Informatica® Informatica Cloud Services
October 2024

What's New

Informatica Informatica Cloud Services What's New
October 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 October 2024 release. You can also learn about upgrade steps that you might need to perform.

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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.

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Informatica Intelligent Cloud Services web site

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Access the Informatica Intelligent Cloud Services Community at:

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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.

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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℠ includes new features, enhancements, and changed behaviors.

The following services include updates in the October 2024 release:

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

Additionally, the October 2024 release includes updates to connectors that you can use in one or more services.

CHAPTER 2

API Center

The October 2024 release of API Center includes the following updates.

New features and enhancements

The October 2024 release of API Center includes the following new features and enhancements.

Unpublish an API

You can unpublish an API that was published using a top-down approach or a bottom-up approach. You can also unpublish a custom API or any API published through an Application Integration process. If you no longer need a published API, you can unpublish the API and permanently delete the unpublished API from API Center.
The API that you want to unpublish must not contain any managed API in created, active, shared, deprecated, or inactive state.

Unpublishing an API doesn't impact any API group.

For more information, see *Manage APIs*.

Cross-origin Resource Sharing (CORS) policy

You can define a cross-origin resource sharing (CORS) policy and associate the CORS policy with a CORS group. You can specify the allowed origins, HTTP methods, and headers that require CORS support.

CORS support helps API providers to control the invoking of the managed APIs and managed API groups.

For more information, see *API Policies*.

Changed behaviors

The October 2024 release of API Center includes the following changed behaviors.

Dynamically update the path parameter and query parameter values of a custom managed API

When you create and activate a custom managed API, you can choose to dynamically change the path parameter and query parameter values.

Previously, you could provide an absolute URL for each path parameter or query parameter. Thus, you had to create multiple custom APIs with the same URL with different path parameters and query parameters.

For more information, see *Manage APIs*.

CHAPTER 3

Administrator

The October 2024 release of Administrator includes the following updates.

Important notices

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

Deprecation initiated

The following functionality is currently deprecated:

- 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 this 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 October 2024 release of Administrator includes the following new features and enhancements.

Notifications

Use the **Notifications** page to view and manage notifications from the past 30 days. You can also set up email notifications in your user settings.

REST API

Metering resources

You can use the ExportMeteringData REST API resource to export summary metering data, usage data by project, and usage data by asset.

Successful and failed rows in the REST API activity log

When you use the activityLog REST API resource to get logs for a mapping task or dynamic mapping task that is based on a mapping in advanced mode, the response shows the successful and failed rows for each source and target in an advanced cluster subtask.

Successful and failed rows are available with certain connectors. For more information, see the help for the appropriate connector.

For more information, see *REST API Reference*.

UI availability during deployment window

The user interface for Administrator will be partially available during the deployment window.

For more information, see the KB article October 2024 UI availability for Administrator and Monitor.

Changed behavior

The October 2024 release of Administrator includes the following changed behavior.

Enhanced SSO log in

When you click a link to log in using single sign-on (SSO), you now have the option to log in using a user name and password or your organization ID.

Previously, the organization ID was required to log in using SSO.

Note: The initial login still requires an organization ID, but the administrator can add users to the appropriate user groups through the SAML configuration in Administrator to enable user name and password even with the initial login.

Serverless runtime environments in AWS

For serverless runtime environments on AWS, you must manually create and configure AWS resources in your VPC.

Previously, Informatica provided an AWS CloudFormation template for you to create a serverless runtime environment.

For more information about serverless runtime environments, see *Runtime Environments*.

Using the agent REST API resource to get Secure Agent service status

When you use the agent REST API resource to request details about the services that run on your organization's Secure Agents, the response includes the agentEngineStatus object by default.

If you want the response to also include the agentEngineConfigs object, add `?onlyStatus=false` to the request. For example, the following request returns the agentEngineStatus and agentEngineConfigs objects for the specified Secure Agent:

```
GET /runtime/api/v2/agent/details/<agent ID>?onlyStatus=false
```

Previously, the response included the agentEngineStatus and agentEngineConfigs objects by default.

For more information about the agent resource, see *REST API Reference*.

CHAPTER 4

Application Integration

The October 2024 release of Application Integration includes the following updates.

New features and enhancements

The October 2024 release of Application Integration includes the following new features and enhancements:

New recipes

Application Integration provides the following new recipes:

Azure OpenAI Chat with File using Guide

Use the recipe to upload a file with context, provide a user prompt, read the text from the file, and answer the user's questions based on the contents of the file using the Azure OpenAI Large Language Model (LLM).

Azure OpenAI Chat with History

Use the recipe to maintain chat history in a file and use it as context for the next user query and the large language model's (LLM) response.

Azure OpenAI Prompt Chaining

Use the recipe to design prompt chains and provide the desired responses from a Large Language Model (LLM).

Create NetSuite Sales Orders from Dynamics 365 Opportunities

Use the recipe to create a NetSuite sales order from a Dynamics 365 opportunity based on a webhook request from Dynamics 365.

Loan Processing with Azure OpenAI

Use the recipe to evaluate a loan request and approve or reject it based on the applicant's credit score.

Natural Language Interaction with Oracle Select AI

Use the recipe to query Oracle Autonomous Database 23ai using the Select AI natural language interface.

Synchronize Dynamics 365 Contacts with Marketo Leads

When a contact is created or updated in Dynamics 365, the process is triggered, and the contact details are synchronized with a Marketo lead.

Synchronize Salesforce Leads with Marketo Leads

When a lead is created or updated in Salesforce, a Salesforce Change Data Capture event triggers the process, and the lead details are synchronized with a Marketo lead.

New Coupa Connector

Coupa Connector performs CRUD operations, such as create, read, update, patch and delete, on existing resources in Coupa. You can use Coupa Connector to securely read data from Coupa.

You can use the Coupa Connector for procurement management, expense management, invoicing, spend analytics, and supplier management.

For more information, see *Coupa Connector Guide*.

New actions in Amazon Bedrock Connector

Amazon Bedrock Connector supports the following new actions:

- Associate Agent Knowledge Base
- Create Agent
- Create Agent Action Group
- Create Agent Alias
- Create Data Source
- Create Knowledge Base
- Get List Ingestion Jobs
- Prepare Agent
- Start Ingestion Job
- Update Agent

For more information, see *Amazon Bedrock Connector Guide*.

Create a service connector from a Postman collection

You can import a Postman collection to create a service connector using REST APIs with multiple operations. The Postman collection must define the structure of the APIs so that the service connector can inherit the APIs' operations and data structures.

Support for new connections on the Cloud Server

Application Integration provides the following new connectors:

- **Salesforce Streaming Event Connector**. Use this connector to facilitate streaming of Salesforce platform events, such as PushTopic events, generic events, platform events, and Change Data Capture events.
- **Azure Service Bus Connector**. Use this connector to connect to Azure Service Bus, which is a fully managed enterprise message broker between message queues and topics.

For more information, see the corresponding connector guides.

New password type in the input, output, and temporary fields

You can add an input field, output field, and temporary field of the Password type in the steps of a guide. Use the Password type when you want to mask the entered characters at run time for improved security.

For more information, see *Design*.

New process management APIs for deployed processes

You can use the new process management APIs to perform various functions on processes.

You can use the APIs to perform the following tasks:

- List all the processes that run on the Cloud Server or a Secure Agent
- List all the processes that run on the Cloud Server or a Secure Agent using a run ID
- List all the processes that run on the Cloud Server or a Secure Agent using basic or advanced filters
- Suspend a process that run on the Cloud Server or a Secure Agent
- Resume a process on the Cloud Server or a Secure Agent
- Terminate a process that is run on the Cloud Server or a Secure Agent

For more information, see *Design*.

New field to configure connection timeout in service connectors

When you create a service connector, you can configure the timeout duration in seconds after which the service request gets timed out with an error message. A request timeout defines the maximum duration a client is expected to wait for a response from the server after a successful connection has been established.

For more information, see *Design*.

Support for custom-based time zone settings for scheduled jobs

In Application Integration Console, you can schedule a job to run based on a specific time zone.

For more information, see *Monitor*.

Support for complex expressions in Decision step

In the Decision step of a process, you can create a complex expression using the **Formula** option. You can define a path and set appropriate conditions. You can also evaluate simple and complex expressions directly in the Decision step without any dependency on the previous steps.

With this feature, you can reduce the number of steps in a process. For example, if you want to run a path with an expression, instead of creating an input, output, or temporary field, setting the expression in the Assignment step, and using the field in the Decision step, you can directly use the **Formula** option in the Decision step.

To use the **Formula** option in existing Decision steps of a process, you'll need to modify the steps.

For more information, see *Design*.

Changed behaviors

The October 2024 release of Application Integration includes the following changed behaviors:

Outdated assets not counted in Unpublished Assets of the Home page

The **Unpublished Assets** section under **Asset Summary** on the Application Integration home page does not include the count of outdated assets. This change reduces the time in loading and displaying the asset count.

Previously, the **Unpublished Assets** section included the count of outdated assets.

For more information, see *Getting Started*.

Categorization of SAP BAPI connection properties

The SAP BAPI connection properties are categorized into basic and advanced settings.

- **Basic**. You can provide the user name, password, host name, SAP client number, language code, and the SAP system number in the basic settings.
- **Advanced**. You can provide the SAP additional parameters, configure the JCo trace toggle, and the toggle filter name in the advanced settings.

Previously, the SAP BAPI connection properties included all the property fields in a common section.

For more information, see the *SAP BAPI Connector Guide*.

Upgrade

The following topic provides information about the task that you must perform after you upgrade to the October 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

Business 360 Console

The October 2024 release of Business 360 Console includes the following updates.

Important notices

The October 2024 release of Business 360 Console includes the following important notices.

Preview lifted

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

- Ingress records with validation errors. Ensure that you purge the existing data before data validation is enabled and then ingress records with validation errors. You can open erroneous records using a business application and fix the validation errors in real time.
  For more information about ingressing records, see . *Define Jobs*.
- Egress records with validation errors. You can use the exported data to find the list of fields that contain validation errors. The exported data also contains information, such as the severity of the error and messages associated with the validation errors.
  For more information about egressing records, see . *Define jobs*.
- The response of the source record API includes the validation status of source records, such as pending, pass, and failed.
  For more information about source record API, see *Business 360 REST API Reference*.
- Use the search API to filter search results based on error severity levels and validation statuses.
  For more information about the search match API, see *Business 360 REST API Reference*.

Mandatory section titles

Effective in the April 2025 release, section titles for field components will be mandatory for existing and new pages. Ensure that you add titles to field components when you create or edit a custom page.

Dropped support

- Effective in the October 2024 release, Informatica dropped support for the classic experience in the MDM SaaS business applications. When users log in to the business applications, the new visual experience is enabled by default. Users can't switch back to the classic experience.
- Effective in the October 2024 release, Informatica dropped support for the Taxonomy field group in the HCP business entity of the Customer 360 for Healthcare extension.

  The October 2024 release includes the following changes:

  - The Taxonomy field group and its fields are removed.

- The Taxonomy, Type, and Rank fields in the Qualification field group can be used to add taxonomy code, type, and rank details.

Note: These changes don't impact existing customers because extensions don't support upgrades after you deploy them.

New features and enhancements

The October 2024 release of Business 360 Console includes the following new features and enhancements.

Basic rule associations

You can configure basic rule associations to run even if input fields are empty. MDM SaaS runs basic rule associations on the configured fields even if users don't provide values for these fields.

For more information about configuring basic rule associations, *Configure Data Quality*.

Egress jobs

You can now run egress jobs that use Business 360 FEP Connector to export match pairs. Additionally, when you export master records, you can also export the identifier details of their source records, such as source primary key and source system, by using the xrefLinks field group. You can also export dynamic field definitions and dynamic field values.

For more information about defining an egress job and exporting match pairs, see *Define jobs*.

For more information about creating mappings for exporting match pairs and master records and the identifier details of the associated source records, see *Business 360 FEP Connector* in Data Integration.

Data enrichment

You can now configure rule associations to enrich records with data from external data providers. You can display the data from these data providers as CLAIRE recommendations. Also, you can choose to enrich specific fields of records or classify records within a hierarchy.

For more information about configuring data enrichment, see *Configuring rule associations for data enrichment*.

Validation errors

You can now ingress and egress records with validation errors. When you create a business entity, you can configure the business entity to save records with validation errors. Ensure that you purge the existing data before data validation is enabled and then ingress records with validation errors.

For more information about configuring business entity, see *Define the data model.*

Match and merge jobs

When you define match and merge jobs, you can now skip the group potential matches step. If the declarative rules in the match model uses automated merge strategy, you can skip the step.

For more information about defining match and merge jobs, see *Defining match and merge jobs.*

Business IDs

When you configure a business ID format for business entities, you can now specify an alphanumeric prefix for alphanumeric business IDs and an offset value for numeric business IDs. The newly created business IDs start at the offset value, excluding the prefix. Additionally, after a data purge, you can reuse the business IDs that the purged data used.

For more information about business IDs, see *Identifiers*.

Enhanced Create Match and Merge Job Instance API

In addition to the match and merge option, the Create Match and Merge Job Instance API now allows you the following options:

- Match Only
- Merge Only
- Reset Matched Records

For more information about the Create Match and Merge Job Instance API, see Create Match and Merge Job Instance.*Job instance API*.

Recalculate trust scores

You can now recalculate the trust scores for active master records after you update the survivorship configuration. Use the reprocess master data job to recalculate the trust scores.

For more information about the reprocess master data job, see *Defining reprocess master data jobs*.

New business entity icons

You can now use the new icons when you create or edit custom business entities. The predefined business entities are updated with the new icons. The new icons comply with the Web Content Accessibility Guidelines (WCAG) standards. The existing icons are deprecated. However, you can continue to use them for existing custom business entities.

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

Custom reports

In business applications, you can now generate reports and filter records based on fields that are blank.

For more information about reports based on master records, see *Manage Reports*.

Search enhancements

In business applications, you can now search for and filter records with fields that are blank. You can also search for records with fields that aren't blank or contain values that match the search term.

You can also use the Search REST API to search for records with fields that are blank or those that contain values by using the `IS_MISSING` and `IS_NOT_MISSING` filter comparators in requests.

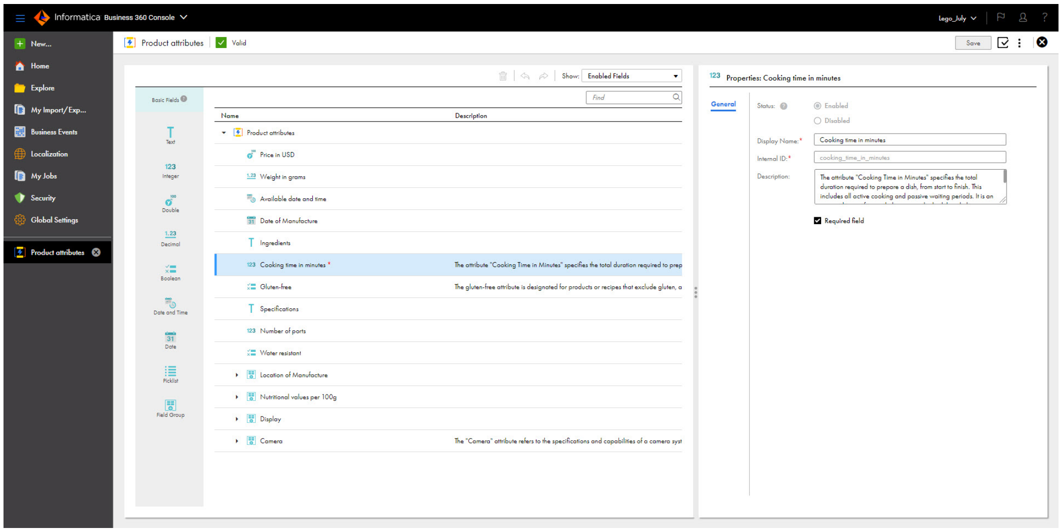
For more information about searching for records in business applications and using the Search REST API, *Manage Records*.*Business 360 REST API Reference*.

For more information about the post-upgrade tasks that you must perform to get additional filter values, see *Post-upgrade tasks for the October 2024 release*.

Dynamic pool

You can now create a dynamic pool in a tree view modeling layout for easier navigation. Use the find box to quickly find fields and modify dynamic fields. Experience faster loading times when you manage numerous fields.

The following image shows the dynamic pool:



For more information about dynamic pools, see *Define the data model*.

REST API

Validation status

The response of the source record API includes the validation status of source records, such as pending, pass, and failed. Use the search API to filter search results based on error severity levels and validation statuses.

For more information about searching for records using the search REST API, see *Business 360 REST API Reference*.

Changed behavior

The October 2024 release includes the following changed behaviors.

Basic rule associations

When you configure basic rule associations with functions, such as maximum length, minimum length, maximum precision, and maximum decimal scale, MDM SaaS doesn't apply basic rule associations if fields contain null or negative values. Additionally, MDM SaaS doesn't apply basic rule associations with functions, such as maximum value, minimum value, data range, regular match, if input fields associated with the rule condition are null.

Previously, MDM SaaS applied basic rule associations with these functions even if fields contained null or negative values or input fields were null.

For more information about configuring basic rule associations, see *Configure Data Quality*.

Match and merge job

A match and merge job now excludes reverse match pairs to prevent the export of a large number of match pairs. For example, if records A and B form a match pair and records B and A form another match pair, the job excludes the pair with the lower score.

Previously, a match and merge job included all match pairs that were generated.

Create Match and Merge Job Instance API

The Create Match and Merge Job Instance API now retrieves the business entity details directly from the job definition, eliminating the need for the businessEntity parameter in the request body. If you include the parameter in the request body, the API ignores the parameter and processes the request.

Previously, you had to specify the businessEntity parameter in the request body.

For more information about the Create Match and Merge Job Instance API, see *Job instance API*.

Build and organization versions

You can now view the latest build and organization versions of all licensed business applications in the user interface.

Previously, you could view only the latest build and organization versions of Customer 360 SaaS even though you had licenses to other business applications.

Workflow approval task

When a custom user role with approver privileges is denied access to certain records based on a data access rule condition, users who are assigned this custom user role can't view approval tasks. If users create, update, delete, merge, or unmerge records and submit them for approval in business applications, the approvers can't view approval tasks in the workflow inbox in business applications.

Previously, approvers could view approval tasks even if their user role was restricted from accessing records based on a data access rule condition.

For more information about assigning privileges to custom user roles, see
Data access rules on workflow approval tasks.*Manage User Roles and Privileges*.

Asset migration

You can import MDM SaaS assets only if the org versions in the import file and the target organization match. Before you migrate MDM SaaS assets, ensure that both source and target organizations are upgraded to the October 2024 build version. If you use any extensions, migrate the extension assets between organizations that are upgraded to the October 2024 build version.

Note: If the source and target organizations are on different PODs, ensure that you migrate assets after both the PODs are upgraded to the October 2024 build version.

Previously, Informatica recommended migrating assets between organizations with the same org version as a best practice. However, there were no restrictions on importing assets from the source and target organizations that have different org versions.

For more information about importing assets, see *Importing assets*.

Record and field privileges

Record and field privileges include the following changes:

- The merge option now appears on the search results and record details pages if users have the merge privilege.
  Previously, users required create and merge permissions for the merge option to appear on record details and search results pages.
- The unmerge option now appears on the search results and record details pages if users have the unmerge privilege.
  Previously, users required read, merge, and unmerge permissions for the unmerge option to appear on the record details page.

- Users now require the merge, unmerge, delete, or restore privilege for the corresponding options to appear on the record details page.
  Previously, users didn't require these privileges for the options to appear on the record details page. However, error messages appeared when users performed those actions.
- Users with custom user roles can add or update field values even without having the read privilege for those fields.
  Previously, users with custom user roles required the read privilege to add or update field values.
- If you don't have the read privilege for a field, you can view the field but not its value.
  Previously, without the read privilege you couldn't view the field or its value.

For more information about assigning record and field privileges to custom user roles, see *Manage User Roles and Privileges*.

Search REST API

When you use the `NOT_EQUALS` filter comparator in the request, the response doesn't return records based on fields that contain blank or null values.

To search for records with fields that contain blank or null values, use the `IS_MISSING` filter comparator in the request.

For more information about searching for records using the Search REST API, see *Business 360 REST API Reference*.

Customer 360 for Healthcare

You can now use the Qualification field group of the HCP business entity to add taxonomy details, such as taxonomy code, type, and rank.

The Customer 360 for Healthcare extension doesn't use the Specialization field group which is a predefined field group of Customer 360.

Previously, you could use the Taxonomy field group in the HCP business entity for taxonomy details.

Note: These changes don't impact existing customers because extensions don't support upgrades after you deploy them.

For more information about the Customer 360 for Healthcare extension, see *Customer 360 for Healthcare*.

Post-upgrade tasks for the October 2024 release

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

Reindex records to view filter values

To get additional filter values, Blank, Not Blank, and Is in business applications, ensure that you reindex the records of business entities.

To reindex records of business entities, run the generate search and report indexes or match keys job.

For more information about the generate search indexes or match keys job, see *Define Jobs*.

Import the process for the reprocess master data job

You need the predefined Cloud Application Integration process, `MDMProcessMasterData`, to recalculate the trust scores of the active and deleted master records.

To reprocess master data, ensure that you perform the following tasks after the organization is upgraded:

1. *Modify permissions for organizations in the July 2024* .
2. *Import the process to reprocess master data*.
3. *Get the artifact ID of the process*.
4. *Modify permissions and create a user for reprocessing master data*.
5. *Publish the process for reprocessing master data*.

Modify permissions for the existing process

If you don't have the `MDMProcessMasterData` process in your organization, you can start by importing the process to reprocess master data. For more information about importing the process to reprocess master data, see *Import the process to reprocess master data*.

If you have the `MDMProcessMasterData` process from the July 2024 release, you need to get the latest process file that supports processing active and deleted records. Before you get the latest file, remove the read-only access to the process so that you can overwrite the existing file with the latest file.

To set the update permissions, use the UpdateACL API and submit a POST request.

To submit a POST request, use the following URI with the session ID of the administrator who manages the organization:

```
<baseApiUrl>/frs/v1/UpdateACL
```

When you submit a POST request to set the update permissions, you require the `artifactId` of the process. To get the `artifactId` of the process, see *Get the artifact ID of the process*.

Sample Request

Use the following POST request to set the update permissions of the `MDMProcessMasterData` process:

```
POST https://use4-mdm.dm-us.informaticacloud.com/frs/v1/UpdateACL
IDS-SESSION-ID: XXXXXXXXXXXXXXXXXXXXXX
Content-Type: application/json
          {
              "artifactId": "9TvdYgWHVOrhUHnMLMCc0z",
               "aces": [
                             {
                               "operation": "CREATE_ACE",
                               "permission": {
                                           "changePermission": true,
                                           "read": true,
                                           "update": true,
                                           "delete": true,
                                            "execute": true
                                                      },
                               "idsInfo": {
                                          "id": "User ID",
                                           "type": "USER"
                                              }
                              }
                         ]
             }
```

Sample Response

After the POST request to modify the permissions of the `MDMProcessMasterData` process, you get the following response:


```
{
      "@odata.context": "$metadata#BaseEntities",
      "value": [
                        {
                            "guid": "FRS_ID",
                            "code": "FRS_200",
                             "message": "Successfully Updated ACLs"
                         }
                    ]
}
```


Import the process to reprocess master data

To reprocess master data, import the `MDMProcessMasterData` process after you upgrade the organization.

1. To request the `MDMProcessMasterData` process, contact Informatica Global Customer Support.

   After the necessary approvals, you'll receive a ZIP file that contains the `MDMProcessMasterData` process.
2. In Cloud Application Integration, click **Explore**.
3. Navigate to the **Business360** folder.
4. Click **Import**.
5. On the **Import Assets** page, click **Choose File**, and select the ZIP file that contains the `MDMProcessMasterData` process, and click **Open**.
6. Click **Import**.

Get the artifact ID of the process

To modify permissions and create a user to access the `MDMProcessMasterData` process, you require the artifact ID of the process to uniquely identify it.

To get the artifact ID of the process, use the LookupArtifactsDetailsByPath API and submit a POST request with the following URI:

```
POST <baseApiURL>/frs/api/v1/LookupArtifactsDetailsByPath
```

Sample Request

Use the following POST request to get the artifact ID of the `MDMProcessMasterData` process:

```
POST https://use4.dm-us.informaticacloud.com/frs/api/v1/LookupArtifactsDetailsByPath
IDS-SESSION-ID: XXXXXXXXXXXXXXXXXXXXXX
Content-Type: application/json
{
    "lookupParamPath": [
        {
            "name": "MDMProcessMasterData",
            "type": "PROCESS",
            "location": [
                {
                    "type": "Space",
                    "name": "REG"
                },
                {
                    "name": "Business360",
                    "type": "Project"
                }
            ]
```

```
        }
    ]
}
```

Sample Response

The sample response shows the HTTP 200 OK response code and gets the artifact ID of the `MDMProcessMasterData` process. The response shows the artifact ID as `9TvdYgWHVOrhUHnMLMCc0z` in the `artifact` section.


```
{
    "@odata.context": "$metadata#BaseEntities",
    "value": [
        {
            "orgId": "4MEN7vwklj8biicae7QiKX",
            "status": {
                "code": "FRS_200",
                "message": ""
            },
            "tags": [],
            "artifact": {
                "@odata.type": "#OData.frs.Document",
                "id": "9TvdYgWHVOrhUHnMLMCc0z",
                "name": "MDMProcessMasterData",
                "description": "",
                "owner": "2UQOrM7xtu1euGYkYlBeOr",
                "createdBy": "2UQOrM7xtu1euGYkYlBeOr",
                "lastUpdatedBy": "2UQOrM7xtu1euGYkYlBeOr",
                "lastAccessedBy": "2UQOrM7xtu1euGYkYlBeOr",
                "createdTime": "2024-07-25T04:01:13Z",
                "lastUpdatedTime": "2024-08-01T11:29:30Z",
                "lastAccessedTime": "2024-08-01T11:29:30Z",
                "expiresBy": "2038-01-18T00:00:00Z",
                "parentInfo": [
                    {
                        "parentId": "7cCn5thwWFLhiZoSosphKL",
                        "parentName": "REG",
                        "parentType": "Space"
                    },
                    {
                        "parentId": "0XuRGcy4SdyehONacV75yq",
                        "parentName": "Business360",
                        "parentType": "Project"
                    }
                ],
                "documentType": "PROCESS",
                "contentType": "application/json; charset=utf-8",
                "documentState": "VALID",
                "aclRule": "org",
                "subcontainerCount": 0,
                "customAttributes": {
                    "stringAttrs": [
                        {
                            "name": "publishedBy",
                            "value": "Delta_Apr4Adm"
                        },
                        {
                            "name": "SubType",
                            "value": ""
                        },
                        {
                            "name": "binding",
                            "value": "rest"
                        },
                        {
                            "name": "ReferencedPublishingAllowed",
                            "value": "true"
                        },
                        {
```

```
                            "name": "APIName",
                            "value": "MDMProcessMasterData"
                        },
                        {
                            "name": "publicationStatus",
                            "value": "published"
                        }
                    ],
                    "numberAttrs": [],
                    "dateAttrs": [
                        {
                            "name": "publicationDate",
                            "value": "2024-08-01T11:29:39Z"
                        }
                    ]
                },
                "repoInfo": {
                    "repoParams": [],
                    "repoPath": null,
                    "repoHandle": "tf2VR4109cjIw8j-
gt-3576941-2024-07-25T04:01:13.177Z::pd.xml",
                    "frsPath": null
                },
                "isSourceControlled": false,
                "checkedOutById": null
            },
            "docRef": null
        }
    ]
}
```

Modify permissions and create a user for reprocessing master data

After you import the `MDMProcessMasterData` process, set the process to read only so that users can't modify it. Also, create a user to access the `MDMProcessMasterData` process.

To set the read-only permission for the process and to create a user for the process, use the UpdateACL API and submit a POST request. To submit a POST request, use the following URI with the session ID of the administrator who manages the organization:

```
<baseApiUrl>/frs/v1/UpdateACL
```

Sample Request

Use the following POST request to modify the permissions of the `MDMProcessMasterData` process to read only:

```
POST https://use4-mdm.dm-us.informaticacloud.com/frs/v1/UpdateACL
IDS-SESSION-ID: XXXXXXXXXXXXXXXXXXXXXX
Content-Type: application/json
{
    "artifactId": "9TvdYgWHVOrhUHnMLMCc0z",
    "aces": [
        {
            "operation": "CREATE_ACE",
            "permission": {
                "changePermission": true,
                "read": true,
                "update": false,
                "delete": false,
                "execute": true
            },
            "idsInfo": {
                "id": "Organization ID",
                "type": "ORG"
            }
```

```
        }
    ]
}
```

Use the following POST request to create a user to access the `MDMProcessMasterData` process:

```
POST https://use4-mdm.dm-us.informaticacloud.com/frs/v1/UpdateACL
IDS-SESSION-ID: XXXXXXXXXXXXXXXXXXXXXX
Content-Type: application/json
{
    "artifactId": "9TvdYgWHVOrhUHnMLMCc0z",
    "aces": [
        {
            "operation": "CREATE_ACE",
            "permission": {
                "changePermission": true,
                "read": true,
                "update": true,
                "delete": true,
                "execute": true
            },
            "idsInfo": {
                "id": "USER ID",
                "type": "USER"
            }
        }
    ]
}
```

Sample Response

After the POST requests to modify the permissions of the `MDMProcessMasterData` process and create a user to access the `MDMProcessMasterData` process are successful, you get the following response:

```
{
    "@odata.context": "$metadata#BaseEntities",
    "value": [
        {
            "guid": "FRS_ID",
            "code": "FRS_200",
            "message": "Successfully Updated ACLs"
        }
    ]
}
```

Publish the process for reprocessing master data

After you modify permissions and create a user for the `MDMProcessMasterData` process, publish the process to invoke or run it.

1. In Cloud Application Integration, click **Explore**.
2. Navigate to the **Business360** folder.
3. Select the **MDMProcessMasterData** process, and click **Actions**.
4. Click **Publish**.

Match and export data

To match external data with master data without importing the external data, the match process requires match keys for master records. You can generate match keys for master records by using a generate search indexes or match keys job. Additionally, you need the predefined Cloud Application Integration process, `MDMExternalMatch`, to match and export data.

To match external data, ensure that you perform the following tasks after you upgrade your organization:

1. Generate match keys for master records by using a generate search indexes or match keys job.
2. Import the `MDMExternalMatch` process to your organization.
3. Get the artifact ID of the `MDMExternalMatch` process.
4. Modify permissions and create a user for the `MDMExternalMatch` process.
5. Publish the `MDMExternalMatch` process.

Step 1. Generate match keys for master records

To match external data with master data, generate match keys for master records by running a generate search indexes or match keys job. The match and export process uses match keys of master records for matching.

For more information about the generate search indexes or match keys job, see Define and run the generate search indexes or match keys job.

Step 2. Import the process for match and export orchestration

MDM SaaS uses the predefined `MDMExternalMatch` process to orchestrate the match and export process. After you upgrade the organization, import the process.

1. To request the `MDMExternalMatch` process, contact Informatica Global Customer Support.

   After the necessary approvals, you'll receive a ZIP file that contains the `MDMExternalMatch` process.
2. In Cloud Application Integration, click **Explore**.
3. Navigate to the **Business360** folder.
4. Click **Import**.
5. On the **Import Assets** page, click **Choose File**, and select the ZIP file that contains the `MDMExternalMatch` process, and click **Open**.
6. Click **Import**.

Step 3. Get the artifact ID of the process

To modify permissions and create a user to access the `MDMExternalMatch` process, you require the artifact ID of the process to uniquely identify it.

To get the artifact ID of the process, use the LookupArtifactsDetailsByPath API and submit a POST request with the following URI:

```
POST <baseApiURL>/frs/api/v1/LookupArtifactsDetailsByPath
```

Sample Requests

Use the following POST request to get the artifact ID of the `MDMExternalMatch` process:

```
POST https://use4.dm-us.informaticacloud.com/frs/api/v1/LookupArtifactsDetailsByPath
IDS-SESSION-ID: XXXXXXXXXXXXXXXXXXXXXX
Content-Type: application/json
{
    "lookupParamPath": [
        {
            "name": "MDMExternalMatch",
            "type": "PROCESS",
```

```
                "location": [
                    {
                        "type": "Space",
                        "name": "REG"
                    },
                    {
                        "name": "Business360",
                        "type": "Project"
                    }
                ]
            }
        ]
    }
```

Sample Response

The sample response shows the HTTP 200 OK response code and contains the artifact ID of the `MDMExternalMatch` process. The response shows the artifact ID as `a7d1raphIOLdjfNVarUJaC` in the `artifact` section.

```
{
  "@odata.context": "$metadata#BaseEntities",
  "value": [
    {
      "orgId": "lkV1tSYJzKYcdNHddSjsWN",
      "status": {
        "code": "FRS_200",
        "message": ""
      },
      "tags": [],
      "artifact": {
        "@odata.type": "#OData.frs.Document",
        "id": "a7d1raphIOLdjfNVarUJaC",
        "name": "MDMExternalMatch",
        "description": "",
        "owner": "dR1G6Qi59OKj6qCYOfWZsA",
        "createdBy": "dR1G6Qi59OKj6qCYOfWZsA",
        "lastUpdatedBy": "dR1G6Qi59OKj6qCYOfWZsA",
        "lastAccessedBy": "dR1G6Qi59OKj6qCYOfWZsA",
        "createdTime": "2024-06-11T09:22:29Z",
        "lastUpdatedTime": "2024-06-11T09:22:29Z",
        "lastAccessedTime": "2024-06-11T09:22:29Z",
        "expiresBy": "2038-01-18T00:00:00Z",
        "parentInfo": [
          {
            "parentId": "7cCn5thwWFLhiZoSosphKL",
            "parentName": "REG",
            "parentType": "Space"
          },
          {
            "parentId": "9Lf4MSeHu5vkk8CS6pTcA2",
            "parentName": "Business360",
            "parentType": "Project"
          }
        ],
        "documentType": "PROCESS",
        "contentType": "application/json; charset=utf-8",
        "documentState": "VALID",
        "aclRule": "org",
        "subcontainerCount": 0,
        "customAttributes": {
          "stringAttrs": [],
          "numberAttrs": [],
          "dateAttrs": []
        },
        "repoInfo": {
          "repoParams": [],
          "repoPath": null,
          "repoHandle": "f2B7O2htghGZ5i4-gt-483987-2024-06-11T09:22:29.093Z::pd.xml",
          "frsPath": null
```

```
            },
            "isSourceControlled": false,
            "checkedOutById": null
        },
        "docRef": null
    }
  ]
}
```

Step 4. Modify permissions and create a user for the match and export orchestration

After you import the `MDMExternalMatch` process, set the process to read only so that users can't modify it. Also, create a user to access the `MDMExternalMatch` process.

To set the read-only permission for the process and to create a user for the process, use the UpdateACL API and submit a POST request. To submit a POST request, use the following URI with the session ID of the administrator who manages the organization:

```
<baseApiUrl>/frs/v1/UpdateACL
```

Sample Requests

Use the following POST request to modify the permissions of the `MDMExternalMatch` process to read only:

```
POST https://use4-mdm.dm-us.informaticacloud.com/frs/v1/UpdateACL
IDS-SESSION-ID: XXXXXXXXXXXXXXXXXXXXXX
Content-Type: application/json
{
    "artifactId": "a7d1raphIOLdjfNVarUJaC",
    "aces": [
        {
            "operation": "CREATE_ACE",
            "permission": {
                "changePermission": true,
                "read": true,
                "update": false,
                "delete": false,
                "execute": true
            },
            "idsInfo": {
                "id": "Organization ID",
                "type": "ORG"
            }
        }
    ]
}
```

Use the following POST request to create a user to access the `MDMExternalMatch` process:

```
POST https://use4-mdm.dm-us.informaticacloud.com/frs/v1/UpdateACL
IDS-SESSION-ID: XXXXXXXXXXXXXXXXXXXXXX
Content-Type: application/json
{
    "artifactId": "a7d1raphIOLdjfNVarUJaC",
    "aces": [
        {
            "operation": "CREATE_ACE",
            "permission": {
                "changePermission": true,
                "read": true,
                "update": true,
                "delete": true,
                "execute": true
            },
            "idsInfo": {
                "id": "3VMH0uFUXQVddwVkjrfJUv",
                "type": "USER"
```

```
            }
        }
    ]
}
```

Sample Response

After the POST requests to modify the permissions of the `MDMExternalMatch` process and create a user to access the `MDMExternalMatch` process are successful, you get the following response:


```
{
    "@odata.context": "$metadata#BaseEntities",
    "value": [
        {
            "guid": "FRS_ID",
            "code": "FRS_200",
            "message": "Successfully Updated ACLs"
        }
    ]
}
```


Step 5. Publish the process for match and export orchestration

After you modify permissions and create a user for the `MDMExternalMatch` process, publish the process to invoke or run it.

1. In Cloud Application Integration, click **Explore**.
2. Navigate to the **Business360** folder.
3. Select the **MDMExternalMatch** process, and click **Actions**.
4. Click **Publish**.

Redeploying advanced data quality rule associations

If any advanced data quality rule associations fail to run, you can redeploy them and run again.

1. Open a business entity.
2. Select an advanced rule association that contains the Dictionary asset.
3. On the **Input and Output Fields** tab, remap input or output fields to a different business entity field, and save the rule association.
4. Edit the rule association to revert the input or output fields to the previous mapping, and save the rule association.
5. Optionally, update a field value on the **Validation** tab.

If the issue persists, contact Informatica Global Customer Support.

CHAPTER 6

Cloud Data Integration for PowerCenter (CDI-PC)

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

Important notices

The October 2024 release of Cloud Data Integration for PowerCenter (CDI-PC) includes the following important notice.

Previews initiated

Effective in October 2024 release, Informatica Developer (the Developer Tool) and the following application services are available for preview:

- Data Integration Service
- Model Repository Service

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.

New features and enhancements

The October 2024 release of Cloud Data Integration for PowerCenter (CDI-PC) includes the following new features and enhancements.

Install or migrate to CDI-PC on AIX machines

You can install CDI-PC on a AIX machine. Run the CDI-PC installer for AIX to create a CDI-PC domain, or join a domain if you are installing on multiple machines. You can also run the installer to migrate an Informatica domain to CDI-PC.

The installer includes the Pre-installation (i10Pi) System Check Tool that you can run to verify whether a system meets the minimum requirements for CDI-PC.

To install CDI-PC on AIX, the Secure Agent can be on Linux and the CDI-PC domain must be on AIX.

For more information, see the *Installation Guide*.

AWS private link

You can use an Amazon Virtual Private Cloud (VPC) to configure a private connection between your VPC and Cloud Data Integration for PowerCenter (CDI-PC) Service using the Amazon Web Services (AWS) Private Link.

For more information about Amazon VPC private link configuration, see the following How-To Library article:

AWS PrivateLink Onboarding Guide for Informatica Intelligent Cloud Services

New asset dialog box for CDI-PC modernization

You can use the **New Asset** dialog box on the CDI-PC home page to create assets. You can create configurations, assessment tasks, workflow conversion tasks, and parameter file conversion tasks using this dialog box.

For information about how to the new asset dialog box, see *PowerCenter Modernization*.

View all assessment and conversion tasks on the Explore page

You can view all the assessment and conversion tasks on the **Explore** page. Use the **All Tasks** option from the drop-down list on the **Explore** page and view all available tasks and assessments. You can filter the tasks based on your requirements for easy navigation.

For information about viewing all tasks, see *PowerCenter Modernization*.

Enhanced SQL query configuration file

You can use the SQL conversion configuration file in a conversion task to provide the converted SQL queries for the targeted endpoint. Use the CONVERT_SQL_QUERY sheet to fetch the SQL details from an assessment and provide the converted SQL queries for the targeted endpoint in the `Xml_Pre_Processing_Configuration.xlsx` file.

For information about viewing all tasks, see *PowerCenter Modernization*.

Enhanced usage of connection map and parameter files

You can use the connection map configurations and parameter files for non-repointing conversion tasks. You can use a connection map configuration in conversion tasks to map the PowerCenter connections to corresponding IDMC connections.

For information about viewing all tasks, see *PowerCenter Modernization*.

Changed behavior

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

Configurations for assessment and conversion

You can create and manage the repoint configuration, connection map, and conversion properties configuration on the **Configurations** tab in the **New Asset** dialog box.

Previously, you could create and manage all the configurations in the **Configurations** page.

For more information, see *PowerCenter Modernization*.

New launch point for creating assessment task, workflow conversion task, and parameter file conversion task

You can create assessment task, workflow conversion task, and parameter file conversion task from the **New Asset** dialog box.

Previously, you could create these tasks from the drop-down list in the **Explore** page.

For more information, see *PowerCenter Modernization*.

CHAPTER 7

Data Access Management

The October 2024 release of Data Access Management includes the following updates.

New features and enhancements

Data Access Management includes the following new features and enhancements in this release.

New user role asset and feature privileges

New user role asset and feature privileges appear in Administrator for use with Data Access Management.

These asset and feature privileges are reserved for future use.

For more information about user assets and features, see *User Administration* in the Administrator help.

Access online help

You can now navigate to the Data Access Management online help from the Data Access Management user interface. To navigate to the online help, click the question mark icon from the top navigation bar.

CHAPTER 8

Data Governance and Catalog

The October 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.

New features and enhancements

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

New catalog sources

This release includes the following new catalog sources:

- Apache HiveQL Script
- Google BigQuery SQL Script

For more information, see the *Apache HiveQL Script* and *Google BigQuery SQL Script* catalog source help.

CHAPTER 9

Data Ingestion and Replication

The October 2024 release of Data Ingestion and Replication, formerly known as Mass Ingestion, includes the following updates.

Important notices

The October 2024 release includes the following important notice.

New wizard for configuring application and database ingestion and replication tasks

A new wizard for configuring application ingestion and replication tasks and database ingestion and replication tasks is available to new uses and to selected organizations on a limited basis. The wizard is designed to provide a simpler, cleaner user interface.

The new interface includes the following benefits:

- You can define a primary cloud data warehouse destination once and have it appear by default when you define a task from the new wizard. At initial release, the new wizard supports only Snowflake as the primary cloud data warehouse destination.
- You have the option of defining new source and target connections within the wizard flow. The wizard provides embedded help to help you set connection properties.
- Optional advanced source and target properties are initially hidden so that you can focus on the required fields first. You can easily expose the advanced properties with a single click.

To get access to the new wizard, contact Informatica Global Customer Support or your Customer Success Manager. An Informatica representative will then contact you with instructions for accessing the new interface.

For a brief tour of the new interface, watch this video.

For access to the documentation for new task configuration wizard, go to this KB.

New features and enhancements

The October 2024 release of Data Ingestion and Replication includes the following new features and enhancements.

Common

The October 2024 release of Data Ingestion and Replication includes the following new features that are common to multiple types of ingestion and replication tasks.

New job metrics command available in the Data Ingestion and Replication Command-Line Interface

The Data Ingestion and Replication Command-Line Interface (CLI) provides a new `job metrics` command to display statistics for a specified job or a subtask of a job. This enhancement is available for application ingestion and replication jobs and database ingestion and replication jobs.

On the job level, the statistics include records read, records written, and capture progress.

On the subtask level, you can display the following statistics:

- Records read and records written for initial load jobs
- Counts of processed inserts, updates, deletes, and LOB changes for incremental and combined load jobs
- The number of records processed and replicated during the initial load phase of combined load jobs

You can use the `-f` field parameter to specify which of these values should be included in the output.

For more information, see the *Data Ingestion and Replication Command-Line Interface*.

Support for Kerberos authentication for Oracle sources and targets

Kerberos authentication is supported for connecting to Oracle sources and targets in database ingestion and replication tasks that use any load type. For CDC sources, it's supported for either the Query-based or Log-based CDC method. It's also supported for connecting to Oracle targets in application ingestion and replication tasks.

When you define an Oracle Database Ingestion connection, select **Kerberos** in the **Authentication Mode** field. You must also perform some prerequisite Kerberos configuration tasks.

For more information, see the Oracle Database Ingestion connection in *Connectors and Connections*.

Database Ingestion and Replication

The October 2024 release of Database Ingestion and Replication includes the following new features and enhancements:

Soft deletes for Google BigQuery targets

Database ingestion and replication incremental load jobs and combined initial and incremental load jobs can now process DML delete operations on the source as soft deletes on Google BigQuery targets. Database Ingestion and Replication marks the soft-deleted records with a "D" in the INFA_OPERATION_TYPE column on the target without actually deleting the records.

For more information, see *Database Ingestion and Replication* > Configuring a database ingestion and replication task > Configuring the target > Google BigQuery target properties.

Support for multiple Oracle log locations for jobs that use BFILE access with directory objects

If you use BFILE access to Oracle data and the data is stored in different log locations, Database Ingestion and Replication can now automatically find the logs by querying for all directory objects that begin with ARCHIVELOG_DIR and ONLINELOG_DIR and end with any *suffix*, for example, ARCHIVELOG_DIR_01, ARCHIVE_LOG_DIR_02, and so on. This feature enables Database Ingestion and Replication to support Oracle standby databases that use log locations different from those on the primary database, replica logs on Amazon RDS database instances, and archive logs in the Fast Recovery Area to which the

USE_DB_RECOVERY_FILE_DEST parameter points. You can override the ARCHIVELOG_DIR and ONLINELOG_DIR names by using the custom properties pwx.cdcreader.oracle.database.additional BFILEARCHIVEDIR=<directory_object> and pwx.cdcreader.oracle.database.additional BFILEONLINEDIR=<directory_object>.

If you grant the CREATE ANY DIRECTORY and DROP ANY DIRECTORY privileges to database users who run database ingestion and replication jobs, the directory objects can be created at runtime, as needed. Database Ingestion and Replication performs no cleanup processing on these generated directory objects.

If you use the USE_DB_RECOVERY_FILE_DEST parameter and the CREATE ANY DIRECTORY and DROP ANY DIRECTORY privileges have *not* been granted, your DBA must create the directory objects daily or weekly, before your database ingestion and replication jobs run, by using a script such as:

```
create or replace directory ARCHIVELOG_DIR_2024_08_19 as '<DB_RECOVERY_FILE_DEST>/
2024_08_19'
```

If you use the USE_DB_RECOVERY_FILE_DEST parameter and the database user has the CREATE ANY DIRECTORY and DROP ANY DIRECTORY privileges, the directory objects are created as needed at runtime and dropped after 14 days. These directory objects have the naming convention <ARCHIVEDIRNAME>_YYYY_MM_DD.

For more information, see *Database Ingestion and Replication* > Database Ingestion and Replication sources > Oracle sources.

Changed behavior

The October 2024 release of Data Ingestion and Replication includes the following changed behaviors.

Optimizing use of source unique indexes when no primary key exists

After the October 2024 upgrade, new application ingestion and replication tasks and database ingestion and replications tasks preferentially use the source primary key when generating Oracle target objects. If a source does not have a primary key but does have unique indexes, the job chooses the best unique index for replication in the following order of priority: 1) the unique index that has only NOT NULL columns, 2) if multiple unique indexes have only NOT NULL columns, the unique index with the least number of columns, or 3) if no source primary key or unique NOT NULL index exists, the unique index with the greatest number of columns.

CHAPTER 10

Data Integration

The October 2024 release of Data Integration includes the following updates.

New features and enhancements

The October 2024 release of Data Integration includes the following new features and enhancements.

Enhanced validation for window functions in mappings in SQL ELT mode

Validation for mappings in SQL ELT mode is enhanced to catch errors related to required attributes in window functions. For example, if you use a window function in an Expression transformation in a mapping that loads data to Snowflake and you forget to enter a value for a required attribute, mapping validation fails. This enhancement helps to prevent the mapping task from failing at runtime.

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

Flat file formatting options

When formatting flat files, you can create headers for data rows.

Hierarchical mappers

Hierarchical mappers include the following new features:

- Add variables to the source and target schemas.
- Use a subtree from the source schema as the target schema.
- Import mapping statements from a CSV file.
- Upload an input file and run a preview of the hierarchical mapper to test the output.

For more information, see *Components*.

Notifications

Use the **Notifications** page to view and manage notifications from the past 30 days. You can also set up email notifications in your user settings.

Pulling mapping tasks and shared sequences

When you pull a mapping task or shared sequence from a source control repository, you can determine how to set in-out parameter values and both non-shared and shared sequence values in existing and new assets.

For more information, see *Asset Management*.

Running mapping tasks

When a mapping task that processes change data from a CDC source is stopped, you have the option to restart it from the beginning of the task or to resume from where it last ended.

For more information, see *Tasks*.

Stored procedure run order

When you call multiple source or target pre- or post-load stored procedures in unconnected SQL transformations in a mapping, you can specify the run order of stored procedures of the same type.

Successful and failed rows in the REST API activity log

When you use the activityLog REST API resource to get logs for a mapping task or dynamic mapping task that is based on a mapping in advanced mode, the response shows the successful and failed rows for each source and target in an advanced cluster subtask.

Successful and failed rows are available with certain connectors. For more information, see the help for the appropriate connector.

For more information, see *REST API Reference*.

Changed behavior

The October 2024 release of Data Integration includes the following changed behavior.

Lookup transformations

When you use a dynamic lookup cache in a mapping or mapplet, you can configure a lookup condition that includes all the lookup fields.

Previously, if the lookup condition contained all the lookup fields, the mapping or mapplet was invalid because lookup fields used in the lookup condition are ignored in the comparison with a dynamic lookup cache.

Mappings in SQL ELT mode

Mappings in SQL ELT mode have the following behavior changes:

Field metadata for sources, targets, and lookups

By default, the Source, Target, and Lookup transformations in a mapping in SQL ELT mode display the native data type, precision, and scale for all fields on the **Fields** tab. You can optionally display the Informatica transformation data type, precision, and scale.

Previously, by default, these transformations displayed the transformation data type, precision, and scale on the **Fields** tab.

Lookups against a target

In mappings in SQL ELT mode, you can configure a Lookup transformation to perform a lookup against a source or target. You can't create a connection or connection parameter directly in a Lookup transformation.

Previously, you could configure a Lookup transformation in a mapping in SQL ELT mode to perform a lookup against a source but not a target.

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

Naming conventions

You can use a double underscore when naming the following assets and objects:

- Connections
- Mappings
- Mapplets
- Sessions
- Taskflows
- Transformations
- Workflows

Additionally, the following assets, fields, source objects, and target objects can now have names of up to 255 characters:

- Business services
- Connections
- Data loader tasks
- Data masking tasks
- Data repository services
- Data synchronization tasks
- Data transfer tasks
- Dynamic mapping tasks
- Fixed-width file formats
- Hierarchical schemas
- Intelligent structure models
- Mappings
- Mappings in SQL ELT mode
- Mapplets
- Organizations
- Saved queries
- Shared sequences
- Source objects
- Swagger files
- Taskflows

Upgrade

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

For information on the upgrade tasks in Data Integration Connectors, see the *Data Integration Connector What's New*.

Preparing for the upgrade

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

Disk space requirements and file preparation

The Secure Agent upgrades the first time that you access the system 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 and memory available for upgrade.

   The machine must have sufficient available memory to run two Secure Agents simulatenously.

   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 May 2024 release

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

Mappings in SQL ELT mode

After the upgrade, mappings in SQL ELT mode that contain sources, targets, or lookup objects with fields of an unsupported data type are marked invalid in the Mapping Designer. If you use a parameterized source, target, or lookup object, mapping tasks based on mappings in SQL ELT mode are also marked invalid if the parameter is resolved with an object that contains fields of an unsupported data type.

For example, if a mapping contains a Snowflake source with a TIMESTAMPTZ column, the mapping is marked invalid because Data Integration has no corresponding transformation data type.

This change is due to enhanced validation to check for unsupported data types at design time.

To make the mapping valid, perform one of the following actions after the upgrade:

- Remove the affected fields from the mapping.
- Select a different object.
- For source and lookup objects, use a custom query to extract the data.

Saxon libraries upgraded to version 10.8

Taskflows use the upgraded version 10.8 of the Saxon libraries. Version 10.8 of the Saxon libraries offers improved security, performance, and scalability. After you upgrade to the May 2024 release, you must republish all the taskflows to use version 10.8 of the Saxon libraries. If you do not republish the taskflows, Data Integration continues to use the earlier version of the Saxon libraries.

For information about the changed behaviors and known issues related to the version upgrade, see the Informatica Knowledge Base article 000205484.

CHAPTER 11

Data Integration Connectors

The October 2024 release of Data Integration includes the following updates for Data Integration Connectors.

The following table lists the new and updated connector packages. The updated packages might include feature enhancements or might address bugs and internal fixes implemented for the release.

Adabas Connector	Elasticsearch Connector	MySQL CDC Connector
Adabas CDC Connector	Eloqua Bulk API Connector	Netezza Connector
Amazon DynamoDB V2 Connector	Google Analytics Connector	Oracle CDC V2 Connector
Amazon Redshift V2 Connector	Google BigQuery V2 Connector	Oracle Cloud Object Storage Connector
Amazon S3 V2 Connector	Google Cloud Storage V2 Connector	PostgreSQL Connector
Box Connector	Greenplum Connector	PostgreSQL CDC Connector
Business 360 Connector	Hadoop Files V2 Connector	Redis Connector
Business 360 Events Connector	IBM MQ Connector	Salesforce Analytics Connector
Business 360 FEP Connector	IDMS Connector	SAP HANA CDC Connector
Cassandra V2 Connector	IDMS CDC Connector	SAP IDoc Reader Connector
Databricks Connector	IMS Connector	SAP IDoc Writer Connector
Datacom Connector	IMS CDC Connector	SAP RFC/BAPI Interface Connector
Datacom CDC Connector	JIRA Connector	SAP Table Connector
Db2 Data Map Connector	Marketo V3 Connector	ServiceNow Connector
Db2 for i Connector	Microsoft Excel Connector	Sequential File Connector
Db2 for i CDC Connector	Microsoft Fabric Data Warehouse Connector	Snowflake Data Cloud Connector
Db2 for LUW CDC Connector	Microsoft Fabric Lakehouse Connector	Teradata Connector
Db2 for z/OS Connector	Microsoft SharePoint Online Connector	VSAM Connector
Db2 for z/OS Unload File Connector	Microsoft SQL Server CDC Connector	VSAM CDC Connector
Db2 for z/OS Image Copy Connector		

To learn about feature enhancements, see "Enhanced connectors" on page 47. For known and fixed issues, see the *Data Integration Connector Release Notes*.

For information about new features and enhancements in Data Integration, see the Chapter 10, " Data Integration " on page 40.

Important notices

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

Deprecation initiated

Effective in the October 2024 release, the following functionalities entered deprecation in Databricks Connector:

- Simba JDBC driver versions 2.6.22 and earlier.
  While you can use the Simba driver in the current release, Informatica intends to drop support for Simba JDBC driver versions 2.6.22 and earlier in the April 2025 release.

  Informatica recommends that you use Databricks JDBC driver version 2.6.38.

  For more information on how to use the Databricks JDBC driver for Databricks Connector, see Databricks JDBC driver Knowledge Base article.
- The use of personal staging location to stage data locally for mappings and tasks.
  While you can use the functionality in the current release, Informatica intends to drop support for the functionality in a future release.

  Informatica recommends that you use a Volume to stage the data.

  For more information on how to use a Volume, see the *Databricks Connector* documentation.

Dropped support for Google Analytics APIs

Effective in the October 2024 release, Informatica dropped support for the following Google Analytics APIs:

- Analytics Reporting API v4
- Core Reporting API v3

For more information on the Google Analytics APIs that you can use in Google Analytics Connector, see the *Google Analytics Connector* documentation.

New connectors

This release includes the following new connectors.

Salesforce Data Cloud Connector

You can use Salesforce Data Cloud Connector to connect to Salesforce Data Cloud. You can use the Salesforce Data Cloud connection in Target transformations in mappings and mapping tasks to write data to data lake objects in Salesforce Data Cloud.

When you connect to Salesforce Data Cloud, you can authenticate using OAuth 2.0 client credentials. You can choose the streaming or bulk API as the ingestion mode in the mapping to load data into Salesforce Data Cloud based on your data volume, processing speed, and real-time requirements.

SAP OData V2 Connector

You can use SAP OData V2 Connector to access SAP applications from Data Integration. You can read from or write to OData V2-compliant applications in SAP deployed in the cloud or on-premises.

Use SAP OData V2 Connector to read data from hierarchical and flat entities, and write data to flat entities.

When you use SAP OData V2 Connector, you can create an SAP OData V2 connection and use the connection both as a source and a target in mappings and tasks. When you run an SAP OData V2 mapping or task, the agent reads data from or writes data to entities that are exposed and accessible through OData V2-compliant applications in SAP.

SAP OData V4 Connector

You can use SAP OData V4 Connector to access SAP applications from Data Integration. Use the SAP OData V4 connection to securely read data from entities that are exposed and accessible through OData V4-compliant applications in SAP.

When you use SAP OData V4 Connector, you can create an SAP OData V4 connection and use the connection as a source in mappings and tasks. When you run an SAP OData V4 mapping or task, the agent reads from OData V4-compliant applications in SAP.

Enhanced connectors

This release includes enhancements to the following connectors.

Adabas CDC Connector

When you restart a task that uses a CDC connector to connect to the source, you can now choose whether to perform a cold start or warm start from the job details page. A cold start restarts the task from the beginning, without recovery. When you cold start a failed task that has recovery enabled, Cloud Data Integration does not process the recovery data. A warm start resumes processing from the point where the task ended, with recovery. Typically, if a task fails after an initial cold start, a warm start is used to restart the task with recovery.

Note: The cold start option is not supported for tasks that have Snowflake targets.

Amazon Redshift V2 Connector

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

- **Mapping in SQL ELT mode**
  - You can read complex files such as Avro, JSON, ORC, and Parquet from an Amazon S3 source.
  - You can use the Aggregator, Joiner, Lookup, and Union transformations in a mapping.
  - You can use an upsert operation to update existing records and insert new records in an Amazon Redshift target.
  - You can preview data in transformations configured midstream in the mapping flow.
  - You can push certain aggregate and conditional expression functions to Amazon Redshift.
    For the list of functions that you can push down to Amazon Redshift, see the *Amazon Redshift V2 Connector* documentation.
- The JDBC driver version is upgraded to 2.1.0.30.

Business 360 FEP Connector

You can now use Business 360 FEP Connector to export the match pairs that are generated by the match process. Additionally, when you export master records, you can also export the identifier details of their source records, such as source primary key and source system, by using the xrefLinks field group. You can also export dynamic field definitions and dynamic field values.

Databricks Connector

This release includes the following enhancements for Databricks Connector:

- **Mapping in SQL ELT mode**
  - You can use Databricks objects as lookups in a mapping that reads from Amazon S3 or Microsoft Azure Data Lake Storage Gen2.
  - You can push certain AI and window functions to Databricks.
    For the list of functions that you can push down to Databricks, see the *Databricks Connector* documentation.
- You can stage data in a Volume in Databricks when you run a Databricks mapping. Volumes in Databricks are Unity Catalog objects used to manage and secure non-tabular datasets such as files and directories.

Datacom CDC Connector

When you restart a task that uses a CDC connector to connect to the source, you can now choose whether to perform a cold start or warm start from the job details page. A cold start restarts the task from the beginning, without recovery. When you cold start a failed task that has recovery enabled, Cloud Data Integration does not process the recovery data. A warm start resumes processing from the point where the task ended, with recovery. Typically, if a task fails after an initial cold start, a warm start is used to restart the task with recovery.

Note: The cold start option is not supported for tasks that have Snowflake targets.

Db2 for i CDC Connector

When you restart a task that uses a CDC connector to connect to the source, you can now choose whether to perform a cold start or warm start from the job details page. A cold start restarts the task from the beginning, without recovery. When you cold start a failed task that has recovery enabled, Cloud Data Integration does not process the recovery data. A warm start resumes processing from the point where the task ended, with recovery. Typically, if a task fails after an initial cold start, a warm start is used to restart the task with recovery.

Note: The cold start option is not supported for tasks that have Snowflake targets.

Db2 for LUW CDC Connector

When you restart a task that uses a CDC connector to connect to the source, you can now choose whether to perform a cold start or warm start from the job details page. A cold start restarts the task from the beginning, without recovery. When you cold start a failed task that has recovery enabled, Cloud Data Integration does not process the recovery data. A warm start resumes processing from the point where the task ended, with recovery. Typically, if a task fails after an initial cold start, a warm start is used to restart the task with recovery.

Note: The cold start option is not supported for tasks that have Snowflake targets.

Db2 for z/OS CDC Connector

When you restart a task that uses a CDC connector to connect to the source, you can now choose whether to perform a cold start or warm start from the job details page. A cold start restarts the task from the beginning, without recovery. When you cold start a failed task that has recovery enabled, Cloud Data Integration does not process the recovery data. A warm start resumes processing from the point where the task ended, with recovery. Typically, if a task fails after an initial cold start, a warm start is used to restart the task with recovery.

Note: The cold start option is not supported for tasks that have Snowflake targets.

Google BigQuery V2 Connector

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

- **Mapping in SQL ELT mode**
  - You can push the following functions to Google BigQuery in a mapping:
    - Authenticated Encryption with Associated Data (AEAD) encryption functions
    - Net functions
    - Window functions

    For the list of functions that you can push to Google BigQuery, see the *Google BigQuery Connectors* documentation.
  - You can use Google BigQuery objects as lookups in a mapping that reads from Amazon S3 or Google Cloud Storage objects.
- When you query the source object, you can perform the following actions:
  - Configure the **Is Null** and **Is Not Null** operators in the platform filter to include records where specific fields are either filled or empty.
  - Sort the input data.

IBM MQ Connector

You can recover unprocessed messages from a failed IBM MQ mapping task and resume the task from the point of failure if the task crashes.

IDMS CDC Connector

When you restart a task that uses a CDC connector to connect to the source, you can now choose whether to perform a cold start or warm start from the job details page. A cold start restarts the task from the beginning, without recovery. When you cold start a failed task that has recovery enabled, Cloud Data Integration does not process the recovery data. A warm start resumes processing from the point where the task ended, with recovery. Typically, if a task fails after an initial cold start, a warm start is used to restart the task with recovery.

Note: The cold start option is not supported for tasks that have Snowflake targets.

IMS CDC Connector

When you restart a task that uses a CDC connector to connect to the source, you can now choose whether to perform a cold start or warm start from the job details page. A cold start restarts the task from the beginning, without recovery. When you cold start a failed task that has recovery enabled, Cloud Data Integration does not process the recovery data. A warm start resumes processing from the point where the task ended, with recovery. Typically, if a task fails after an initial cold start, a warm start is used to restart the task with recovery.

Note: The cold start option is not supported for tasks that have Snowflake targets.

Marketo V3 Connector

When you retrieve leads in bulk from Marketo, you can filter records based on the date they were created or updated.

Microsoft Fabric Data Warehouse Connector

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

- You can use key range partitioning to distribute rows of source data based on the partition key and the range of values for each partition.

- You can specify an SQL override statement to override the default SQL query that reads data from a Microsoft Fabric Data Warehouse source.
- You can configure an update override to override the default update query that the Secure Agent generates for the update operation in a mapping or mapping task.
- You can create simple or advanced data filters in a Source transformation to fetch specific data of a particular object.
- To look up data from Microsoft Fabric Data Warehouse, you can configure the following Lookup transformations:
  - Connected and unconnected cached Lookup transformation in a mapping and mapping in advanced mode
  - Connected uncached Lookup transformation in a mapping

Microsoft Fabric Lakehouse Connector

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

- You can use key range partitioning to distribute rows of source data based on the partition key and the range of values for each partition.
- You can specify an SQL override statement to override the default SQL query that reads data from a Microsoft Fabric Lakehouse source.
- You can create simple or advanced data filters in a Source transformation to fetch specific data of a particular object.
- To look up data from Microsoft Fabric Lakehouse, you can configure the following Lookup transformations:
  - Connected and unconnected cached Lookup transformation in a mapping and mapping in advanced mode
  - Connected uncached Lookup transformation in a mapping

Microsoft SQL Server CDC Connector

When you restart a task that uses a CDC connector to connect to the source, you can now choose whether to perform a cold start or warm start from the job details page. A cold start restarts the task from the beginning, without recovery. When you cold start a failed task that has recovery enabled, Cloud Data Integration does not process the recovery data. A warm start resumes processing from the point where the task ended, with recovery. Typically, if a task fails after an initial cold start, a warm start is used to restart the task with recovery.

Note: The cold start option is not supported for tasks that have Snowflake targets.

Microsoft SQL Server Connector

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

- You can connect to SQL Server 2022 version.
- You can run Microsoft SQL Server mappings using the upgraded ODBC driver version 08.02.1801. The driver is available in the `LATEST` folder in the Secure Agent installation directory. For more information, see How to use the patched or latest JDBC or ODBC driver for Oracle and Microsoft SQL Server Connectors.

MySQL CDC Connector

When you restart a task that uses a CDC connector to connect to the source, you can now choose whether to perform a cold start or warm start from the job details page. A cold start restarts the task from the beginning, without recovery. When you cold start a failed task that has recovery enabled, Cloud Data Integration does not process the recovery data. A warm start resumes processing from the point where the task ended, with recovery. Typically, if a task fails after an initial cold start, a warm start is used to restart the task with recovery.

Note: The cold start option is not supported for tasks that have Snowflake targets.

ODBC Connector

When you use DB2 subtype in the ODBC connection, you can use an SQL transformation in a mapping to call a stored procedure in a DB2 endpoint.

Oracle CDC V2 Connector

When you restart a task that uses a CDC connector to connect to the source, you can now choose whether to perform a cold start or warm start from the job details page. A cold start restarts the task from the beginning, without recovery. When you cold start a failed task that has recovery enabled, Cloud Data Integration does not process the recovery data. A warm start resumes processing from the point where the task ended, with recovery. Typically, if a task fails after an initial cold start, a warm start is used to restart the task with recovery.

Note: The cold start option is not supported for tasks that have Snowflake targets.

PostgreSQL CDC Connector

When you restart a task that uses a CDC connector to connect to the source, you can now choose whether to perform a cold start or warm start from the job details page. A cold start restarts the task from the beginning, without recovery. When you cold start a failed task that has recovery enabled, Cloud Data Integration does not process the recovery data. A warm start resumes processing from the point where the task ended, with recovery. Typically, if a task fails after an initial cold start, a warm start is used to restart the task with recovery.

Note: The cold start option is not supported for tasks that have Snowflake targets.

SAP HANA CDC Connector

When you restart a task that uses a CDC connector to connect to the source, you can now choose whether to perform a cold start or warm start from the job details page. A cold start restarts the task from the beginning, without recovery. When you cold start a failed task that has recovery enabled, Cloud Data Integration does not process the recovery data. A warm start resumes processing from the point where the task ended, with recovery. Typically, if a task fails after an initial cold start, a warm start is used to restart the task with recovery.

Note: The cold start option is not supported for tasks that have Snowflake targets.

Snowflake Data Cloud Connector

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

- **Mapping in SQL ELT mode**
  - You can use Snowflake objects as lookups in a mapping that reads from Amazon S3 or Microsoft Azure Data Lake Storage Gen2.
  - You can push certain window functions to Snowflake.
    For a list of functions that you can use, see the Snowflake Data Cloud Connector documentation.
- You can use Microsoft Azure Active Directory as an external OAuth authorization server to authenticate Snowflake.

VSAM CDC Connector

When you restart a task that uses a CDC connector to connect to the source, you can now choose whether to perform a cold start or warm start from the job details page. A cold start restarts the task from the beginning, without recovery. When you cold start a failed task that has recovery enabled, Cloud Data Integration does not process the recovery data. A warm start resumes processing from the point where the task ended, with recovery. Typically, if a task fails after an initial cold start, a warm start is used to restart the task with recovery.

Note: The cold start option is not supported for tasks that have Snowflake targets.

Changed behavior

The October 2024 release includes changes in behavior for the following connectors.

IBM MQ Connector

Effective in this release, you can provide the required authorities only on the message queue and Queue Manager component in IBM MQ to read from or write to a specific message queue.

Previously, in addition to the message queue and Queue Manager component, the authorities on system queues were required.

Microsoft Fabric Data Warehouse Connector

Effective in this release, if you do not specify the staging lakehouse name to stage data in a temporary table before you write to the Microsoft Fabric Data Warehouse target, you can save the mapping, but it fails at runtime with the following error:

```
Internal Error: Adapter InitDataSession Returned Exception :
com.informatica.sdk.exceptionsimpl.SDKExceptionImpl: !Staging Lakehouse Name is not set.
```

Previously, the staging lakehouse name was validated at design time. If you did not specify the staging lakehouse name, you could save the mapping, but the mapping was not valid.

Upgrade

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

Post-upgrade tasks for the October 2024 release

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

Google Analytics Connector

Informatica dropped support for the following Google Analytics APIs:

- Analytics Reporting API v4
- Core Reporting API v3

The default value of the **API Version** in the connection properties changed from Core Reporting API v3 to Google Analytics 4.

After the upgrade, if an existing mapping is configured with either Analytics Reporting API v4 or Core Reporting API v3 as the API version, the test connection and mapping fail.

To resolve this issue, follow these steps:

1. Migrate your Universal Analytics account to Google Analytics 4 in Google Analytics.
2. Set the **API Version** connection property to Google Analytics 4 in the Google Analytics connection.
3. Synchronize the mapping metadata and re-run the mapping.

Google BigQuery V2 Connector

Google BigQuery V2 Connector includes the following upgrade impact:

- After the upgrade, an existing mapping fails when all of the following conditions apply:
  - The Google BigQuery V2 connection uses the simple connection mode.
  - The **Use EXPORT DATA statement to stage** property is enabled in the source advanced properties.
  - The transformation includes fields with the Record or Repeat data type from the source table.

  To resolve this issue, remove the fields with the Record or Repeat data type from the transformation, and re-run the mapping.
- After the upgrade, an existing mapping in SQL ELT mode fails if it uses the REGEXP_EXTRACT function in an Expression or Aggregator transformation with the Byte data type in the argument and the String data type in the return type.
  To resolve this issue, update the data types in the argument and return type of the REGEXP_EXTRACT function to compatible formats, and re-run the mapping.

IBM MQ Connector

After the upgrade, it is important that you change the directory where you copy the required IBM MQ JAR files to connect to IBM MQ.

When you change the directory for the IBM MQ JAR files, you do not need to copy the JAR files in the Secure Agent installation directory each time a new version of the IBM MQ Connector package is deployed.

Before you run new or existing IBM MQ mappings, perform the following steps:

1. Copy the required IBM MQ JAR files from the IBM MQ client.
   For more information about the IBM MQ JAR files that you need to copy, see the IBM MQ Connector documentation.
2. Create the `ibmmq` folder, and then paste the copied JAR files to the following directory:
   `<Informatica Secure Agent installation directory>/ext/connectors/thirdparty/ibmmq`
3. Spawn a new Data Integration Server.

Previously, the IBM MQ JAR files were copied in the following directory:

```
<Informatica Secure Agent installation directory>/downloads/package-ibmmq.<Version number>/
package/ibmmq/thirdparty/informatica.ibmmq
```

Microsoft Fabric Data Warehouse Connector

After the upgrade, when you write source data that contains a FileName port or when the FileName in the mapping is not excluded from the input fields of the target, the mapping runs successfully. However, it inserts an empty string in the FileName column in the target. Previously, the source data with the FileName port was written to the Microsoft Fabric Data Warehouse target.

To prevent writing empty strings, perform the following steps:

- Exclude the FileName port when you create a new target at run time.

- Do not use the FileName port column when you use an existing target object.
- Connect FileName port values from the source to a different port.

Microsoft Fabric Lakehouse Connector

After the upgrade, when you write source data that contains a FileName port or when the FileName in the mapping is not excluded from the input fields of the target, the mapping fails. This issue occurs in both existing target objects and new target objects created at run time. Previously, the source data with the FileName port was written to the Microsoft Fabric Lakehouse target.

To resolve this issue in existing or new mappings, perform the following steps:

- Exclude the FileName port when you create a new target at run time.
- Do not use the FileName port column when you use an existing target object.
- Connect FileName port values from the source to a different port if an existing target object does not contain the FileName port column.

MySQL Connector

After the upgrade, an existing mapping fails if MySQL Connector is configured on Windows with an ODBC driver version 8.0.28 or earlier.

To resolve this issue, upgrade the ODBC driver to version 8.0.29 or later and re-run the mapping.

CHAPTER 12

Data Quality

The October 2024 release of Data Quality includes the following updates.

New features and enhancements

Data Quality includes the following new features and enhancements.

Data Quality bundle for India

Informatica releases a bundle of assets for data in India.

The bundle includes mapplets and other assets, including assets that evaluate PAN numbers, Aadhaar numbers, voter ID numbers, passport numbers, and driver's license numbers in India.

For more information about India bundle, see *Data Quality accelerator bundles* help in Data Quality.

Exception management for profiling tasks that read a mapplet source

You can create an exception task from a profiling task that reads a mapplet as a source object.

Verifier assets

The October release includes the following enhancement to verifier assets:

Enriched address outputs for Australia addresses

Address verification can identify the Local Government Area in which an address is located. To identify the Local Government Area, you can select the Local Government Area Name and Local Government Area Code output fields in the verifier asset. The address verification reference data for Australia includes the Local Government Area information.

For more information about enriched address outputs for Australia addresses, see the *Verifier assets* help in Data Quality.

Changed behavior

Data Quality includes the following changed behavior.

Increased limit for user-defined patterns in parse assets

You can import up to 5,000 user-defined patterns to a parse asset from a file that you specify.

Previously, the asset accepted up to 200 user-defined patterns from an import file.

Changes to test output in Data Quality assets

A Data Quality asset erases the results of a test that you ran if you import new data to the test panel.

Previously, the asset did not erase test results when you imported new data.

New download limit in exception records

Informatica manages the number of data quality issues that you can download from the results of an exception task job. By default, the exception data file that you download from a job can contain up to 20,000 issues.

Previously, the download file contained all data quality issues for a given exception task job.

Note: The exception task performance and the statistics that the exception job generates are unchanged.

For more information about data quality issue limit in the download file, see *Exception Management* help in Data Quality

CHAPTER 13

Data Validation

The October 2024 release of Data Validation includes the following update.

New features and enhancements

The October 2024 release of Data Validation includes the following new feature and enhancement.

Parameterization support for WHERE clause

When you use a WHERE clause to enable data sampling for a Data Validation test case, you can parameterize the WHERE clause to provide different values at run time.

You can download a sample parameter file from the test case creation wizard. Then, define the parameter names and values in the file, and save it in a directory relative to your Secure Agent.

For more information, see *Test Cases*.

CHAPTER 14

MDM - Customer 360 SaaS

The October 2024 release of MDM - Customer 360 SaaS includes the following updates.

Important notices

The October 2024 release includes the following important notice:

Preview lifted

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

- You can import, create, and update records with validation errors.
- Records can have one of the following validation statuses:
  - Valid. Records that don't have data quality issues.
  - Validation Errors. Records that have data quality issues.
- Records can have the following additional error types:
  - Errors. Data quality issues that are configured as errors.
  - Others. Data quality issues that can't be categorized as information, warning, or error.
- You can filter search results based on validation status, errors, and error types.
- You can now view predefined reports that display information about records with validation errors. You can also create custom reports on records that contain validation errors.
- The following predefined reports that display information about records with validation errors appear on the Reports page:
  - Number of Records by Business Entity
  - Number of Valid Records by Business Entity
  - Number of Records with Validation Errors by Business Entity

For more information about record validation, see *Manage records*.

New features and enhancements

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

Data enrichment

When you create or update records, you can enrich them by accepting CLAIRE recommendations.

For more information about data enrichment, see *Enriching records with CLAIRE recommendations*.

Dynamic fields in workflow tasks

After you add or update dynamic field values in records, you can now submit the changes for approval.

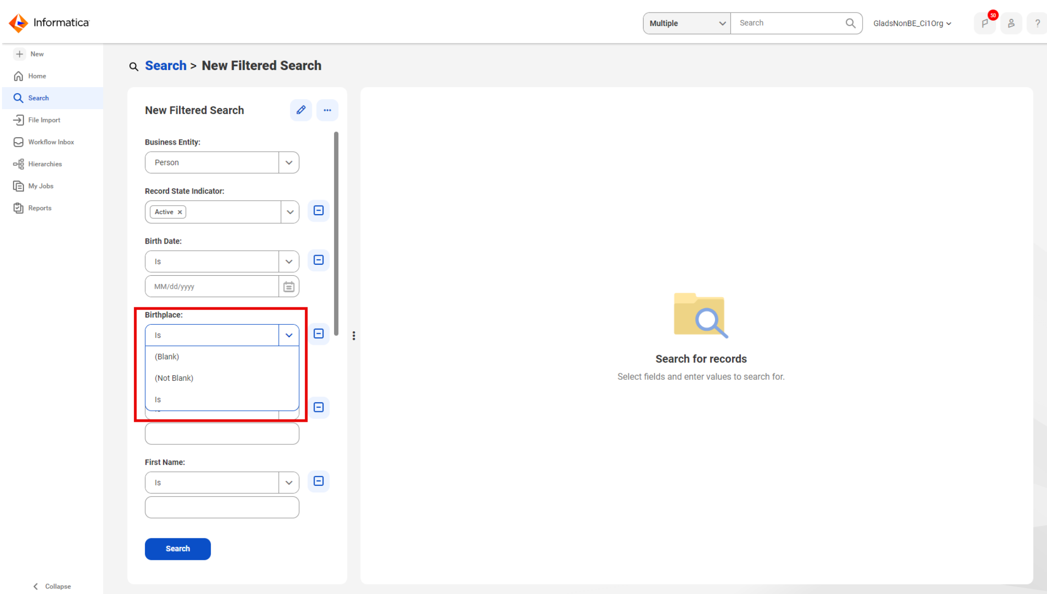
As an approver, you can update dynamic field values when you review tasks in Workflow Inbox. You can also compare changes to dynamic field values with the existing ones.

For more information about dynamic fields, see *Dynamic fields*.

Filter search results

You can filter records based on fields that are blank, contain any values, or contain values that match the search term.

The following image displays the filter values for a specific field in the filtered search:



In the **Filters** panel, you can refine your search results by filtering records based on fields that are blank.

For more information about searching for records, see *Manage Records*.

Custom reports

You can create custom reports based on fields that contain blank values. You can filter records based on fields that contain blank or any value.

For more information about reports based on master records, see *Manage Reports*.

Record validation

You can import, create, and update records with validation errors. You can filter search results by validation status, errors, and error types, and fix validation errors to improve data quality. Predefined reports and custom reports display information about records with validation errors.

For more information about validation errors, see *Manage records*.

Date and time fields

When you change the browser locale, date and time fields can now use the date and time format that the browser locale uses.

For more information about the browser locale format, see *Browser locale*.

Relationship graph

You can now view the relationship graph in full screen.

For more information about the relationship graph, see *Records related with a relationship*.

Trust override

You can now override the trust scores of duplicate field groups and nested field group values.

For more information about overriding values of a master record, see *Establish the best version of the truth*.

Enhanced view of duplicate field group values

The views of the Source Records page, Merge Records page, Unmerge Records page, and Workflow Approval Merge Records page have been enhanced. They now display duplicate field group values side by side, providing a clear view of data from each source system.

For more information about merging and unmerging records, see *Establish the best version of the truth*.

Changed behavior

The October 2024 release includes the following changed behavior:

New UI experience

Effective in the October 2024 release, Customer 360 SaaS has the new visual experience enabled by default. The option to revert to the classic experience is not available.

Previously, you could revert to the classic experience by disabling the new visual experience.

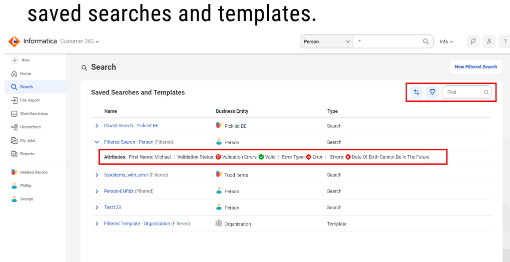
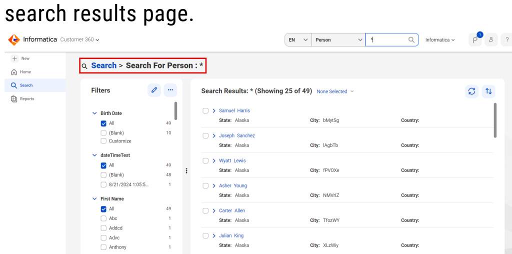
Import data

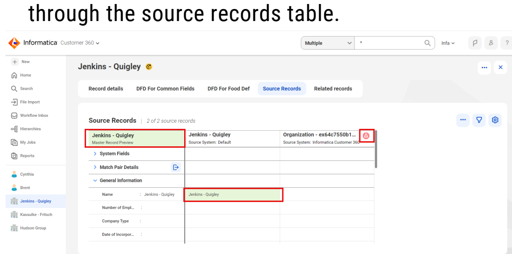
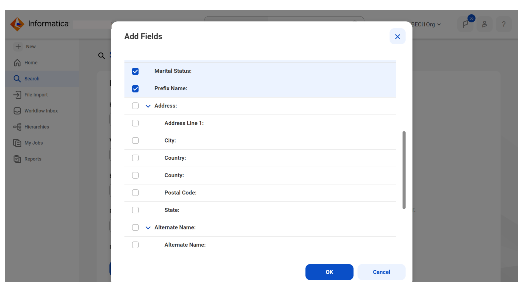
You can now upload CSV files up to 100 MB in size.

Previously, the maximum size was 20 MB.
For more information about importing data, see *Import Data*.

Enhanced user interface to manage records

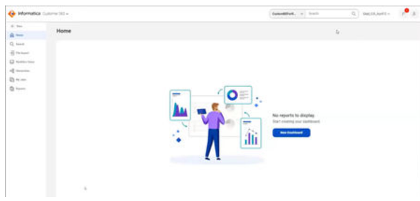
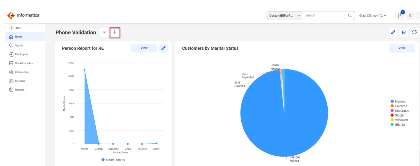
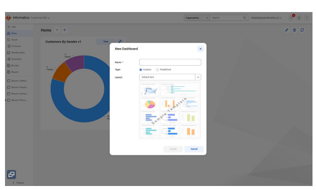
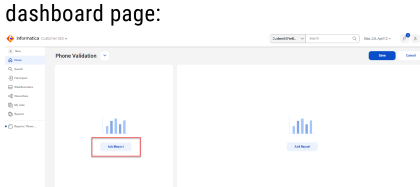
The following table lists the user interface changes to the search and record details pages:

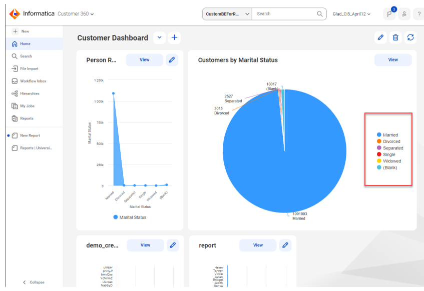
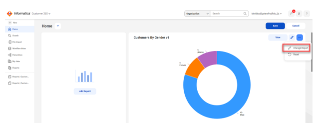
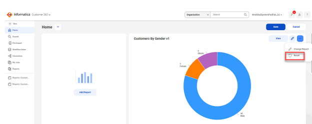
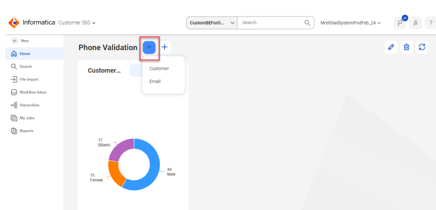
User interaface changes	Current behavior	Previous behavior
Visual enhancements to the Saved Searches and Templates page	You can see the following changes on the Saved Searches and Templates page: - You can now view saved searches and templates in a tabular format. - The values in the attributes field are now clearly differentiated, with each field value being separated. - You can now sort and filter saved searches and templates by their names, related business entities, and types. Additionally, you can use the search box to find saved searches and templates. 	Previously, saved searches and templates appeared in separate panels and the values in the attributes lacked differentiation.
Single business entity search	When you search for records in a single business entity, the name of the business entity appears in the header of the search results page. 	Previously, when you searched for records within a single business entity, the name of the business entity appeared on a tab on the search results page.
Icons on record details and search results pages	On the record details page, you can now see icons that indicate whether a record is valid, is pending approval, has restricted fields, or contains validation errors. On the search results page, the records display icons that indicate whether the records contain validation errors.	Previously, the records displayed text labels instead of icons.

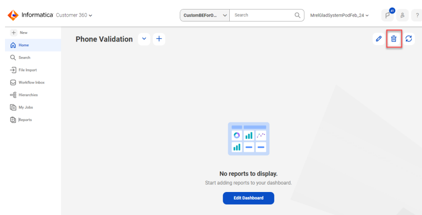
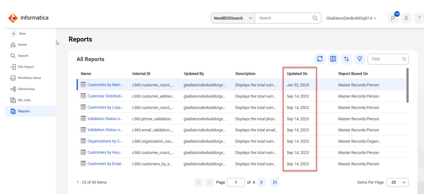
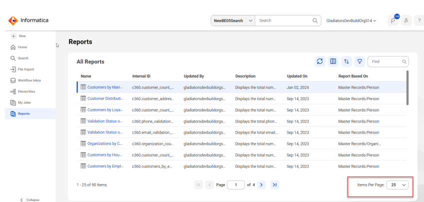
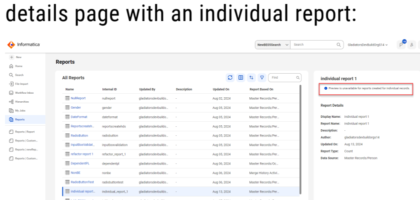
User interaface changes	Current behavior	Previous behavior
Visual enhancements to the Source Records page	You can see the following changes on the Source Records page: - The column header of a master record is now highlighted to distinguish it from source records. - A new icon identifies a patch record. - The column headers remain fixed when you scroll through the source records table. 	Previously, you coludn't distinguish master records from source records. Also, the headers didn't remain fixed when you scrolled through the source records table.
Filtered search	When you add new fields to a filtered search, you can select fields in the **Add Fields** dialog box, but you can no longer enter values to include in your search. The following image displays the Add Fields dialog box for a filtered search: 	Previously, you could enter values for the fields that you selected to include in your search.

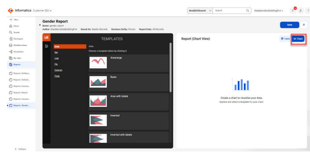
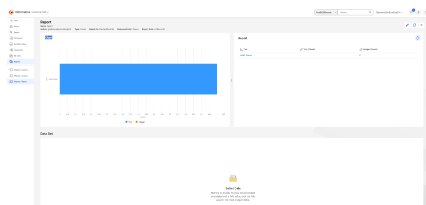
Enhanced user interface to manage reports and dashboards

The following table lists the changes to the user interface for reports and dashboards:

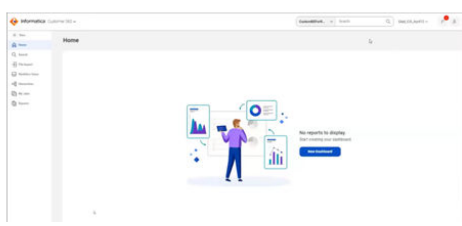
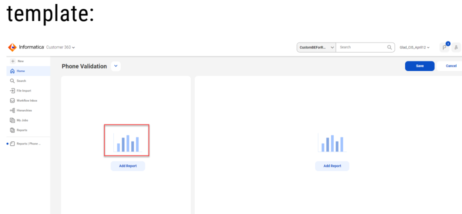
User interface element	Current behavior	Previous behavior
Add dashboards	Use the **New Dashboard** button to create a dashboard. The following image shows a sample **Home** page on which you can create a dashboard:  You can also use the **Add** icon on the **Home** page to create a dashboard. The following image shows a sample dashboard page:  Use the **New Dashboard** dialog box to create dashboards. The following image shows a sample **New Dashboard** window: 	Previously, the button and dialog box to create a dashboard were labeled **Add Dashboard**.
Add widgets to a record	Use the **Add Report** button to add a report to a dashboard page. The following image shows a sample empty dashboard page: 	Previously, the button to add a report was labeled **Add Widgets**.

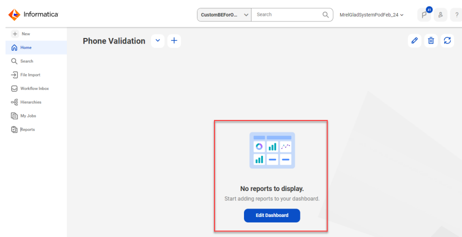
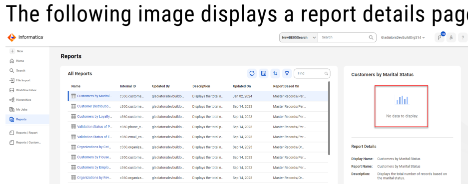
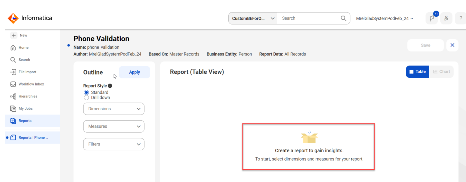
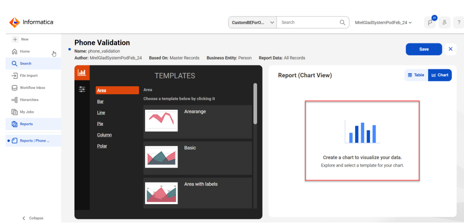
User interface element	Current behavior	Previous behavior
Position of legend of a pie chart	You can now view the legend on the right of a pie chart. 	Previously, the legend for a pie chart was displayed below the chart.
Edit widgets	Use the **Change Report** menu from the **Actions** menu to edit a widget in a dashboard. The following image shows a sample page to edit a widget: 	Previously, the button to edit a widget in a dashboard was labeled **Edit widget**.
Remove widgets	Use the **Reset** menu from the **Actions** menu to remove a widget from a dashboard. The following image shows a sample dashboard page with an option to remove a widget: 	Previously, the button to remove a widget from a dashboard was labeled **Remove widget**.
View dashboards	Use the dropdown option on the **Home** page to view the list of dashboards that are available. The following image shows a sample dashboard page with the dropdown option to view the list of dashboards: 	Previously, the dashboards were listed horizontally as tabs.

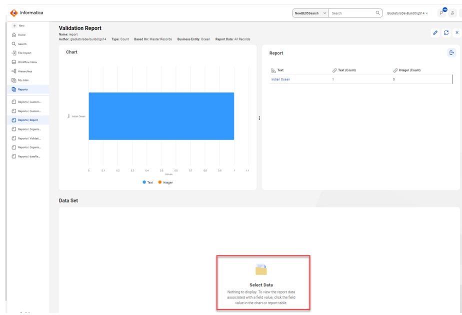
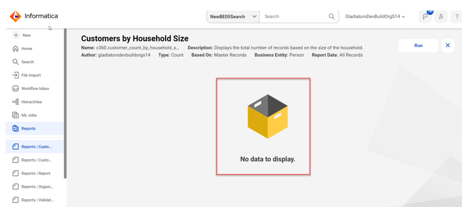
User interface element	Current behavior	Previous behavior
Delete dashboards	You can now delete a dashboard from the dashboard **Home** page using the **Delete** icon beside the **Edit** icon. The following image shows a sample dashboard page with the **Delete** icon: 	Previously, you could delete a dashboard when the dashboard layout appears in edit mode from the **Edit Dashboard** page. Additionally, the **Delete** icon was available beside the **Save** button.
View report details	The status icons for the field properties aren't available now on the **Reports** page. The following image shows the statuses of custom reports on a sample report details page:  Additionaly, you can now view 25 reports in the **Reports** page by default. The following image shows a sample report details page with pagination: 	Previously, you could view the status icons for the field properties on the **Reports** page. Additionally, you could view 10 reports in the Reports page by default.
View additional report details of a report	In the quick view panel, you can now view a message that preview for reports created for individual reports is unavailable. The following image shows a sample report details page with an individual report: 	Previously, the message displayed that data wasn't available.

User interface element	Current behavior	Previous behavior
Add a chart to custom reports	You can now use the **Chart** tab to add a chart to a custom report. The following image shows a sample page to add a chart: 	Previously, you could use the **Configure Chart** button to add a chart to a custom report.
Resize report component panel	You can't drag to adjust the data set panel now. The following image shows a sample report details page: 	Previously, you could adjust the data set panel.

The following table lists the pages for which you have an enhanced visual experience for the empty states:

User interface element	Current behavior	Previous behavior
Creating a dashboard	**Home** page to create a dashboard. The following image displays a sample **Home** page to create a dashboard: 	Previously, the **Home** page to create a dashboard had no illustrations.
Empty Dashboard	Empty dashboard template. The following image displays an empty dashboard template: 	Previously, the **Home** page to create a dashboard had no illustrations.

User interface element	Current behavior	Previous behavior
Report on a dashboard with no data	Dashboard page for a report with no data. The following image displays a dashboard with a report with no data: 	Previously, the dashboard with a report with no data had no illustrations.
View additional details of a report	In the quick view panel, when there is no data to display in the report. The following image displays a report details page: 	Previously, when there is no data to display in the report, the quick view panel had no illustrations.
Create a report.	When you create a report. The following image displays a sample **Reports** page with table view: 	Previously, the page to create reports had no illustrations.
Report (Chart View) panel	Before you create a chart, in the Report (Chart View) panel. The following image displays a sample **Reports** page with chart view: 	Previously, the page to create a chart had no illustrations.

User interface element	Current behavior	Previous behavior
Data set panel	When you have no data to display in a data set. The following image displays a sample report with data set panel: 	Previously, an empty data set panel had no illustrations.
Report with no data	Report with no data. The following image displays a sample report with no data: 	Previously, an empty report page had no illustrations.

CHAPTER 15

MDM - Product 360 SaaS

The October 2024 release of MDM - Product 360 SaaS includes the following updates.

Important notices

The October 2024 release includes the following important notices:

- You can import, create, and update records with validation errors.
- Records can have one of the following validation statuses:
  - Valid. Records that don't have data quality issues.
  - Validation Errors. Records that have data quality issues.
- Records can have the following additional error types:
  - Errors. Data quality issues that are configured as errors.
  - Others. Data quality issues that can't be categorized as information, warning, or error.
- You can filter search results based on validation status, errors, and error types.
- You can now view predefined reports that display information about records with validation errors. You can also create custom reports on records that contain validation errors.
- The following predefined reports that display information about records with validation errors appear on the Reports page:
  - Number of Records by Business Entity
  - Number of Valid Records by Business Entity
  - Number of Records with Validation Errors by Business Entity

For more information about record validation, see *Manage records*.

New features and enhancements

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

Data enrichment

When you create or update records, you can enrich them by accepting CLAIRE recommendations.

For more information about data enrichment, see *Enriching records with CLAIRE recommendations*.

Dynamic fields in workflow tasks

After you add or update dynamic field values in records, you can now submit the changes for approval.

As an approver, you can update dynamic field values when you review tasks in Workflow Inbox. You can also compare changes to dynamic field values with the existing ones.

For more information about dynamic fields, see *Dynamic fields*.

Record validation

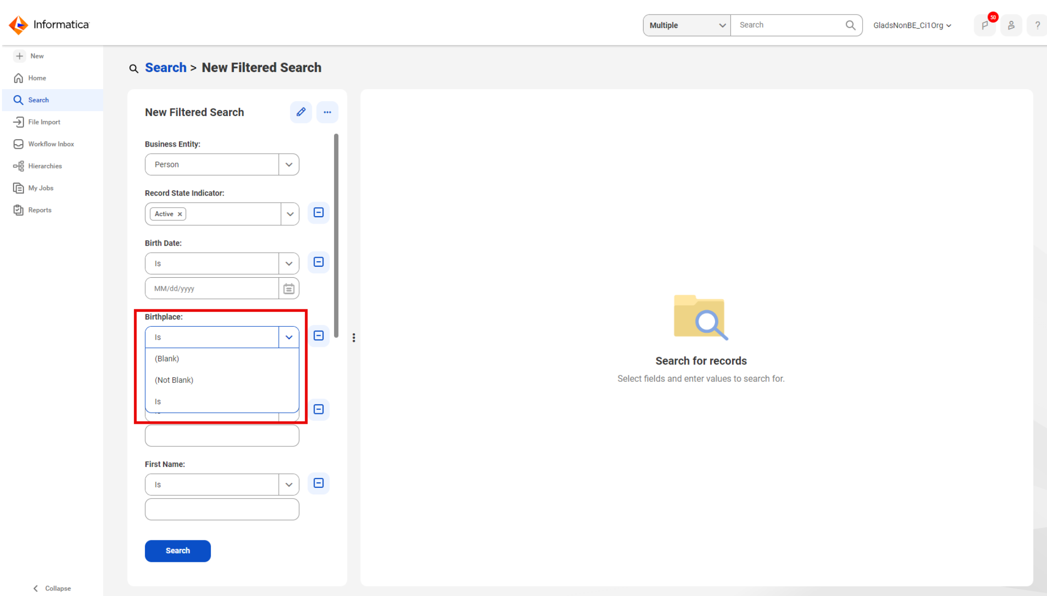
You can import, create, and update records with validation errors. You can filter search results by validation status, errors, and error types, and fix validation errors to improve data quality. Predefined reports and custom reports display information about records with validation errors.

For more information about validation errors, see *Manage records*.

Enhanced search

You can filter records based on fields that are blank, contain any values, or contain values that match the search term.

The following image displays the filter values for a specific field in the filtered search:



In the **Filters** panel, you can refine your search results by filtering records based on fields that are blank.

For more information about searching for records, see *Manage Records*.

Trust override

You can now override the trust scores of duplicate field groups and nested field group values.

For more information about overriding values of a master record, see *Establish the best version of the truth*.

Enhanced view of duplicate field group values

The views of the Source Records page, Merge Records page, Unmerge Records page, and Workflow Approval Merge Records page have been enhanced. They now display duplicate field group values side by side, providing a clear view of data from each source system.

For more information about merging and unmerging records, see *Establish the best version of the truth*.

Changed behavior

The October 2024 release includes the following changed behavior:

New UI experience

Effective in the October 2024 release, Product 360 SaaS has the new visual experience enabled by default. The option to revert to the classic experience is not available.

Previously, you could revert to the classic experience by disabling the new visual experience.

Import data

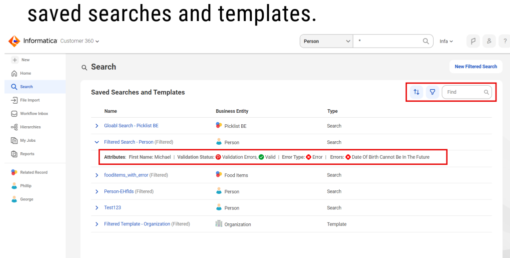
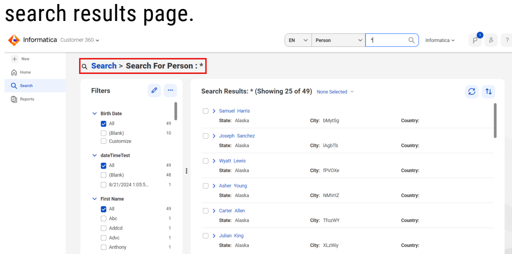
You can now upload CSV files up to 100 MB in size.

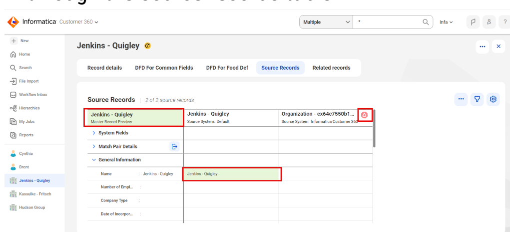
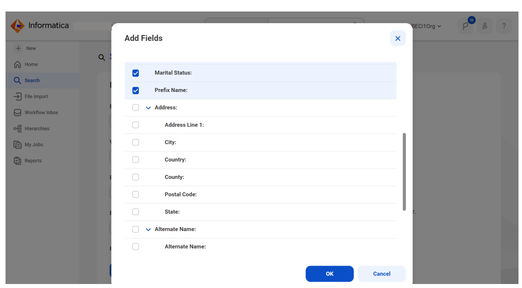
Previously, the maximum size was 20 MB.

For more information about importing data, see *Import Data*.

Enhanced user interface to manage records

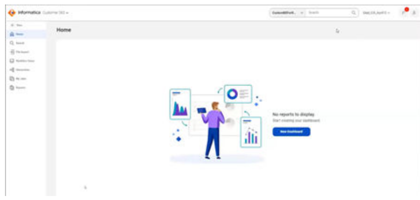
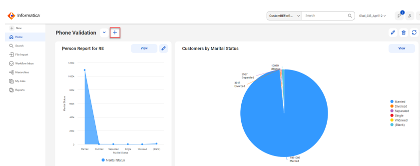
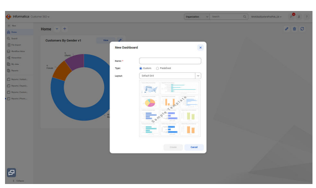
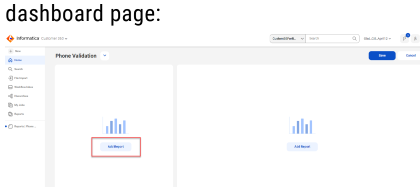
The following table lists the user interface changes to the search and record details pages:

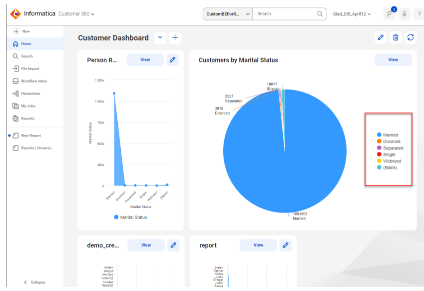
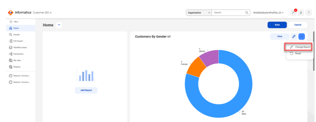
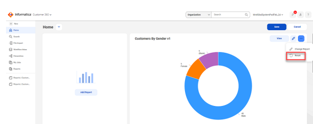
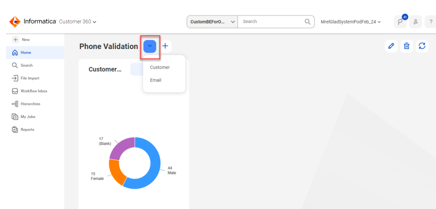
User interaface changes	Current behavior	Previous behavior
Visual enhancements to the Saved Searches and Templates page	You can see the following changes on the Saved Searches and Templates page: - You can now view saved searches and templates in a tabular format. - The values in the attributes field are now clearly differentiated, with each field value being separated. - You can now sort and filter saved searches and templates by their names, related business entities, and types. Additionally, you can use the search box to find saved searches and templates. 	Previously, saved searches and templates appeared in separate panels and the values in the attributes lacked differentiation.
Single business entity search	When you search for records in a single business entity, the name of the business entity appears in the header of the search results page. 	Previously, when you searched for records within a single business entity, the name of the business entity appeared on a tab on the search results page.

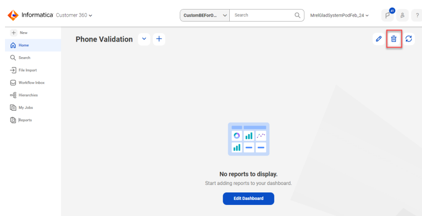
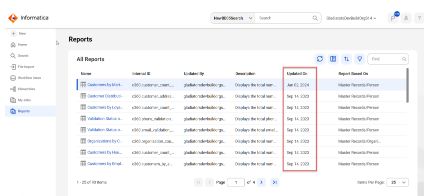
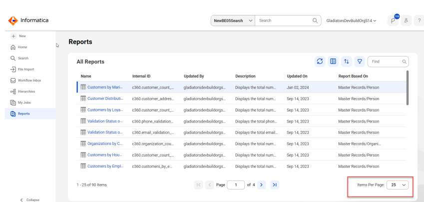
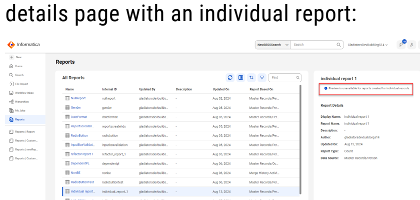
User interaface changes	Current behavior	Previous behavior
Icons on record details and search results pages	On the record details page, you can now see icons that indicate whether a record is valid, is pending approval, has restricted fields, or contains validation errors. On the search results page, the records display icons that indicate whether the records contain validation errors.	Previously, the records displayed text labels instead of icons.
Visual enhancements to the Source Records page	You can see the following changes on the Source Records page: - The column header of a master record is now highlighted to distinguish it from source records. - A new icon identifies a patch record. - The column headers remain fixed when you scroll through the source records table.  	Previously, you coludn't distinguish master records from source records. Also, the headers didn't remain fixed when you scrolled through the source records table.
Filtered search	When you add new fields to a filtered search, you can select fields in the **Add Fields** dialog box, but you can no longer enter values to include in your search. The following image displays the Add Fields dialog box for a filtered search:  	Previously, you could enter values for the fields that you selected to include in your search.

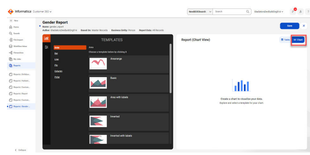
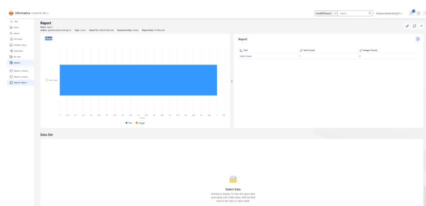
Enhanced user interface to manage reports and dashboards

The following table lists the changes to the user interface for reports and dashboards:

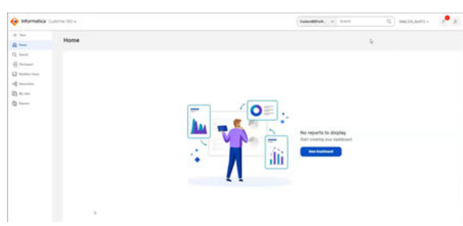
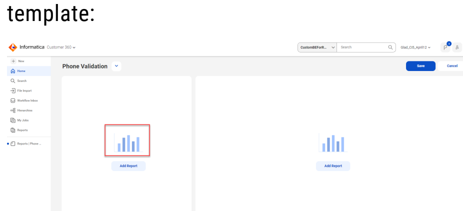
User interface element	Current behavior	Previous behavior
Add dashboards	Use the **New Dashboard** button to create a dashboard. The following image shows a sample **Home** page on which you can create a dashboard:  You can also use the **Add** icon on the **Home** page to create a dashboard. The following image shows a sample dashboard page:  Use the **New Dashboard** dialog box to create dashboards. The following image shows a sample **New Dashboard** window: 	Previously, the button and dialog box to create a dashboard were labeled **Add Dashboard**.
Add widgets to a record	Use the **Add Report** button to add a report to a dashboard page. The following image shows a sample empty dashboard page: 	Previously, the button to add a report was labeled **Add Widgets**.

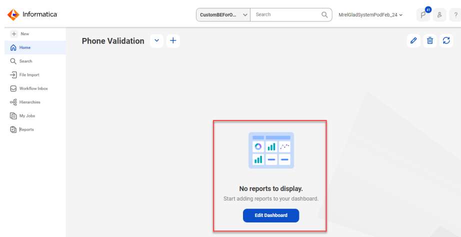
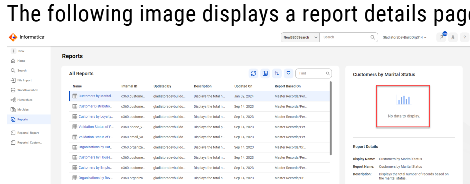
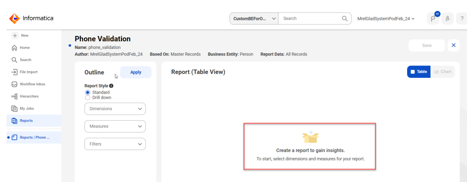
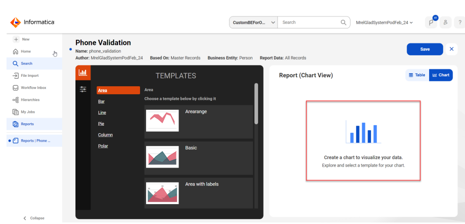
User interface element	Current behavior	Previous behavior
Position of legend of a pie chart	You can now view the legend on the right of a pie chart. 	Previously, the legend for a pie chart was displayed below the chart.
Edit widgets	Use the **Change Report** menu from the **Actions** menu to edit a widget in a dashboard. The following image shows a sample page to edit a widget: 	Previously, the button to edit a widget in a dashboard was labeled **Edit widget**.
Remove widgets	Use the **Reset** menu from the **Actions** menu to remove a widget from a dashboard. The following image shows a sample dashboard page with an option to remove a widget: 	Previously, the button to remove a widget from a dashboard was labeled **Remove widget**.
View dashboards	Use the dropdown option on the **Home** page to view the list of dashboards that are available. The following image shows a sample dashboard page with the dropdown option to view the list of dashboards: 	Previously, the dashboards were listed horizontally as tabs.

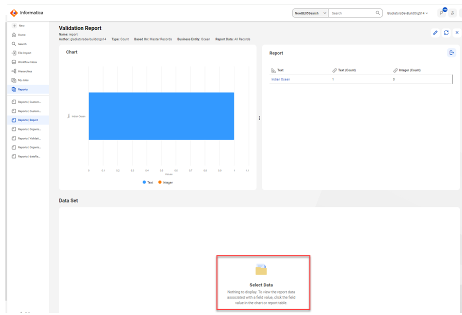
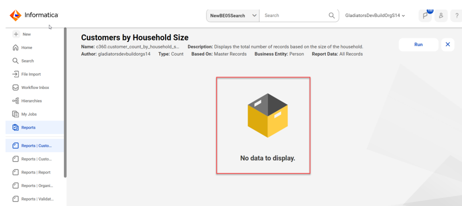
User interface element	Current behavior	Previous behavior
Delete dashboards	You can now delete a dashboard from the dashboard **Home** page using the **Delete** icon beside the **Edit** icon. The following image shows a sample dashboard page with the **Delete** icon:  	Previously, you could delete a dashboard when the dashboard layout appears in edit mode from the **Edit Dashboard** page. Additionally, the **Delete** icon was available beside the **Save** button.
View report details	The status icons for the field properties aren't available now on the **Reports** page. The following image shows the statuses of custom reports on a sample report details page:  Additionaly, you can now view 25 reports in the **Reports** page by default. The following image shows a sample report details page with pagination:  	Previously, you could view the status icons for the field properties on the **Reports** page. Additionally, you could view 10 reports in the Reports page by default.
View additional report details of a report	In the quick view panel, you can now view a message that preview for reports created for individual reports is unavailable. The following image shows a sample report details page with an individual report:  	Previously, the message displayed that data wasn't available.

User interface element	Current behavior	Previous behavior
Add a chart to custom reports	You can now use the **Chart** tab to add a chart to a custom report. The following image shows a sample page to add a chart: 	Previously, you could use the **Configure Chart** button to add a chart to a custom report.
Resize report component panel	You can't drag to adjust the data set panel now. The following image shows a sample report details page: 	Previously, you could adjust the data set panel.

The following table lists the pages for which you have an enhanced visual experience for the empty states:

User interface element	Current behavior	Previous behavior
Creating a dashboard	**Home** page to create a dashboard. The following image displays a sample **Home** page to create a dashboard: 	Previously, the **Home** page to create a dashboard had no illustrations.
Empty Dashboard	Empty dashboard template. The following image displays an empty dashboard template: 	Previously, the **Home** page to create a dashboard had no illustrations.

User interface element	Current behavior	Previous behavior
Report on a dashboard with no data	Dashboard page for a report with no data. The following image displays a dashboard with a report with no data: 	Previously, the dashboard with a report with no data had no illustrations.
View additional details of a report	In the quick view panel, when there is no data to display in the report. The following image displays a report details page: 	Previously, when there is no data to display in the report, the quick view panel had no illustrations.
Create a report.	When you create a report. The following image displays a sample **Reports** page with table view: 	Previously, the page to create reports had no illustrations.
Report (Chart View) panel	Before you create a chart, in the Report (Chart View) panel. The following image displays a sample **Reports** page with chart view: 	Previously, the page to create a chart had no illustrations.

User interface element	Current behavior	Previous behavior
Data set panel	When you have no data to display in a data set. The following image displays a sample report with data set panel: 	Previously, an empty data set panel had no illustrations.
Report with no data	Report with no data. The following image displays a sample report with no data: 	Previously, an empty report page had no illustrations.

CHAPTER 16

MDM - Reference 360

The October 2024 release of MDM - Reference 360 includes the following updates.

Important notices

The October 2024 release includes the following important notice.

Dropped support

Effective in the October 2024 release, Informatica dropped support for the classic experience in Reference 360. When you log in to Reference 360, the new visual experience is enabled by default.

New features and enhancements

The October 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 October 2024 release.

Export code values with metadata attributes from the user interface

You can now export code values with metadata attributes directly from the Reference 360 user interface. You can export additional details, such as the created date, created by, last updated date, last updated user, last updated date for parent relationships, and last updated user for parent relationships.

For more information about exporting code values, see *Exporting code values*.

CHAPTER 17

MDM - Supplier 360 SaaS

The October 2024 release of MDM - Supplier 360 SaaS includes the following updates.

Important notices

The October 2024 release includes the following important notice:

Preview lifted

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

- You can import, create, and update records with validation errors.
- Records can have one of the following validation statuses:
  - Valid. Records that don't have data quality issues.
  - Validation Errors. Records that have data quality issues.
- Records can have the following additional error types:
  - Errors. Data quality issues that are configured as errors.
  - Others. Data quality issues that can't be categorized as information, warning, or error.
- You can filter search results based on validation status, errors, and error types.
- You can now view predefined reports that display information about records with validation errors. You can also create custom reports on records that contain validation errors.
- The following predefined reports that display information about records with validation errors appear on the Reports page:
  - Number of Records by Business Entity
  - Number of Valid Records by Business Entity
  - Number of Records with Validation Errors by Business Entity

For more information about record validation, see *Manage records*.

New features and enhancements

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

Data enrichment

When you create or update records, you can enrich them by accepting CLAIRE recommendations.

For more information about data enrichment, see *Enriching records with CLAIRE recommendations*.

Dynamic fields in workflow tasks

After you add or update dynamic field values in records, you can now submit the changes for approval.

As an approver, you can update dynamic field values when you review tasks in Workflow Inbox. You can also compare changes to dynamic field values with the existing ones.

For more information about dynamic fields, see *Dynamic fields*.

Record validation

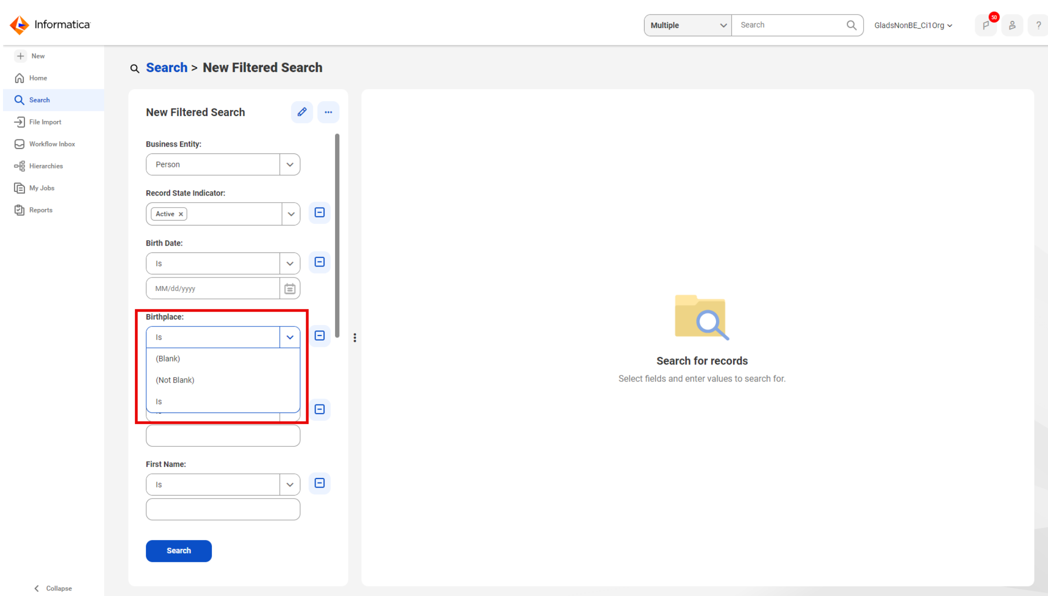
You can import, create, and update records with validation errors. You can filter search results by validation status, errors, and error types, and fix validation errors to improve data quality. Predefined reports and custom reports display information about records with validation errors.

For more information about validation errors, see *Manage records*.

Enhanced search

You can filter records based on fields that are blank, contain any values, or contain values that match the search term.

The following image displays the filter values for a specific field in the filtered search:



In the **Filters** panel, you can refine your search results by filtering records based on fields that are blank.

For more information about searching for records, see *Manage Records*.

Trust override

You can now override the trust scores of duplicate field groups and nested field group values.

For more information about overriding values of a master record, see *Establish the best version of the truth*.

Enhanced view of duplicate field group values

The views of the Source Records page, Merge Records page, Unmerge Records page, and Workflow Approval Merge Records page have been enhanced. They now display duplicate field group values side by side, providing a clear view of data from each source system.

For more information about merging and unmerging records, see *Establish the best version of the truth.*

Changed behavior

The October 2024 release includes the following changed behavior:

New UI experience

Effective in the October 2024 release, Supplier 360 SaaS has the new visual experience enabled by default. The option to revert to the classic experience is not available.

Previously, you could revert to the classic experience by disabling the new visual experience.

Import data

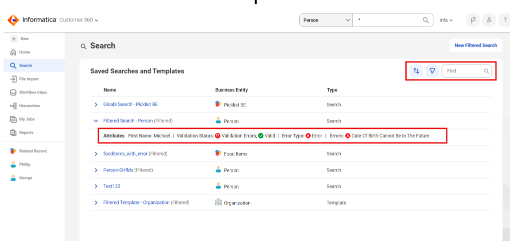
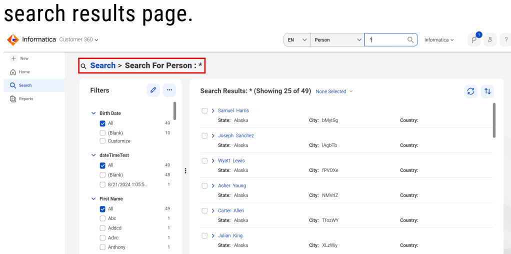
You can now upload CSV files up to 100 MB in size.

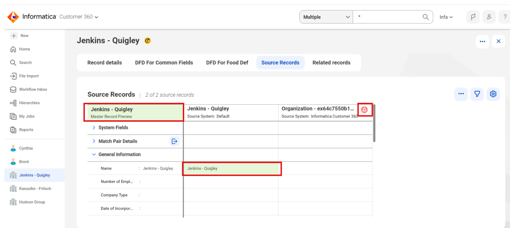
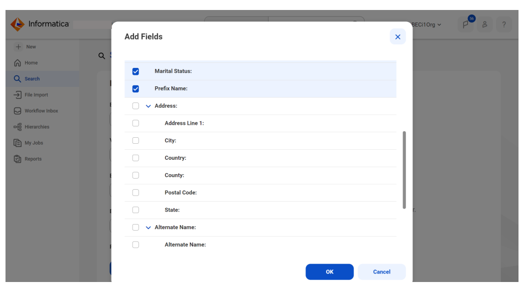
Previously, the maximum size was 20 MB.

For more information about importing data, see *Import Data*.

Enhanced user interface to manage records

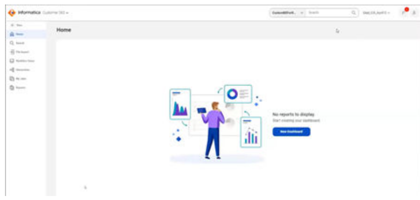
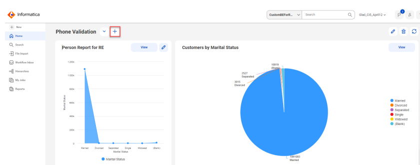
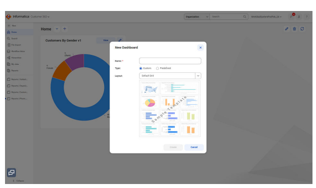
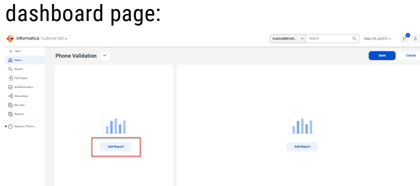
The following table lists the user interface changes to the search and record details pages:

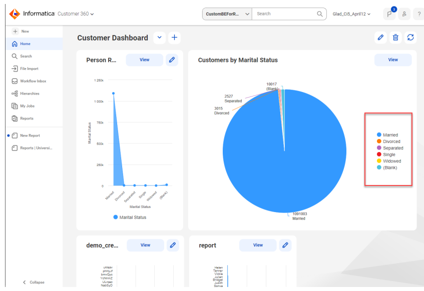
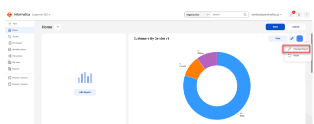
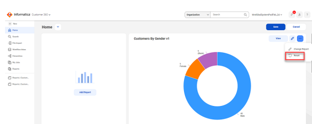
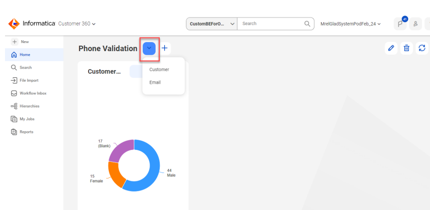
User interaface changes	Current behavior	Previous behavior
Visual enhancements to the Saved Searches and Templates page	You can see the following changes on the Saved Searches and Templates page: - You can now view saved searches and templates in a tabular format. - The values in the attributes field are now clearly differentiated, with each field value being separated. - You can now sort and filter saved searches and templates by their names, related business entities, and types. Additionally, you can use the search box to find saved searches and templates.  	Previously, saved searches and templates appeared in separate panels and the values in the attributes lacked differentiation.
Single business entity search	When you search for records in a single business entity, the name of the business entity appears in the header of the search results page.  	Previously, when you searched for records within a single business entity, the name of the business entity appeared on a tab on the search results page.
Icons on record details and search results pages	On the record details page, you can now see icons that indicate whether a record is valid, is pending approval, has restricted fields, or contains validation errors. On the search results page, the records display icons that indicate whether the records contain validation errors.	Previously, the records displayed text labels instead of icons.

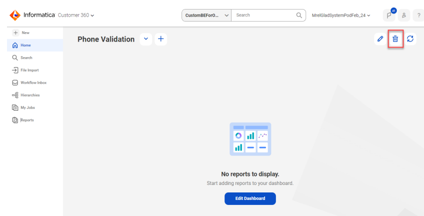
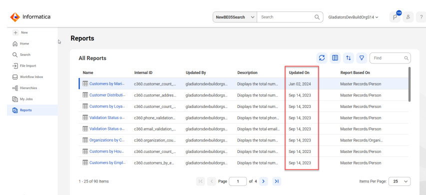
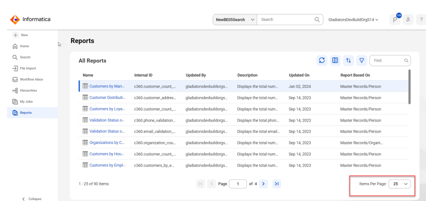
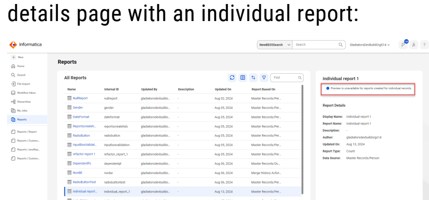
User interaface changes	Current behavior	Previous behavior
Visual enhancements to the Source Records page	You can see the following changes on the Source Records page: - The column header of a master record is now highlighted to distinguish it from source records. - A new icon identifies a patch record. - The column headers remain fixed when you scroll through the source records table. 	Previously, you coludn't distinguish master records from source records. Also, the headers didn't remain fixed when you scrolled through the source records table.
Filtered search	When you add new fields to a filtered search, you can select fields in the **Add Fields** dialog box, but you can no longer enter values to include in your search. The following image displays the Add Fields dialog box for a filtered search: 	Previously, you could enter values for the fields that you selected to include in your search.

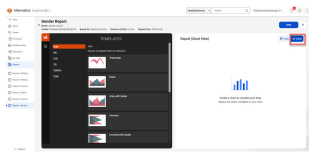
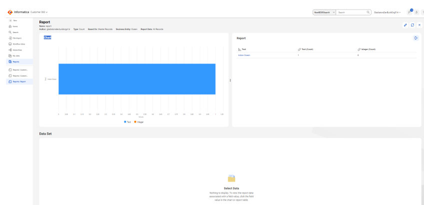
Enhanced user interface to manage reports and dashboards

The following table lists the changes to the user interface for reports and dashboards:

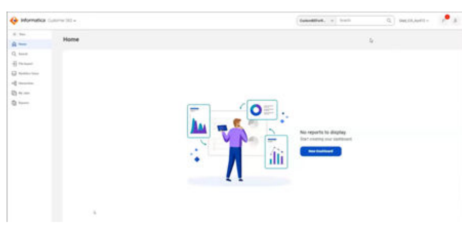
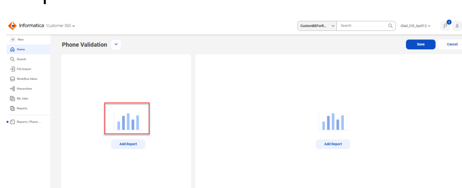
User interface element	Current behavior	Previous behavior
Add dashboards	Use the **New Dashboard** button to create a dashboard. The following image shows a sample **Home** page on which you can create a dashboard:  You can also use the **Add** icon on the **Home** page to create a dashboard. The following image shows a sample dashboard page:  Use the **New Dashboard** dialog box to create dashboards. The following image shows a sample **New Dashboard** window: 	Previously, the button and dialog box to create a dashboard were labeled **Add Dashboard**.
Add widgets to a record	Use the **Add Report** button to add a report to a dashboard page. The following image shows a sample empty dashboard page: 	Previously, the button to add a report was labeled **Add Widgets**.

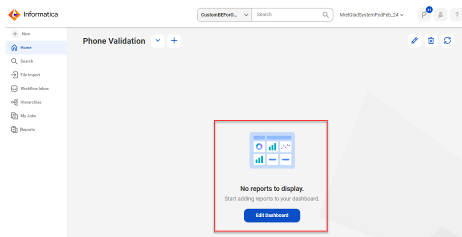
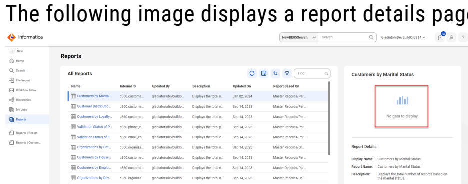
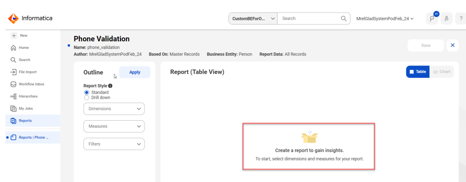
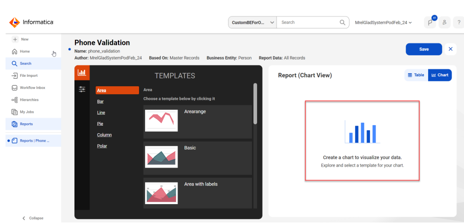
User interface element	Current behavior	Previous behavior
Position of legend of a pie chart	You can now view the legend on the right of a pie chart. 	Previously, the legend for a pie chart was displayed below the chart.
Edit widgets	Use the **Change Report** menu from the **Actions** menu to edit a widget in a dashboard. The following image shows a sample page to edit a widget: 	Previously, the button to edit a widget in a dashboard was labeled **Edit widget**.
Remove widgets	Use the **Reset** menu from the **Actions** menu to remove a widget from a dashboard. The following image shows a sample dashboard page with an option to remove a widget: 	Previously, the button to remove a widget from a dashboard was labeled **Remove widget**.
View dashboards	Use the dropdown option on the **Home** page to view the list of dashboards that are available. The following image shows a sample dashboard page with the dropdown option to view the list of dashboards: 	Previously, the dashboards were listed horizontally as tabs.

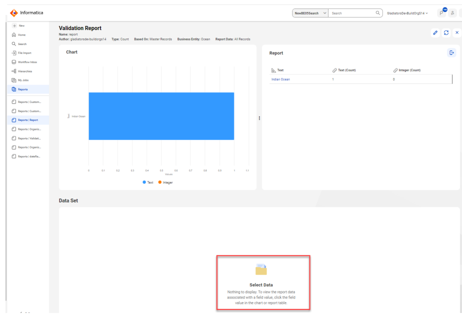
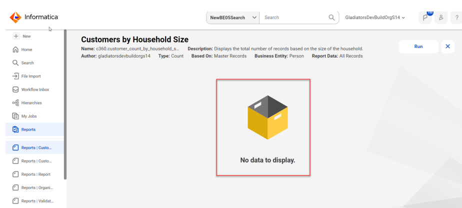
User interface element	Current behavior	Previous behavior
Delete dashboards	You can now delete a dashboard from the dashboard **Home** page using the **Delete** icon beside the **Edit** icon. The following image shows a sample dashboard page with the **Delete** icon: 	Previously, you could delete a dashboard when the dashboard layout appears in edit mode from the **Edit Dashboard** page. Additionally, the **Delete** icon was available beside the **Save** button.
View report details	The status icons for the field properties aren't available now on the **Reports** page. The following image shows the statuses of custom reports on a sample report details page:  Additionaly, you can now view 25 reports in the **Reports** page by default. The following image shows a sample report details page with pagination: 	Previously, you could view the status icons for the field properties on the **Reports** page. Additionally, you could view 10 reports in the Reports page by default.
View additional report details of a report	In the quick view panel, you can now view a message that preview for reports created for individual reports is unavailable. The following image shows a sample report details page with an individual report: 	Previously, the message displayed that data wasn't available.

User interface element	Current behavior	Previous behavior
Add a chart to custom reports	You can now use the **Chart** tab to add a chart to a custom report. The following image shows a sample page to add a chart: 	Previously, you could use the **Configure Chart** button to add a chart to a custom report.
Resize report component panel	You can't drag to adjust the data set panel now. The following image shows a sample report details page: 	Previously, you could adjust the data set panel.

The following table lists the pages for which you have an enhanced visual experience for the empty states:

User interface element	Current behavior	Previous behavior
Creating a dashboard	**Home** page to create a dashboard. The following image displays a sample **Home** page to create a dashboard: 	Previously, the **Home** page to create a dashboard had no illustrations.
Empty Dashboard	Empty dashboard template. The following image displays an empty dashboard template: 	Previously, the **Home** page to create a dashboard had no illustrations.

User interface element	Current behavior	Previous behavior
Report on a dashboard with no data	Dashboard page for a report with no data. The following image displays a dashboard with a report with no data: 	Previously, the dashboard with a report with no data had no illustrations.
View additional details of a report	In the quick view panel, when there is no data to display in the report. The following image displays a report details page: 	Previously, when there is no data to display in the report, the quick view panel had no illustrations.
Create a report.	When you create a report. The following image displays a sample **Reports** page with table view: 	Previously, the page to create reports had no illustrations.
Report (Chart View) panel	Before you create a chart, in the Report (Chart View) panel. The following image displays a sample **Reports** page with chart view: 	Previously, the page to create a chart had no illustrations.

User interface element	Current behavior	Previous behavior
Data set panel	When you have no data to display in a data set. The following image displays a sample report with data set panel: 	Previously, an empty data set panel had no illustrations.
Report with no data	Report with no data. The following image displays a sample report with no data: 	Previously, an empty report page had no illustrations.

CHAPTER 18

Multidomain MDM SaaS

The October 2024 release of Multidomain MDM SaaS includes the following updates.

Important notices

The October 2024 release includes the following important notice:

Preview lifted

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

- You can import, create, and update records with validation errors.
- Records can have one of the following validation statuses:
  - Valid. Records that don't have data quality issues.
  - Validation Errors. Records that have data quality issues.
- Records can have the following additional error types:
  - Errors. Data quality issues that are configured as errors.
  - Others. Data quality issues that can't be categorized as information, warning, or error.
- You can filter search results based on validation status, errors, and error types.
- You can now view predefined reports that display information about records with validation errors. You can also create custom reports on records that contain validation errors.
- The following predefined reports that display information about records with validation errors appear on the Reports page:
  - Number of Records by Business Entity
  - Number of Valid Records by Business Entity
  - Number of Records with Validation Errors by Business Entity

For more information about record validation, see *Manage records*.

New features and enhancements

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

Data enrichment

When you create or update records, you can enrich them by accepting CLAIRE recommendations.

For more information about data enrichment, see *Enriching records with CLAIRE recommendations*.

Dynamic fields in workflow tasks

After you add or update dynamic field values in records, you can now submit the changes for approval.

As an approver, you can update dynamic field values when you review tasks in Workflow Inbox. You can also compare changes to dynamic field values with the existing ones.

For more information about dynamic fields, see *Dynamic fields*.

Record validation

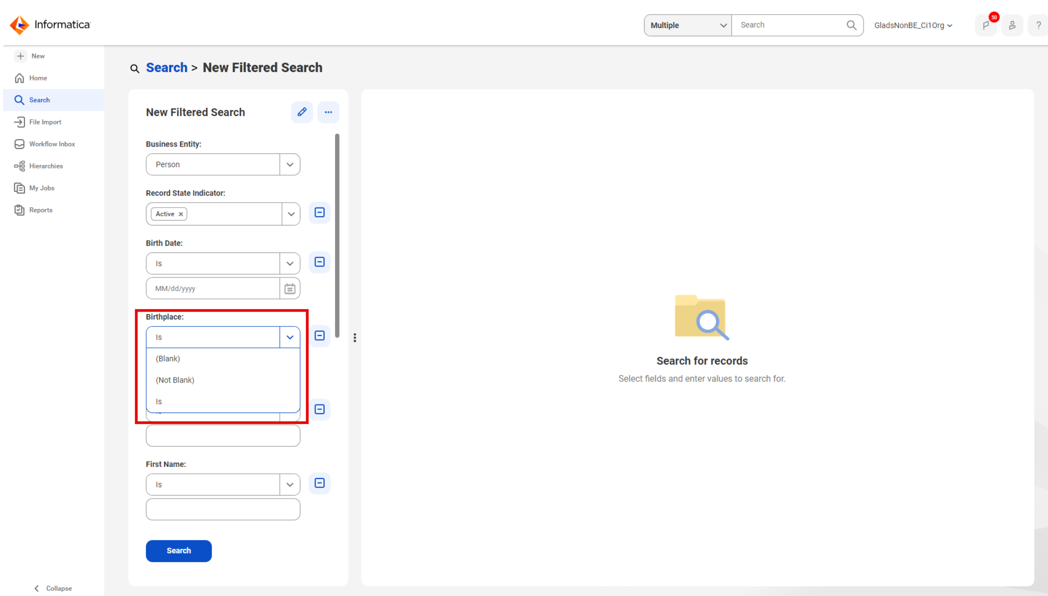
You can import, create, and update records with validation errors. You can filter search results by validation status, errors, and error types, and fix validation errors to improve data quality. Predefined reports and custom reports display information about records with validation errors.

For more information about validation errors, see *Manage records*.

Enhanced search

You can filter records based on fields that are blank, contain any values, or contain values that match the search term.

The following image displays the filter values for a specific field in the filtered search:



In the **Filters** panel, you can refine your search results by filtering records based on fields that are blank.

For more information about searching for records, see *Manage Records*.

Trust override

You can now override the trust scores of duplicate field groups and nested field group values.

For more information about overriding values of a master record, see *Establish the best version of the truth*.

Enhanced view of duplicate field group values

The views of the Source Records page, Merge Records page, Unmerge Records page, and Workflow Approval Merge Records page have been enhanced. They now display duplicate field group values side by side, providing a clear view of data from each source system.

For more information about merging and unmerging records, see *Establish the best version of the truth.*

Changed behavior

The October 2024 release includes the following changed behavior:

New UI experience

Effective in the October 2024 release, Multidomain MDM SaaS has the new visual experience enabled by default. The option to revert to the classic experience is not available.

Previously, you could revert to the classic experience by disabling the new visual experience.

Import data

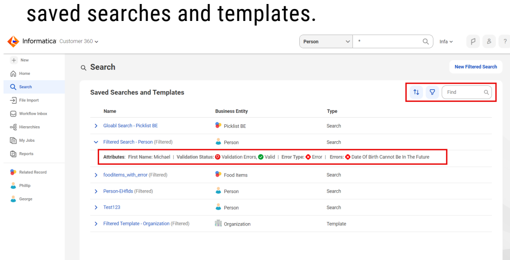
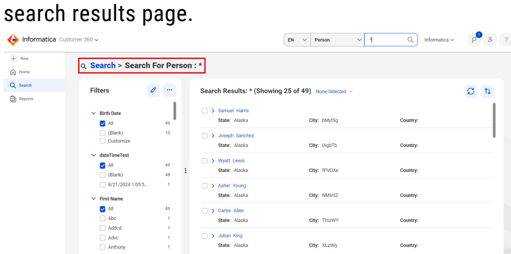
You can now upload CSV files up to 100 MB in size.

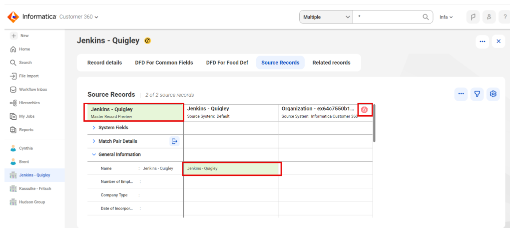
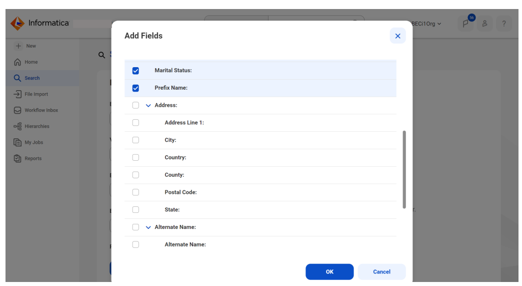
Previously, the maximum size was 20 MB.

For more information about importing data, see *Import Data*.

Enhanced user interface to manage records

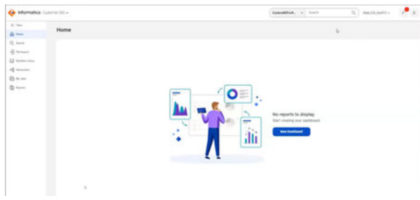
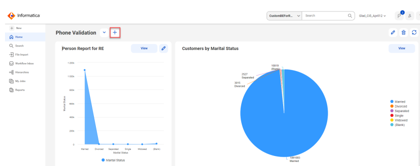
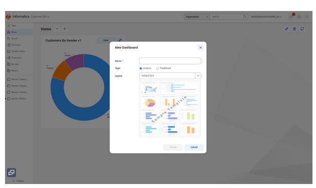
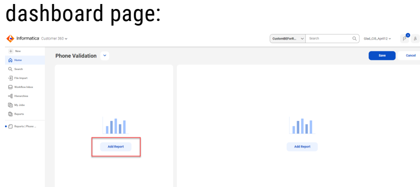
The following table lists the user interface changes to the search and record details pages:

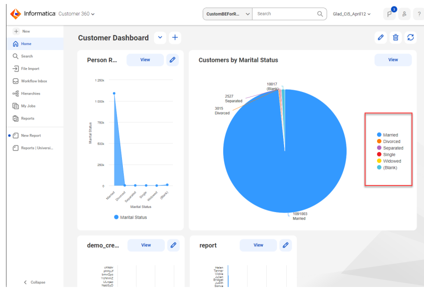
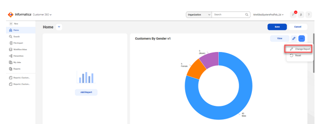
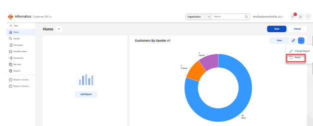
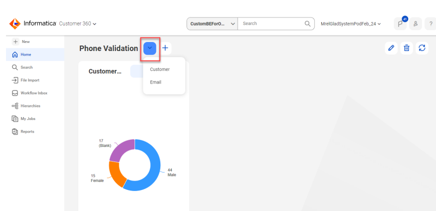
User interaface changes	Current behavior	Previous behavior
Visual enhancements to the Saved Searches and Templates page	You can see the following changes on the Saved Searches and Templates page: - You can now view saved searches and templates in a tabular format. - The values in the attributes field are now clearly differentiated, with each field value being separated. - You can now sort and filter saved searches and templates by their names, related business entities, and types. Additionally, you can use the search box to find saved searches and templates. 	Previously, saved searches and templates appeared in separate panels and the values in the attributes lacked differentiation.
Single business entity search	When you search for records in a single business entity, the name of the business entity appears in the header of the search results page. 	Previously, when you searched for records within a single business entity, the name of the business entity appeared on a tab on the search results page.
Icons on record details and search results pages	On the record details page, you can now see icons that indicate whether a record is valid, is pending approval, has restricted fields, or contains validation errors. On the search results page, the records display icons that indicate whether the records contain validation errors.	Previously, the records displayed text labels instead of icons.

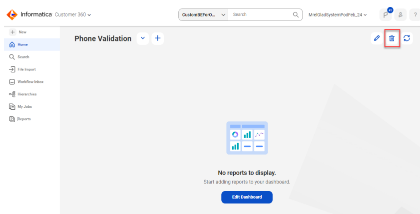
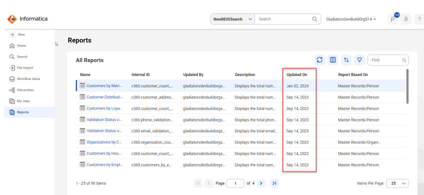
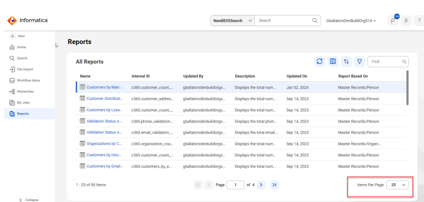
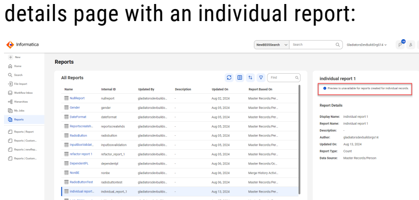
User interaface changes	Current behavior	Previous behavior
Visual enhancements to the Source Records page	You can see the following changes on the Source Records page: - The column header of a master record is now highlighted to distinguish it from source records. - A new icon identifies a patch record. - The column headers remain fixed when you scroll through the source records table. 	Previously, you coludn't distinguish master records from source records. Also, the headers didn't remain fixed when you scrolled through the source records table.
Filtered search	When you add new fields to a filtered search, you can select fields in the **Add Fields** dialog box, but you can no longer enter values to include in your search. The following image displays the Add Fields dialog box for a filtered search: 	Previously, you could enter values for the fields that you selected to include in your search.

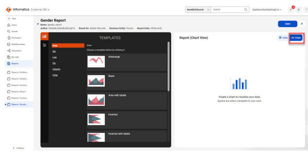
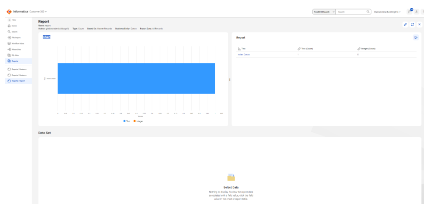
Enhanced user interface to manage reports and dashboards

The following table lists the changes to the user interface for reports and dashboards:

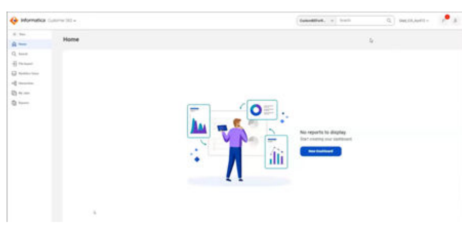
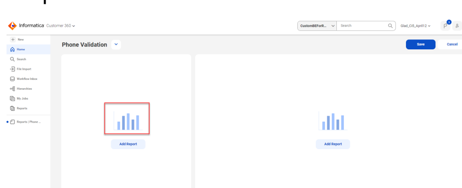
User interface element	Current behavior	Previous behavior
Add dashboards	Use the **New Dashboard** button to create a dashboard. The following image shows a sample **Home** page on which you can create a dashboard:  You can also use the **Add** icon on the **Home** page to create a dashboard. The following image shows a sample dashboard page:  Use the **New Dashboard** dialog box to create dashboards. The following image shows a sample **New Dashboard** window: 	Previously, the button and dialog box to create a dashboard were labeled **Add Dashboard**.
Add widgets to a record	Use the **Add Report** button to add a report to a dashboard page. The following image shows a sample empty dashboard page: 	Previously, the button to add a report was labeled **Add Widgets**.

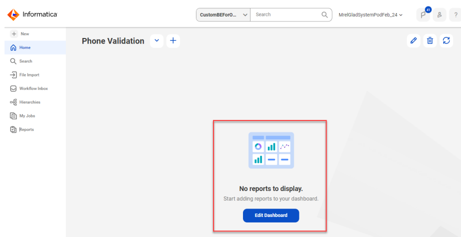
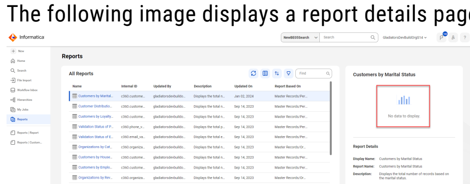
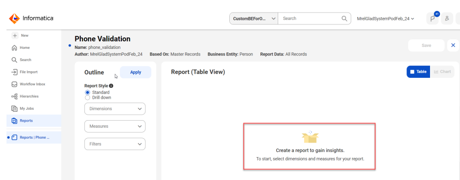
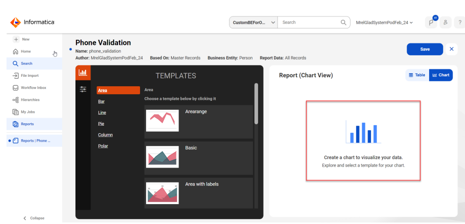
User interface element	Current behavior	Previous behavior
Position of legend of a pie chart	You can now view the legend on the right of a pie chart. 	Previously, the legend for a pie chart was displayed below the chart.
Edit widgets	Use the **Change Report** menu from the **Actions** menu to edit a widget in a dashboard. The following image shows a sample page to edit a widget: 	Previously, the button to edit a widget in a dashboard was labeled **Edit widget**.
Remove widgets	Use the **Reset** menu from the **Actions** menu to remove a widget from a dashboard. The following image shows a sample dashboard page with an option to remove a widget: 	Previously, the button to remove a widget from a dashboard was labeled **Remove widget**.
View dashboards	Use the dropdown option on the **Home** page to view the list of dashboards that are available. The following image shows a sample dashboard page with the dropdown option to view the list of dashboards: 	Previously, the dashboards were listed horizontally as tabs.

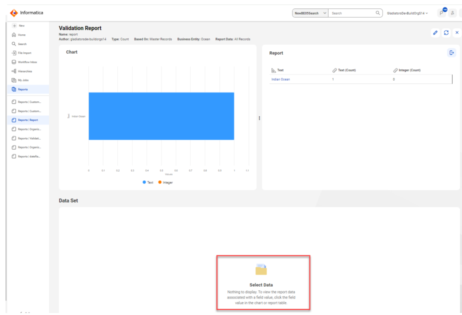
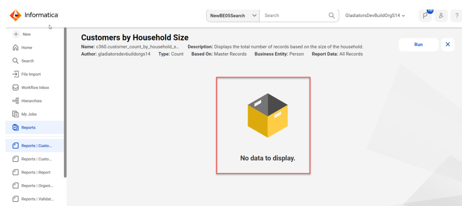
User interface element	Current behavior	Previous behavior
Delete dashboards	You can now delete a dashboard from the dashboard **Home** page using the **Delete** icon beside the **Edit** icon. The following image shows a sample dashboard page with the **Delete** icon: 	Previously, you could delete a dashboard when the dashboard layout appears in edit mode from the **Edit Dashboard** page. Additionally, the **Delete** icon was available beside the **Save** button.
View report details	The status icons for the field properties aren't available now on the **Reports** page. The following image shows the statuses of custom reports on a sample report details page:  Additionaly, you can now view 25 reports in the **Reports** page by default. The following image shows a sample report details page with pagination: 	Previously, you could view the status icons for the field properties on the **Reports** page. Additionally, you could view 10 reports in the Reports page by default.
View additional report details of a report	In the quick view panel, you can now view a message that preview for reports created for individual reports is unavailable. The following image shows a sample report details page with an individual report: 	Previously, the message displayed that data wasn't available.

User interface element	Current behavior	Previous behavior
Add a chart to custom reports	You can now use the **Chart** tab to add a chart to a custom report. The following image shows a sample page to add a chart: 	Previously, you could use the **Configure Chart** button to add a chart to a custom report.
Resize report component panel	You can't drag to adjust the data set panel now. The following image shows a sample report details page: 	Previously, you could adjust the data set panel.

The following table lists the pages for which you have an enhanced visual experience for the empty states:

User interface element	Current behavior	Previous behavior
Creating a dashboard	**Home** page to create a dashboard. The following image displays a sample **Home** page to create a dashboard: 	Previously, the **Home** page to create a dashboard had no illustrations.
Empty Dashboard	Empty dashboard template. The following image displays an empty dashboard template: 	Previously, the **Home** page to create a dashboard had no illustrations.

User interface element	Current behavior	Previous behavior
Report on a dashboard with no data	Dashboard page for a report with no data. The following image displays a dashboard with a report with no data:  	Previously, the dashboard with a report with no data had no illustrations.
View additional details of a report	In the quick view panel, when there is no data to display in the report. The following image displays a report details page:  	Previously, when there is no data to display in the report, the quick view panel had no illustrations.
Create a report.	When you create a report. The following image displays a sample **Reports** page with table view:  	Previously, the page to create reports had no illustrations.
Report (Chart View) panel	Before you create a chart, in the Report (Chart View) panel. The following image displays a sample **Reports** page with chart view:  	Previously, the page to create a chart had no illustrations.

User interface element	Current behavior	Previous behavior
Data set panel	When you have no data to display in a data set. The following image displays a sample report with data set panel: 	Previously, an empty data set panel had no illustrations.
Report with no data	Report with no data. The following image displays a sample report with no data: 	Previously, an empty report page had no illustrations.

CHAPTER 19

Monitor

The October 2024 release of Monitor includes the following updates.

New features and enhancements

The October 2024 release of Monitor includes the following new features.

Notifications

Use the **Notifications** page to view and manage notifications from the past 30 days. You can also set up email notifications in your user settings.

Session logs for mapping tasks

When you run a mapping task in verbose execution mode, the session log contains details about custom properties configured for the task and the Data Integration Server.

UI availability during deployment window

The user interface for Monitor will be partially available during the deployment window.

For more information, see the KB article October 2024 UI availability for Administrator and Monitor.

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