks Delta.
- You can configure a connection and mapping in one environment and then migrate and run the mapping in another environment.

## Db2 Data Map Connector

- When you define a connection, you can specify one or more connection overrides in the **Custom Properties** field, such as `$UserPass="User Name=jdoe;Password=mypassword"`.
- You can override source objects through parameterization in mappings. Parameterization enables you to parameterize the number of source objects and object names. In mappings, the new Parameter field appears on the **Source > Details** tab. Click **New Parameter** next to the field to create a parameter with the new type of multi group data object. This type of parameter can define a set of source object groups, one group per object. You can then map the group names to target transformations. .

## Db2 for i CDC Connector

This release includes the following enhancements for Db2 for i CDC Connector:

- You can set a user-defined parameter in the **Custom Properties** connection property that allows you to specify connection property overrides through a parameter file.
- The optional mapping source property, **Journal Name**, enables you to override the library and journal name in the PowerExchange CAPI\_CONNECTION statement.

## Db2 for LUW CDC Connector

You can set a user-defined parameter in the **Custom Properties** connection property that allows you to specify connection property overrides through a parameter file.

## Db2 for z/OS Bulk Load Connector

When you define a connection, you can specify one or more connection overrides in the **Custom Properties** field, such as `$UserPass="User Name=jdoe;Password=mypassword"`.

## Db2 for z/OS CDC Connector

You can set a user-defined parameter in the **Custom Properties** connection property that allows you to specify connection property overrides through a parameter file.

## Db2 for z/OS Image Copy Connector

- When you define a connection, you can specify one or more connection overrides in the **Custom Properties** field, such as `$UserPass="User Name=jdoe;Password=mypassword"`.
- You can override source objects through parameterization in mappings. Parameterization enables you to parameterize the number of source objects and object names. In mappings, the new Parameter field appears on the **Source > Details** tab. Click **New Parameter** next to the field to create a parameter with the new type of multi group data object. This type of parameter can define a set of source object groups, one group per object. You can then map the group names to target transformations.

## Db2 for z/OS Unload File Connector

- When you define a connection, you can specify one or more connection overrides in the **Custom Properties** field, such as `$UserPass="User Name=jdoe;Password=mypassword"`.
- You can override source objects through parameterization in mappings. Parameterization enables you to parameterize the number of source objects and object names. In mappings, the new Parameter field appears on the **Source > Details** tab. Click **New Parameter** next to the field to create a parameter with the new type of multi group data object. This type of parameter can define a set of source object groups, one group per object. You can then map the group names to target transformations.

## DB2 Loader Connector

You can encrypt passwords when connecting to DB2 databases.

## Google BigQuery V2 Connector

This release includes the following enhancements for Google BigQuery V2 Connector:

- You can create a target table with clustered columns at run time.
- You can configure the threshold number of errors in a mapping task. The mapping continues to run until the number of errors reaches the set threshold value, then it fails.
- You can enable sorted input in a cached Lookup transformation to enhance the lookup performance.
- You can add a label in a mapping to filter the associated jobs in the Google Log Explorer.
- You can configure views in a mapping in the following scenarios:
  - Within a Lookup transformation.
  - Within a Source transformation with staging optimization enabled.

## IMS Connector

This release includes the following enhancements for IMS Connector:

- When you define a connection, you can specify one or more connection overrides in the **Custom Properties** field, such as `$UserPass="User Name=jdoe;Password=mypassword"`.
- You can override source objects through parameterization in mappings. Parameterization enables you to parameterize the number of source objects and object names. In mappings, the new Parameter field appears on the **Source > Details** tab. Click **New Parameter** next to the field to create a parameter with the new type of multi group data object. This type of parameter can define a set of source object groups, one group per object. You can then map the group names to target transformations.

## IMS CDC Connector

You can set a user-defined parameter in the **Custom Properties** connection property that allows you to specify connection property overrides through a parameter file.

## JDBC V2 Connector

You can use a JDBC V2 connection to read data from Salesforce Data Cloud.

## Kafka Connector

You can configure the polling interval value in the source advanced properties. The polling interval determines how long the agent waits to retrieve records from the Kafka broker.

## Microsoft Azure Cosmos DB SQL API Connector

When you write data in bulk to Microsoft Azure Cosmos DB SQL API, you can set the mapping to throttle throughput of low priority requests and prioritize higher priority requests.

## Microsoft Azure Synapse SQL Connector

This release includes the following enhancements for Microsoft Azure Synapse SQL Connector:

- **SQL ELT optimization enhancement**  
When you run a mapping enabled for SQL ELT optimization and the mapping contains multiple pipelines, you can define the flow run order when you want Data Integration to load the targets from the pipelines in a particular order.
- When you run a mapping that reads from and writes to Microsoft Azure Synapse SQL, you can override the schema name that the Secure Agent uses to create external tables for staging data files.
- You can use the ISNULL or ISNOTNULL operators when you define a source filter or an uncached lookup condition.
- You can push the IS\_DATE() function to process in Microsoft Azure Synapse SQL.

## Microsoft Fabric Data Warehouse Connector

This release includes the following enhancements for Microsoft Fabric Data Warehouse Connector:

- You can use custom queries to read data from Microsoft Fabric Data Warehouse source objects.
- You can configure a connection and mapping in one environment and then migrate and run the mapping in another environment.
- You can determine the behavior of a task that encounters errors while executing pre-SQL or post-SQL commands.
- You can perform delete and data driven operations when you write to a Microsoft Fabric Data Warehouse target.
- You can truncate the target data before inserting the data to a Microsoft Fabric Data Warehouse target.

## Microsoft Fabric Lakehouse Connector

This release includes the following enhancements for Microsoft Fabric Lakehouse Connector:

- You can configure a connection and mapping in one environment and then migrate and run the mapping in another environment.
- You can use custom queries to read data from Microsoft Fabric Lakehouse source objects.

## Microsoft Fabric OneLake Connector

This release includes the following enhancements for Microsoft Fabric OneLake Connector:

- You can read files from directories and sub-directories.
- You can use wildcard characters to specify the source files and source directory names.
- You can configure an authenticated or unauthenticated proxy server to connect to Microsoft Fabric OneLake.
- You can read data from semi-structured or unstructured source files in a mapping in advanced mode.
- You can append data to an existing file in Microsoft Fabric OneLake.

## Microsoft SQL Server Connector

This release includes the following enhancements for Microsoft SQL Server Connector:

- You can run Microsoft SQL Server mappings using the upgraded JDBC driver version 6.0.0.001282 or ODBC driver version 08.02.1500.
- You can configure the connection timeout value for test connection while creating a Microsoft SQL Server connection.



## Microsoft SQL Server CDC Connector

You can set a user-defined parameter in the **Custom Properties** connection property that allows you to specify connection property overrides through a parameter file.

## MySQL Connector

You can configure the connection timeout value for test connection while creating a MySQL connection.

## MySQL CDC Connector

You can set a user-defined parameter in the **Custom Properties** connection property that allows you to specify connection property overrides through a parameter file.

## ODBC Connector

This release includes the following enhancements for ODBC Connector:

- You can read from or write data to Sybase ASE databases.
- You can use Kerberos authentication to connect to SSL-enabled Sybase ASE databases.

## Oracle Cloud Object Storage Connector

You can read and write Gzip-compressed flat files.

## Oracle CDC V2 Connector

You can set a user-defined parameter in the **Custom Properties** connection property that allows you to specify connection property overrides through a parameter file.

## Oracle Connector

This release includes the following enhancements for Oracle Connector:

- You can run Oracle mappings using the upgraded JDBC driver version 6.0.0.001165 or ODBC driver version 08.02.3072.
- You can configure the connection timeout value for test connection while creating an Oracle connection.

## PostgreSQL Connector

You can use Kerberos authentication to connect to PostgreSQL databases.

## PostgreSQL CDC Connector

You can set a user-defined parameter in the **Custom Properties** connection property that allows you to specify connection property overrides through a parameter file.

## Salesforce Connector

You can use version 59.0 and 60.0 of Salesforce API to create a Salesforce connection and access Salesforce objects.

## SAP HANA Connector

You can read from SAP HANA external views that are created by SAP BW CompositeProviders in the SAP system.

## SAP HANA CDC Connector

You can set a user-defined parameter in the **Custom Properties** connection property that allows you to specify connection property overrides through a parameter file.

## Sequential File Connector

This release includes the following enhancements for Sequential File Connector:

- When you define a connection, you can specify one or more connection overrides in the **Custom Properties** field, such as `$UserPass="User Name=jdoe;Password=mypassword"`.
- You can override source objects through parameterization in mappings. Parameterization enables you to parameterize the number of source objects and object names. In mappings, the new **Parameter** field appears on the **Source > Details** tab. Click **New Parameter** next to the field to create a parameter with the new type of multi group data object. This type of parameter can define a set of source object groups, one group per object. You can then map the group names to target transformations.

## Snowflake Data Cloud Connector

This release includes the following enhancements for Snowflake Data Cloud Connector:

- **Mapping in SQL ELT mode enhancements**
  - You can preview data for individual transformations to validate the mapping logic. You can also preview data from fields that contain primitive and hierarchical data types.
  - You can preview the SQL queries at design time.
  - When you configure multiple targets, you can view statistics for each target separately in the job details page.
  - You can push a few data generation, encryption, string and binary, and numeric functions to Snowflake. For the list of supported functions, see the Snowflake Data Cloud Connector documentation.
- When you run a mapping enabled for SQL ELT optimization and the mapping contains multiple pipelines, you can define the flow run order when you want Data Integration to load the targets from the pipelines in a particular order.
- You can set the default column value for the return field in a Lookup transformation in a Snowflake mapping. This feature does not apply to mappings in advanced mode.
- You can override the `query_tag` parameter that is defined in the Snowflake connection in a mapping task. This feature does not apply to mappings in advanced mode.
- You can remove the leading and trailing white spaces from strings when you write to a target. You can also convert fields that contain only spaces into empty strings and write them as Null values to a target. This feature does not apply to mappings in advanced mode.
- You can read from Apache Iceberg tables that are managed by Snowflake or any external catalog, and write to Apache Iceberg tables that are managed by Snowflake.

**Preview Notice:** Reading from Apache Iceberg tables that are managed by Snowflake or any external catalog, and writing to Apache Iceberg tables that are managed by Snowflake is available for preview. Preview functionality is supported for evaluation purposes but is unwarranted and is not supported in production environments or any environment that you plan to push to production. Informatica intends to include the preview functionality in an upcoming release for production use, but might choose not to in accordance with changing market or technical circumstances. Note that if you are working on a preview POD, all data is excluded from SOC 2 compliance coverage. For more information, contact Informatica Global Customer Support.

## Tableau V3 Connector

You can configure a personal access token authentication to connect to Tableau Server or Tableau Online.

## VSAM Connector

This release includes the following enhancements for VSAM Connector:

- When you define a connection, you can specify one or more connection overrides in the **Custom Properties** field, such as `$UserPass="User Name=jdoe;Password=mypassword"`.
- You can override source objects through parameterization in mappings. Parameterization enables you to parameterize the number of source objects and object names. In mappings, the new **Parameter** field appears on the **Source > Details** tab. Click **New Parameter** next to the field to create a parameter with the new type of multi group data object. This type of parameter can define a set of source object groups, one group per object. You can then map the group names to target transformations. .

## VSAM CDC Connector

You can set a user-defined parameter in the **Custom Properties** connection property that allows you to specify connection property overrides through a parameter file.

## Changed behavior

This release includes changes in behavior for the following connectors.

### Amazon Redshift V2 Connector

When you configure a mapping enabled for full SQL ELT optimization and define a simple filter on a column of Super data type, the mapping fails.

Previously, the mapping ran with full SQL ELT optimization. However, zero records were written to target.

### Google BigQuery V2 Connector

Effective in this release, Google BigQuery V2 Connector includes the following changes in behavior:

- In an existing mapping task configured with the **Stop on errors** advanced session property, the value is honored. The mapping continues to run until the number of errors reaches the set threshold value, then it fails.  
Previously, the mapping failed at the first occurrence of an error, regardless of the value set for the **Stop on errors** advanced session property.
- If you enabled `-DENABLE_NULL_FLAG_FOR_UNCACHED_LOOKUP=true` property in the JVM options of the Secure Agent and have an existing mapping with the following scenarios, the mapping fetches correct data in the first row of the table:

- Configured an uncached Lookup transformation to read from Google BigQuery.
- Lookup transformation input contains null data in the first row.

Previously, the mapping fetched incorrect data in the first row of the table.

- If you enabled `-DENABLE_SORTED_INPUT_FOR_LKP=true` property in the JVM options of the Secure Agent and have an existing mapping with the following scenarios, the mapping fails:
  - Staging is not selected as the read mode.
  - The **Sorted Input** property is selected and the **Use EXPORT DATA Statement to stage** property is not selected in the lookup advanced properties.

Previously, the mapping ran successfully.

- When a Google BigQuery table is imported as a single object source in Staging mode using CSV format, and the backend schema in Google BigQuery is modified by rearranging the columns, the mapping correctly writes the data to the corresponding columns in the target table.  
Previously, the mapping either failed to run or corrupted the data in the target table.

## Microsoft Azure Synapse SQL Connector

Effective in this release, Microsoft Azure Synapse SQL Connector includes the following change in behavior:

- When you choose a storage type in the connection properties, the mapping shows the properties relevant to that storage type in both the source and target properties, simplifying the user experience. Previously, all storage properties were displayed.
- The mapping displays the advanced runtime properties only if the configured runtime environment is up and running. If you have configured a Secure Agent group, then the mapping displays the advanced runtime properties if at least one agent in the Secure Agent group is up and running. Previously, the mapping displayed the advanced runtime properties irrespective of the runtime environment status.
- If you configure an uncached Lookup transformation to look up data from a Microsoft Azure Synapse SQL source, where the source data of the string data type contains empty values, the uncached lookup query condition uses the correct values from the lookup object. Previously, the uncached lookup query condition used incorrect values from the lookup object.

## Microsoft SQL Server Connector

Effective in this release, if you use the latest DataDirect driver and use SSL encryption, the OpenSSL version 3.0 is used by default.

Previously, the default version was OpenSSL 1.1.1.

If you want to use an earlier version of OpenSSL, add the following property in the **Runtime Advanced Connection Properties** field:

```
AllowedOpenSSLVersions=<OpenSSL_version>
```

## Oracle Connector

Effective in this release, if you use the latest DataDirect driver and use SSL encryption, the OpenSSL version 3.0 is used by default.

Previously, the default version was OpenSSL 1.1.1.

If you want to use an earlier version of OpenSSL, add the following property in the **Runtime Advanced Connection Properties** field:

```
AllowedOpenSSLVersions=<OpenSSL_version>
```

## Snowflake Data Cloud Connector

Effective in this release, when you configure a mapping enabled for full SQL ELT optimization and specify a temporary key column that contains the Binary data type in the **Update Column** field for the target, the mapping runs successfully with full SQL ELT optimization.

Previously, the mapping ran without SQL ELT optimization.

# Upgrade

The following topics provide information about tasks that you might need to perform before or after an upgrade of Informatica Intelligent Cloud Services Data Integration. Post-upgrade tasks for previous monthly releases are also included in case you haven't performed these tasks after the previous upgrade.

## Preparing for the upgrade

Perform the following tasks to prepare for upgrade to the April 2024 release.

### Disk space requirements and file preparation

The Secure Agent upgrades the first time that you access Informatica Intelligent Cloud Services after the upgrade.

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
```

**Note:** After a major release upgrade, the old and new versions of the services might continue to run concurrently for up to 24 hours. Ensure that the Secure Agent machine has sufficient free memory to avoid memory depletion during this period.

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.  
The machine must have at least 5 GB free space or the amount of disk space calculated using the following formula, whichever is greater:

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

2. Close all applications and open files to avoid file lock issues, for example:
  - Windows Explorer
  - Notepad
  - Windows Command Processor (`cmd.exe`)

### Dynamic files in preprocessing commands

Data Integration refreshes mapping and task metadata during an upgrade. If you have a task that uses preprocessing commands to create a dynamic file, ensure that a file with the referenced file name is present at the specified file path before the first task run after the upgrade.

If a file isn't present, Data Integration can't map the metadata between the preprocessing command and the referenced file, and the task fails. After the first task run, Data Integration retains the file path.

## Post-upgrade tasks for the February 2024 release

Perform the following tasks after your organization is upgraded to the February 2024 release.

### Hive Connector

The Informatica Hive third-party script and the Informatica Hive third-party properties files for Hive Connector include updates in the third-party JAR names for the Azure HDInsight 4.0 distribution.

After the upgrade, if you are using the Azure HDInsight 4.0 distribution for Hive Connector, your existing Hive mappings fail.

Before you run existing mappings, run the Informatica Hive third-party script and download the required Azure HDInsight 4.0 distribution files that are available as part of the Hive Connector package in the Secure Agent installation directory. Then, restart the Secure Agent.

For more information about the tasks that you need to perform, see the *Hive Connector* documentation.

## CHAPTER 12

# Data Profiling

The April 2024 release of Informatica Intelligent Cloud Services<sup>SM</sup> Data Profiling includes the following updates.

## New features and enhancements

This release of Informatica Intelligent Cloud Services<sup>SM</sup> Data Profiling includes the following new features and enhancements.

### New UI experience

The Data Profiling user interface has a new look and feel that presents the features you'll use in greater clarity.

The Data Profiling user interface includes the following additional updates:

- The **My Jobs** page displays Data Profiling jobs only. Previously, the page displayed Data Profiling jobs and Data Integration jobs.
- When you open a Data Quality asset from Data Profiling, the asset opens in a new browser tab. Previously, the asset opened within the Data Profiling tab.

### EC2 Instance Profile authentication for Amazon Athena

You can now use the EC2 Instance Profile authentication mechanism to connect to an Amazon Athena connection.

### Databricks Delta source profiling objects on a Data Integration Server

You can run profiling tasks on a Data Integration Server in addition to an advanced cluster. The Data Integration Server uses the Databricks Delta connector to read Databricks Delta source objects. The Data Integration Server is the default runtime execution method for Databricks Delta source objects.

Previously, you ran profiling tasks exclusively on an advanced cluster.

To run a profile, you can choose between the Advanced Mode and the regular mode. Once you save a profile, the "Run in Advanced Mode" option gets disabled for the profile, and you cannot enable it back for the profile.

# CHAPTER 13

## Data Quality

The April 2024 release of Informatica Intelligent Cloud Services™ Data Quality includes the following updates.

### New features and enhancements

Data Quality includes the following new features and enhancements.

#### New UI experience

The Data Quality user interface has a new look and feel that presents the features you'll use in greater clarity.

The new interface includes the following changes:

- For cleanse, deduplicate, parse, and labeler assets and for rule specification assets in advanced mode, the **Clear Data** option in the test panel is replaced by the **Delete** icon.
- The **Definition** tab of a Data Quality asset displays the **Asset References** panel the first time you save the asset.
- For cleanse, labeler, parse, rule specification, and verifier assets, the **Save** and **Validation** options are no longer present in the Actions menu.
- For deduplicate assets, the **Save** option is no longer present in the Actions menu.
- For rule specification assets, the **Manage Inputs** option is no longer present in the Actions menu.

#### Asset test operations with parent-organization Secure Agents in a sub-organization

When you run a test in a Data Quality asset in a sub-organization, you can select a Secure Agent from the parent organization.

You can also run a test in a Data Quality asset with a parent-organization Secure Agent when you log in to a parent organization and switch to a sub-organization.

#### Asset test operations in a serverless runtime environment on Microsoft Azure

You can test Data Quality assets in a serverless runtime environment on Informatica Intelligent Cloud Services pods that run on Microsoft Azure.

# Changed behavior

Data Quality includes the following changed behavior.

## Data Quality asset validation

For cleanse, deduplicate, parse, and labeler assets, Data Quality no longer provides a general validation option. Instead, Data Quality provides validation messages at the feature and property levels.

Previously, the assets included a general validation option.

## Rule Specification assets

The **Switch to Advanced** option on the asset toolbar is renamed to **Convert to Advanced**.



## CHAPTER 14

# Data Validation

The April 2024 release of Informatica Intelligent Cloud Services<sup>SM</sup> Data Validation includes the following updates.

## New features and enhancements

Data Validation includes the following new features and enhancements in this release:

### [Support for ODBC connections with the DB2 subtype](#)

Data Validation supports ODBC connections with the DB2 subtype. You can create test cases for DB2 tables and views using an ODBC connection with the DB2 subtype.

For more information about ODBC connections with the DB2 subtype, see *Introducing Data Validation*.

### [Support for Databricks Delta endpoints in an AWS environment](#)

Data Validation supports Databricks Delta endpoints deployed in an AWS environment. You can create test cases for Databricks Delta objects deployed in an AWS environment.

For more information about Databricks Delta connections, see *Introducing Data Validation*.

# CHAPTER 15

## Mass Ingestion

The April 2024 release of Informatica Intelligent Cloud Services<sup>SM</sup> Mass Ingestion service includes the following updates.

### New features and enhancements

Read about new features and enhancements in the April 2024 Mass Ingestion release.

#### Common

The April 2024 release of Informatica Intelligent Cloud Services Mass Ingestion service includes the following new features that are common to application ingestion and database ingestion tasks.

##### [Amazon Aurora PostgreSQL targets with Oracle and Salesforce sources](#)

You can use Amazon Aurora PostgreSQL targets in database ingestion jobs that have an Oracle source or in application ingestion jobs that have a Salesforce source. To connect to the Aurora PostgreSQL target, use the PostgreSQL connector.

Previously, you could use Amazon Aurora PostgreSQL as a target only in database ingestion jobs that had a Db2 for i source.

##### [Microsoft Fabric OneLake targets in initial load jobs](#)

You can now use Microsoft Fabric OneLake as a target for application ingestion and database ingestion initial load jobs.

To connect to a Microsoft Fabric OneLake target, use the **Microsoft Fabric OneLake** connector.

##### [Support for Unity Catalog and personal staging locations in Databricks Delta target connections](#)

Mass Ingestion now supports Databricks Delta Unity Catalog and personal staging locations for application ingestion and database ingestion tasks of any load type. When you define a Databricks Delta target connection for a task, you can specify a catalog in the Unity Catalog metastore and indicate whether to use a personal staging location.

In the connection properties, specify the name of the catalog in the **Catalog Name** field. The catalog name is appended to the **SQL Warehouse JDBC URL** value for a data warehouse. The catalog, which contains schemas, is the first layer in the Unity Catalog hierarchy for organizing data assets. Databricks Delta recommends using Unity Catalog to administer data access policies and permissions, capture audit logs that record data access, capture lineage information on data assets, and query account data.

If you use Unity Catalog and want to stage data internally in Databricks Delta instead of using an Azure or AWS staging environment, you can select **Personal Staging Location** in the **Staging Environment** connection property. The Parquet data files for application ingestion or database ingestion jobs can then be staged to a local personal storage location, which has a data retention period of 7 days. If you use Unity Catalog, a personal storage location is automatically provisioned. Personal staging locations do not support Databricks Delta unmanaged tables, which are stored externally.

## Mass Ingestion Applications

The April 2024 release of Mass Ingestion Applications includes the following new features and enhancements:

### [Audit apply mode for Google BigQuery and Oracle targets with SAP sources](#)

For application ingestion incremental load and combined initial and incremental load jobs with Google BigQuery and Oracle targets, you can configure Audit apply mode, instead of using the Standard apply mode, for tasks to write a row for each DML operation on a source table to the generated target table. You can optionally add columns that contain metadata about the changes to the target table.

This feature is useful when you need an audit trail of changes to perform downstream processing on the data before writing it to the target database or when you need to examine the metadata for the changes. The target tables with the audit information can't have constraints other than indexes.

### [Ability to select Salesforce source fields for data replication](#)

If you use rules to select Salesforce source objects when defining an application ingestion task, you can individually reselect or clear the fields in each of the selected objects from which to replicate data. Previously, all of the fields were selected and could not be cleared. This feature allows you to replicate only the data you need, thereby reducing the amount of data to be replicated and the replication cost and overhead.

Mass Ingestion Applications provides two new resync options, Resync (refresh) and Resync (retain), that you can use, instead of the existing Resync command, to resynchronize the target with the Salesforce source. The options either refresh the target to match the current structure of the source or retain the existing source and table structure that has been used for CDC.

## Mass Ingestion Databases

The April 2024 release of Mass Ingestion Databases includes the following new features and enhancements:

### [Query-based CDC support for database ingestion jobs with Db2 for LUW sources](#)

You can now use the query-based CDC method for database ingestion incremental load and combined initial and incremental load tasks that have Db2 for LUW sources and Snowflake targets. This method captures inserts and updates from the source tables by querying a timestamp column that is updated when a change occurs. When you define an incremental load or combined load task on the **Source** page in the task wizard, the **CDC Method** field is automatically set to **Query-based**. You must enter the query column name and set the column type to Timestamp. The **Include LOBs** option is not supported.

Previously, for jobs with Db2 for LUW sources, only the initial load type was supported and the query-based CDC method was not available.

### ["Add Last Replicated Time" metadata column records the timestamp of the last DML operation applied to a Microsoft Azure Synapse Analytics or SQL Server target table](#)

For application ingestion and database ingestion jobs that have a Microsoft Azure Synapse Analytics or SQL Server target and use any load type, you can add a metadata column to the target tables that records the date and time at which the last DML operation was applied to the target table. To add the column, select the **Add**

**Last Replicated Time** check box in the **Advanced** section on the **Target** page of the task wizard. You can optionally add a prefix to the name of the metadata column to easily identify it and to prevent conflicts with the names of existing columns.

## Mass Ingestion Streaming

The April 2024 release of Mass Ingestion Streaming includes the following new feature and enhancement:

### Cloud-hosted Bitbucket repositories

You can use the cloud-hosted Atlassian Bitbucket repository for source-controlled Mass Ingestion Streaming assets.

## Changed behavior

The April 2024 release of Mass Ingestion includes the following changed behaviors.

### Data type mapping for an SAP source and an Oracle target

When you configure an application ingestion task with an SAP source and an Oracle target, the CHAR data type of an SAP source is mapped to the VARCHAR2 data type of an Oracle target.

Previously, the CHAR data type of an SAP source was mapped to the CHAR data type of an Oracle target.

### Default mapping of DATETIME and TIMESTAMP columns for a MySQL source and a SQL Server target

MySQL source DATETIME and TIMESTAMP columns that were previously mapped to a SQL Server DATETIME target column are now mapped to the SQL Server DATETIME2 column. This change was made to allow the whole range of source data to be correctly replicated to the target.

If you create and deploy a new task for an existing target table that contains a SQL Server DATETIME column, the table will be dropped and recreated. The table will not be dropped if an existing job is resumed or redeployed.

To avoid dropping an existing table, change the SQL Server DATETIME column to DATETIME2 column on the target side using the ALTER TABLE command.

### Mass Ingestion sends a product tag to Databricks Delta when connecting to the target

When Mass Ingestion connects to a Databricks Delta target during an application ingestion or database ingestion job, it sends a special INFA\_CMI\_DATABRICKS tag as a key=value pair appended to the JDBC URL. Databricks Delta can use the tag to detect Informatica queries for data loading and to analyze Informatica consumption. On the Databricks Delta dashboard, the tag appears in the **Query Source** field.

## CHAPTER 16

# MDM - Customer 360 SaaS

Informatica Intelligent Cloud Services<sup>SM</sup> MDM - Customer 360 SaaS includes the following updates.

## Important notices

The April 2024 release includes the following important notice:

### Preview lifted

Effective in the April 2024 release, the following functionalities are production ready:

- You can view the report data of custom reports instantly without the need to publish them. The report data appears in report tables after you apply the configured dimensions and measures. For more information about viewing the report data of custom reports instantly without publishing them, see *Manage Reports*.
- You can create custom reports that enable you to drill down into your report data. These interactive reports use multiple dimensions to provide additional levels of detail in your data. Additionally, you can drill down into custom charts associated with your drill-down reports. For more information about drill-down reports, see *Manage Reports*.
- Override the trust score of fields within field groups. The trust score of the selected field value is set to the highest value.

Previously, you couldn't override the trust score of a field within a field group.

For more information about overriding values of a master record, see *Override survivorship*.

Previously, these functionalities were only available for preview.

## New features and enhancements

The April 2024 release includes the following new features and enhancements:

### New UI experience

The Customer 360 SaaS user interface has a new look and feel that allows you to visualize and interact with data in greater clarity. You can use the new experience and also switch back to the classic experience without losing functionality. Informatica intends to drop support for the classic experience in the October 2024 release.

For information about enabling the new experience, see *Enabling the new visual experience*.

## List view

If you enabled the new visual experience, you can select List view or Grid view on the Workflow Inbox page.

In the List view, you can view the list of workflow tasks along with the task summary and task details. The List view is available only in the new visual experience.

In the Grid view, you can view the list of workflow tasks in table form. The task summary and task details appear in another page when you click the name of the task.

For more information about the List view and Grid view, see [Review Tasks](#).

## Report data

You can now view report data of custom reports instantly without publishing. You can apply the configured dimensions and measures of custom reports and view the report data instantly in the report tables.

You can also export the report data of custom reports to a CSV file. You can then use the CSV file for in-depth analysis by using an analytical application.

For more information about reports, see *Manage Reports*.

## Drill-down reports

You can now create custom reports that enable you to drill down into your report data. Drill-down reports are interactive and provide additional levels of detail by using multiple dimensions. You can also drill down into custom charts associated with your drill-down reports.

For more information about drill-down reports, see *Manage Reports*.

# Changed behavior

The April 2024 release includes the following changed behavior:

## Report schedules

You no longer need to create schedules to publish reports. The report data appears instantly without the need to publish them. The existing reports that use schedules continue to get published based on the schedules associated with them. You can't edit the schedules of existing reports.

Previously, you could create schedules to publish reports.

For more information about creating custom reports and viewing the report data without creating schedules, see *Manage Reports*.

## Custom reports

You can edit an existing custom report only if the fields that the report uses are set to be reportable. To verify whether the fields are set to be reportable, contact your administrator.

Previously, you could edit any custom reports as the reportable property wasn't available.

For more information about editing custom reports, see *Manage Reports*.

## Enhanced search with Business ID

When you search for records with the business ID, the search results now include records that contain the searched record as related record. For example, you can use the business ID of an organization record to

search for all the person records that relate to the organization record through the business entity record field.

Previously, the search results displayed only the record that matches the specified business ID.

For more information about searching records, see *Finding records*.

## Source Records page

On the Source Records page, a patch record associated with a record for which you edit field values within a field group has the edited field values highlighted. Trust scores appear for the updated fields only.

Previously, on the Source Records page, if you edited a field value within a field group, the entire field group was highlighted in the patch record associated with that record. Also, trust scores appeared for all the fields within a field group, which didn't provide a clear view of the updated field values.

The following image shows the Source Records page with a patch record:

	MDM000000VUH5C John Snow	MDM000000VUH5C John Snow Source System: Informatica Customer 360	MDM000000VUOV4 Source System: Informatica Customer 360
> System Fields			
> Match Pair Details			
> General Information			
> Phone (1)			
> Tax Details (1)			
Field Group ID	cd9b071b4282...	cd9b071b42824b1aa299d3b7bd6defc4	cd9b071b42824b1aa299d3b7bd6defc4
Tax Number T... : Social Security ...		Social Security Number	100
Tax Number	56789	56789	100
Tax Authority	HM Revenue a...	HM Revenue and Customs	100
Tax Paid	1800	1200	1800 100
Taxpayer Type	Individual	Individual	100
Currency	Australia Dollar	Australia Dollar	100
Country	Australia	Australia	100

For more information about editing records, see *Editing records*.

## Trust score

You can now override the trust score of fields within field groups. The trust score of the selected field value is set to the highest value.

Previously, you couldn't override the trust score of a field within a field group.

For more information about overriding values of a master record, see *Override survivorship*.

## CHAPTER 17

# MDM - Product 360 SaaS

Informatica Intelligent Cloud Services<sup>SM</sup> MDM - Product 360 SaaS includes the following updates.

## Important notices

The April 2024 release includes the following important notice:

### Preview lifted

Effective in the April 2024 release, the following functionalities are production ready:

- You can view the report data of custom reports instantly without the need to publish them. The report data appears in report tables after you apply the configured dimensions and measures. For more information about viewing the report data of custom reports instantly without publishing them, see *Manage Reports*.
- You can create custom reports that enable you to drill down into your report data. These interactive reports use multiple dimensions to provide additional levels of detail in your data. Additionally, you can drill down into custom charts associated with your drill-down reports. For more information about drill-down reports, see *Manage Reports*.
- Override the trust score of fields within field groups. The trust score of the selected field value is set to the highest value.  
Previously, you couldn't override the trust score of a field within a field group.

For more information about overriding values of a master record, see *Override survivorship*.

Previously, these functionalities were only available for preview.

## New features and enhancements

The April 2024 release includes the following new features and enhancements:

### New UI experience

The MDM - Product 360 SaaS user interface has a new look and feel that allows you to visualize and interact with data in greater clarity. You can use the new experience and also switch back to the classic experience without losing functionality. Informatica intends to drop support for the classic experience in the October 2024 release.

For information about enabling the new experience, see *Enabling the new visual experience*.



## List view

If you enabled the new visual experience, you can select List view or Grid view on the Workflow Inbox page.

In the List view, you can view the list of workflow tasks along with the task summary and task details. The List view is available only in the new visual experience.

In the Grid view, you can view the list of workflow tasks in table form. The task summary and task details appear in another page when you click the name of the task.

For more information about the List view and Grid view, see [Review Tasks](#).

## Report data

You can now view report data of custom reports instantly without publishing. You can apply the configured dimensions and measures of custom reports and view the report data instantly in the report tables.

You can also export the report data of custom reports to a CSV file. You can then use the CSV file for in-depth analysis by using an analytical application.

For more information about reports, see *Manage Reports*.

## Drill-down reports

You can now create custom reports that enable you to drill down into your report data. Drill-down reports are interactive and provide additional levels of detail by using multiple dimensions. You can also drill down into custom charts associated with your drill-down reports.

For more information about drill-down reports, see *Manage Reports*.

# Changed behavior

The April 2024 release includes the following changed behavior:

## Report schedules

You no longer need to create schedules to publish reports. The report data appears instantly without the need to publish them. The existing reports that use schedules continue to get published based on the schedules associated with them. You can't edit the schedules of existing reports.

Previously, you could create schedules to publish reports.

For more information about creating custom reports and viewing the report data without creating schedules, see *Creating custom reports*.

## Custom reports

You can edit an existing custom report only if the fields that the report uses are set to be reportable. To verify whether the fields are set to be reportable, contact your administrator.

Previously, you could edit any custom reports as the reportable property wasn't available.

For more information about editing custom reports, see *Editing reports*.

## Enhanced search with Business ID

When you search for records with the business ID, the search results now include records that contain the searched record as related record. For example, you can use the business ID of an organization record to

search for all the person records that relate to the organization record through the business entity record field.

Previously, the search results displayed only the record that matches the specified business ID.

For more information about searching records, see *Finding records*.

### Source record page

On the Source Records page, a patch record associated with a record for which you edit field values within a field group has the edited field values highlighted. Trust scores appear for the updated fields only.

Previously, on the Source Records page, if you edited a field value within a field group, the entire field group was highlighted in the patch record associated with that record. Also, trust scores appeared for all the fields within a field group, which didn't provide a clear view of the updated field values.

The following image shows the Source Records page with a patch record:

	MDM000000VUH5C John Snow	MDM000000VUH5C John Snow Source System: Informatica Customer 360	MDM000000VUOV4 Source System: Informatica Customer 360
> System Fields			
> Match Pair Details			
> General Information			
> Phone (1)			
> Tax Details (1)			
Field Group ID	cd9b071b4282...	cd9b071b42824b1aa299d3b7bd6defc4	cd9b071b42824b1aa299d3b7bd6defc4
Tax Number T... : Social Security ...		Social Security Number	100
Tax Number	56789	56789	100
Tax Authority	HM Revenue a...	HM Revenue and Customs	100
Tax Paid	1800	1200	1800 100
Taxpayer Type	Individual	Individual	100
Currency	Australia Dollar	Australia Dollar	100
Country	Australia	Australia	100

For more information about editing records, see *Editing records*.

### Trust score

You can now override the trust score of fields within field groups. The trust score of the selected field value is set to the highest value.

Previously, you couldn't override the trust score of a field within a field group.

For more information about overriding values of a master record, see *Override survivorship*.

# CHAPTER 18

## MDM - Reference 360

Informatica Intelligent Cloud Services<sup>SM</sup> MDM - Reference 360 includes the following updates.

### New features and enhancements

The April 2024 release includes the following new features and enhancements.

Watch the [What's New](#) video to learn about the new features and enhancements in the April 2024 release.

#### [Enable an approval workflow on import through API](#)

You can now enable an approval workflow for a code list or crosswalk when you import code values or value mappings through the import version 2 REST API. The code list or crosswalk appears locked for other users until the workflow is complete.

For more information about enabling an approval workflow for a code list or crosswalk, see *Configuring workflows*.

#### [REST API](#)

The Reference 360 REST API includes the following enhanced resource:

##### **import version 2**

The import version 2 REST API triggers an approval workflow when you enable workflow for a code list or crosswalk. The REST API includes the following additional parameters:

- priority
- dueDate
- comments

For more information about the import version 2 REST API to import code values and value mappings, see *Import code values* and *Import value mappings*.

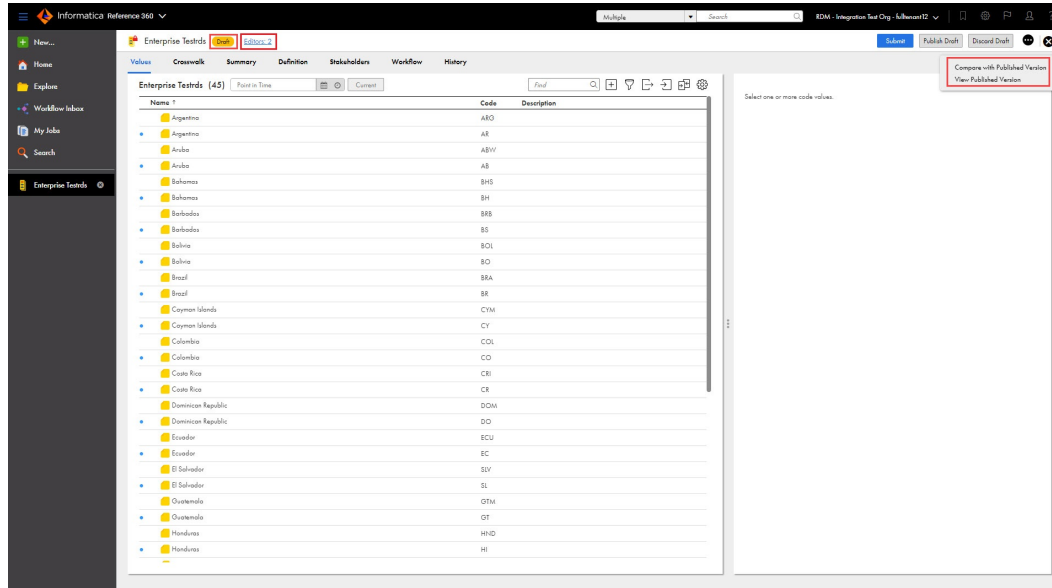
# Changed behavior

The April 2024 release includes the following changed behaviors.

## User interface

Reference 360 displays the number of users whose changes aren't published yet for assets, and the status of code lists, crosswalks, and hierarchies beside the asset name in the header. The **Compare with Published Version** and **View Published Version** options appear in the **Actions** menu.

The following image shows a sample code list in the draft state:



Previously, Reference 360 displayed the status of assets, and the **Compare with Published Version** and **View Published Version** options in a subheader.

## Code lists and crosswalks deletion

When you delete a code list or crosswalk, Reference 360 displays details of dependent assets that exist in Business 360 Console. You can delete the code list or crosswalk only if it doesn't have any dependent assets. You can delete the following types of assets after you remove the dependencies:

- Default code lists that are used as reference data for the picklist fields in Business 360 Console.
- Custom code lists that are associated with source systems in Business 360 Console.
- Crosswalks that contain relationships between default code lists that are published and custom code lists associated with source systems in Business 360 Console.
- Crosswalks that are part of a taskflow that the reference data import and export jobs use.

**Note:** You can't delete code lists associated with reference data that's published in Business 360 Console.

Previously, Reference 360 didn't display the details of the dependent assets and also allowed you to delete code lists associated with reference data that's published in Business 360 Console.

For more information about deleting code lists and crosswalks, see *Deleting code lists* and *Deleting crosswalks*.

## CHAPTER 19

# MDM - Supplier 360 SaaS

Informatica Intelligent Cloud Services<sup>SM</sup> MDM - Supplier 360 SaaS includes the following updates.

## Important notices

The April 2024 release includes the following important notice:

### Preview lifted

Effective in the April 2024 release, the following functionalities are production ready:

- You can view the report data of custom reports instantly without the need to publish them. The report data appears in report tables after you apply the configured dimensions and measures. For more information about viewing the report data of custom reports instantly without publishing them, see *Manage Reports*.
- You can create custom reports that enable you to drill down into your report data. These interactive reports use multiple dimensions to provide additional levels of detail in your data. Additionally, you can drill down into custom charts associated with your drill-down reports. For more information about drill-down reports, see *Manage Reports*.
- Override the trust score of fields within field groups. The trust score of the selected field value is set to the highest value.  
Previously, you couldn't override the trust score of a field within a field group.

For more information about overriding values of a master record, see *Override survivorship*.

Previously, these functionalities were only available for preview.

## New features and enhancements

The April 2024 release includes the following new features and enhancements:

### New UI experience

The Supplier 360 SaaS user interface has a new look and feel that allows you to visualize and interact with data in greater clarity. You can use the new experience and also switch back to the classic experience without losing functionality. Informatica intends to drop support for the classic experience in the October 2024 release.

For information about enabling the new experience, see *Enabling the new visual experience*.

## List view

If you enabled the new visual experience, you can select List view or Grid view on the Workflow Inbox page.

In the List view, you can view the list of workflow tasks along with the task summary and task details. The List view is available only in the new visual experience.

In the Grid view, you can view the list of workflow tasks in table form. The task summary and task details appear in another page when you click the name of the task.

For more information about the List view and Grid view, see [Review Tasks](#).

## Report data

You can now view report data of custom reports instantly without publishing. You can apply the configured dimensions and measures of custom reports and view the report data instantly in the report tables.

You can also export the report data of custom reports to a CSV file. You can then use the CSV file for in-depth analysis by using an analytical application.

For more information about reports, see *Manage Reports*.

## Drill-down reports

You can now create custom reports that enable you to drill down into your report data. Drill-down reports are interactive and provide additional levels of detail by using multiple dimensions. You can also drill down into custom charts associated with your drill-down reports.

For more information about drill-down reports, see *Manage Reports*.

# Changed behavior

The April 2024 release includes the following changed behavior:

## Report schedules

You no longer need to create schedules to publish reports. The report data appears instantly without the need to publish them. The existing reports that use schedules continue to get published based on the schedules associated with them. You can't edit the schedules of existing reports.

Previously, you could create schedules to publish reports.

For more information about creating custom reports and viewing the report data without creating schedules, see *Creating custom reports*.

## Custom reports

You can edit an existing custom report only if the fields that the report uses are set to be reportable. To verify whether the fields are set to be reportable, contact your administrator.

Previously, you could edit any custom reports as the reportable property wasn't available.

For more information about editing custom reports, see *Editing reports*.

## Enhanced search with Business ID

When you search for records with the business ID, the search results now include records that contain the searched record as related record. For example, you can use the business ID of an organization record to

search for all the person records that relate to the organization record through the business entity record field.

Previously, the search results displayed only the record that matches the specified business ID.

For more information about searching records, see *Finding records*.

## Source Records page

On the Source Records page, a patch record associated with a record for which you edit field values within a field group has the edited field values highlighted. Trust scores appear for the updated fields only.

Previously, on the Source Records page, if you edited a field value within a field group, the entire field group was highlighted in the patch record associated with that record. Also, trust scores appeared for all the fields within a field group, which didn't provide a clear view of the updated field values.

The following image shows the Source Records page with a patch record:

	MDM000000VUH5C John Snow	MDM000000VUH5C John Snow Source System: Informatica Customer 360	MDM000000VUOV4 Source System: Informatica Customer 360
> System Fields			
> Match Pair Details			
> General Information			
> Phone (1)			
> Tax Details (1)			
Field Group ID	cd9b071b4282...	cd9b071b42824b1aa299d3b7bd6defc4	cd9b071b42824b1aa299d3b7bd6defc4
Tax Number T... : Social Security ...		Social Security Number	100
Tax Number	56789	56789	100
Tax Authority	HM Revenue a...	HM Revenue and Customs	100
Tax Paid	1800	1200	1800 100
Taxpayer Type	Individual	Individual	100
Currency	Australia Dollar	Australia Dollar	100
Country	Australia	Australia	100

For more information about editing records, see *Editing records*.

## Trust score

You can now override the trust score of fields within field groups. The trust score of the selected field value is set to the highest value.

Previously, you couldn't override the trust score of a field within a field group.

For more information about overriding values of a master record, see *Override survivorship*.

# CHAPTER 20

## Monitor

The April 2024 release of Informatica Intelligent Cloud Services<sup>SM</sup> Monitor includes the following updates.

### New features and enhancements

The April 2024 release of Informatica Intelligent Cloud Services Monitor contains the following new features.

#### [New UI experience](#)

The Monitor user interface has a new look and feel that presents the features you'll use in greater clarity.

#### [Affected rows](#)

Monitor displays the number of affected rows for each target in a data transfer task and in a mapping task or dynamic mapping task that isn't based on an advanced mapping.

For more information about affected rows and job details, see *Monitor*.



## CHAPTER 21

# Multidomain MDM SaaS

Informatica Intelligent Cloud Services<sup>SM</sup> Multidomain MDM SaaS includes the following updates.

## Important notices

The April 2024 release includes the following important notice:

### Preview lifted

Effective in the April 2024 release, the following functionalities are production ready:

- You can view the report data of custom reports instantly without the need to publish them. The report data appears in report tables after you apply the configured dimensions and measures. For more information about viewing the report data of custom reports instantly without publishing them, see *Manage Reports*.
- You can create custom reports that enable you to drill down into your report data. These interactive reports use multiple dimensions to provide additional levels of detail in your data. Additionally, you can drill down into custom charts associated with your drill-down reports. For more information about drill-down reports, see *Manage Reports*.
- Override the trust score of fields within field groups. The trust score of the selected field value is set to the highest value.  
Previously, you couldn't override the trust score of a field within a field group.

For more information about overriding values of a master record, see *Override survivorship*.

Previously, these functionalities were only available for preview.

## New features and enhancements

The April 2024 release includes the following new features and enhancements:

### New UI experience

The Multidomain MDM SaaS user interface has a new look and feel that allows you to visualize and interact with data in greater clarity. You can use the new experience and also switch back to the classic experience without losing functionality. Informatica intends to drop support for the classic experience in the October 2024 release.

For information about enabling the new experience, see *Enabling the new visual experience*.

## List view

If you enabled the new visual experience, you can select List view or Grid view on the Workflow Inbox page.

In the List view, you can view the list of workflow tasks along with the task summary and task details. The List view is available only in the new visual experience.

In the Grid view, you can view the list of workflow tasks in table form. The task summary and task details appear in another page when you click the name of the task.

For more information about the List view and Grid view, see [Review Tasks](#).

## Report data

You can now view report data of custom reports instantly without publishing. You can apply the configured dimensions and measures of custom reports and view the report data instantly in the report tables.

You can also export the report data of custom reports to a CSV file. You can then use the CSV file for in-depth analysis by using an analytical application.

For more information about reports, see *Manage Reports*.

## Drill-down reports

You can now create custom reports that enable you to drill down into your report data. Drill-down reports are interactive and provide additional levels of detail by using multiple dimensions. You can also drill down into custom charts associated with your drill-down reports.

For more information about drill-down reports, see *Manage Reports*.

# Changed behavior

The April 2024 release includes the following changed behavior:

## Report schedules

You no longer need to create schedules to publish reports. The report data appears instantly without the need to publish them. The existing reports that use schedules continue to get published based on the schedules associated with them. You can't edit the schedules of existing reports.

Previously, you could create schedules to publish reports.

For more information about creating custom reports and viewing the report data without creating schedules, see *Creating custom reports*.

## Custom reports

You can edit an existing custom report only if the fields that the report uses are set to be reportable. To verify whether the fields are set to be reportable, contact your administrator.

Previously, you could edit any custom reports as the reportable property wasn't available.

For more information about editing custom reports, see *Editing reports*.

## Enhanced search with Business ID

When you search for records with the business ID, the search results now include records that contain the searched record as related record. For example, you can use the business ID of an organization record to

search for all the person records that relate to the organization record through the business entity record field.

Previously, the search results displayed only the record that matches the specified business ID.

For more information about searching records, see *Finding records*.

## Source Records page

On the Source Records page, a patch record associated with a record for which you edit field values within a field group has the edited field values highlighted. Trust scores appear for the updated fields only.

Previously, on the Source Records page, if you edited a field value within a field group, the entire field group was highlighted in the patch record associated with that record. Also, trust scores appeared for all the fields within a field group, which didn't provide a clear view of the updated field values.

The following image shows the Source Records page with a patch record:

	MDM000000VUH5C John Snow	MDM000000VUH5C John Snow Source System: Informatica Customer 360	MDM000000VUOV4 Source System: Informatica Customer 360
> System Fields			
> Match Pair Details			
> General Information			
> Phone (1)			
> Tax Details (1)			
Field Group ID	cd9b071b4282...	cd9b071b42824b1aa299d3b7bd6defc4	cd9b071b42824b1aa299d3b7bd6defc4
Tax Number T... : Social Security ...		Social Security Number	100
Tax Number	56789	56789	100
Tax Authority	HM Revenue a...	HM Revenue and Customs	100
Tax Paid	1800	1200	1800 100
Taxpayer Type	Individual	Individual	100
Currency	Australia Dollar	Australia Dollar	100
Country	Australia	Australia	100

For more information about editing records, see *Editing records*.

## Trust score

You can now override the trust score of fields within field groups. The trust score of the selected field value is set to the highest value.

Previously, you couldn't override the trust score of a field within a field group.

For more information about overriding values of a master record, see *Override survivorship*.

## CHAPTER 22

# Operational Insights

Informatica Intelligent Cloud Services<sup>SM</sup> Operational Insights includes the following updates.

## Post-upgrade tasks for the April 2024 release

Perform the following task after your organization is upgraded to the April 2024 release.

### Re-create success alerts

For success alerts configured for Data Integration jobs before the upgrade, Operational Insights continues to send notifications after you disable the alerts. After the upgrade, re-create your success alerts so that Operational Insights does not continue to send notifications after you disable them.

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