



Informatica® Cloud Data Integration for
PowerCenter

April 2024

Domain Monitoring

Informatica Cloud Data Integration for PowerCenter Domain Monitoring

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Preface

Read *Domain Monitoring* to learn how to monitor your CDI-PC domain in Informatica Intelligent Cloud Services. Learn how to view domain details, monitor domain status, and synchronize your licenses across the domain and Informatica Intelligent Cloud Services.

CHAPTER 1

Monitor a CDI-PC domain

You can view domain details and monitor a domain from the CDI-PC service page.

When you register a domain, you establish communication between the domain and Informatica Intelligent Cloud Services. You can view domain details such as the number and status of nodes and services in a domain. Identify domains or services that are unavailable and troubleshoot issues. If a domain appears offline due to loss of connectivity, you can reconcile the status to reestablish connectivity with the domain.

View domains

View a list of registered domains on the **Explore** page. The page displays information such as domain status, node and service status, and other domain information. You can view domain information in a card view or table view.

To open the **Explore** page, click **Explore** on the navigation panel of the **Home** page or click **Manage your Domains**. You can switch between card and table views to view the domains.

The following table describes the domain details:

Property	Description
Display Name	The domain display name.
Status	Status of the domain.
Update status	If an update is available, indicates whether the update is scheduled, in progress, or failed. If no update is available, indicates that the domain is on the latest version. If a mandatory update is available and has passed the due date, the status appears as obsolete. You can't update an obsolete domain. To update the domain, contact Informatica Global Customer service.
Version	The current version of the domain.
Total Nodes	The total number of nodes in the domain. Appears in the table view.
Nodes	The number of nodes by status in the domain.

Property	Description
Services	The number of services by status in the domain.
Created On	Date and time of registration of the domain.

You can view additional information including Created by, Modified by, and Modified on details in the table view. By default the columns are hidden. Click anywhere on the header to display or hide columns.

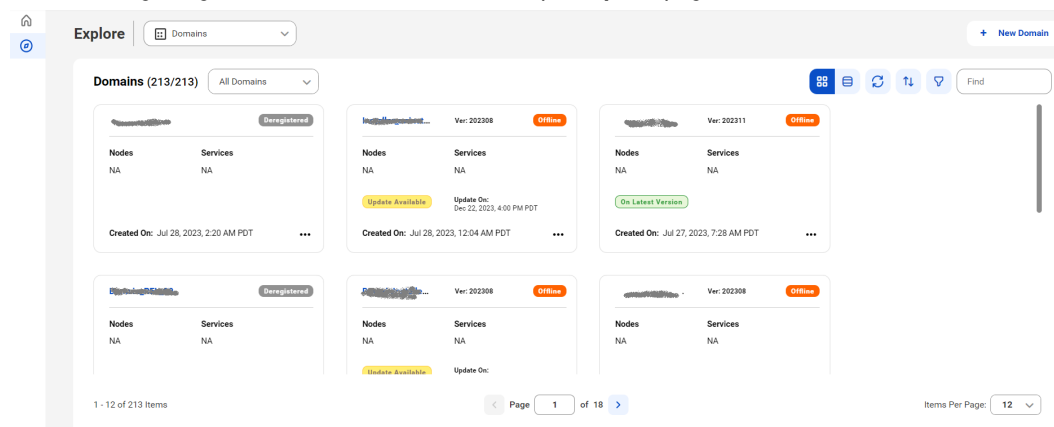
To update the information on the page, click the **Refresh** button. You can search, sort, or apply filters to view specific domains. To open a **Domain Details** page and view detailed information about a domain, click the display name.

To perform tasks without opening the **Domain Details** page, click the **Actions** button. The **Actions** menu is on the lower right corner of each domain card in the card view, and in the **Actions** column in the table view. The tasks that you can perform depend on the status of the domain. Tasks that you can't perform appear disabled in the **Actions** menu.

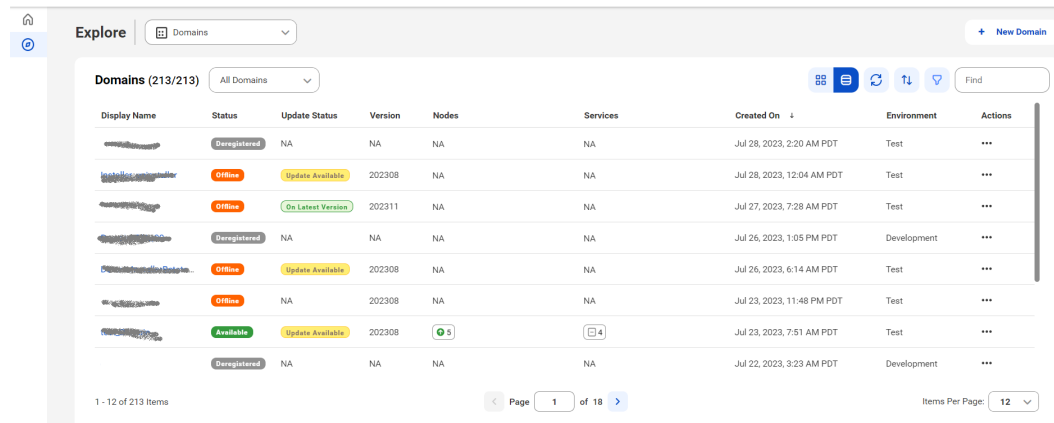
You can perform the following tasks on a domain from the **Explore** page:

Task	Description
Deregister	Deregisters the domain and moves the domain to Deregistered state. You can't run sessions and workflows in a deregistered domain. You can deregister a domain that is Available.
Delete	Deletes a domain from Informatica Intelligent Cloud Services. Available if the domain is in Deregistered state.
Retry Registration	Registers a domain that you deregistered. Retry registration if you want to start using a domain that you previously deregistered. Available if the domain is deregistered.
Edit	You can edit the domain details.
Sync Domain License	Synchronizes licenses between the domain and Informatica Intelligent Cloud Services.
Reconcile	Attempts to reestablish connectivity with the domain. Available if the domain appears offline in Informatica Intelligent Cloud Services. You need to provide domain administrator credentials to perform this task.

The following image shows the card view of a sample **Explore** page:



The following image shows the table view of a sample **Explore** page:



Display Name	Status	Update Status	Version	Nodes	Services	Created On	Environment	Actions
...	Deregistered	NA	NA	NA	NA	Jul 28, 2023, 2:20 AM PDT	Test	...
...	Offline	Update Available	202308	NA	NA	Jul 28, 2023, 12:04 AM PDT	Test	...
...	Offline	On Latest Version	202311	NA	NA	Jul 27, 2023, 7:28 AM PDT	Test	...
...	Deregistered	NA	NA	NA	NA	Jul 26, 2023, 1:05 PM PDT	Development	...
...	Offline	Update Available	202308	NA	NA	Jul 26, 2023, 6:14 AM PDT	Test	...
...	Offline	NA	202308	NA	NA	Jul 23, 2023, 11:48 PM PDT	Test	...
...	Available	Update Available	202308	5	4	Jul 23, 2023, 7:51 AM PDT	Test	...
...	Deregistered	NA	NA	NA	NA	Jul 22, 2023, 3:23 AM PDT	Development	...

Search and filter

To view specific domains on the **Explore** page, you can search, sort entries, or apply filters.

To open the **Explore** page with domains filtered by a specific status, click links in the **Domain Status** section on the **Home** page.

You can search for domains by the display name from the search field.

Select the high-level filters to filter based on domain update information. To view domains that are not on the latest version, apply the **Needs Update** filter. To view domains on which update application failed, apply the **Update Failed** filter.

You can filter and search for domains by multiple domain properties, including the display name, domain status, update status, and node or service status.

You can sort the order of domain entries by properties such as the display name, update and version information, domain status, and creation details.

Note: Filters, search text, and sort settings that you apply on the page are saved in the browser cache and reflect the next time you log in from the same browser.

View domain details

You can view detailed information about a domain on the **Domain Details** page. View the domain status, status of nodes and services, and information about available updates. You can also perform tasks on the domain.

To open a **Domain Details** page, click the display name of the domain on the **Explore** page. To view the latest status information on the page, click the **Refresh** button.

Domain information appears in the following sections:

General

Displays the status and general properties of the domain.

Nodes

Displays the count of nodes categorized by status and the name and type of nodes. A node can be available, unavailable, or disabled. This section doesn't appear for offline and deregistered domains.

Services

Displays the name, type, and count of services categorized by status. A service can be available, unavailable, or disabled. This section doesn't appear for offline and deregistered domains.

Version and Update

Displays current version details and details of updates available. If an update is available, the default scheduled date appears. You can customize the schedule and set an earlier date and time for the update to run. You can click **View Update Plan** to view the update plan. If an update is in progress, you can click **View Domain Update** to view the progress of the update.

To perform tasks on the domain, click the **Actions** menu. Depending on the status of the domain you can deregister, retry registration, reconcile, or delete a domain. You can also sync the domain license.

Domain status

You can view the status of a domain on the **Explore** page and on the **Domain Details** page. The status depends on whether Informatica Intelligent Cloud Services can connect to the domain. Factors such as lack of connectivity between the cloud and the domain might impact the status.

A domain can appear in the following statuses:

Available

The CDI-PC domain is registered and available.

Deregistered

Deregistration of the domain is complete. The domain might be started, but you can't log in to the Administrator tool, perform operations that require authentication, or run jobs in the domain.

Offline

Informatica Intelligent Cloud Services can't connect to the domain. Appears in the following scenarios:

- The CDI-PC domain is shut down.
- There is no communication between Informatica Intelligent Cloud Services and the CDI-PC domain.
- The Secure Agent is shut down. You can restart the agent to reestablish connection.
- The domain registration status is unknown due to an error during registration or deregistration.
- A domain update is in progress.

If a domain appears offline, you can try to reestablish a connection with the domain. If the status is offline because the domain is shut down, you first need to start the domain. After the domain is started, you can reestablish a connection with the domain. For information about reconciling domain status, see [“Reconcile the status of a domain” on page 9](#). If the domain is offline because an update is in progress, you can't reconcile the status. Wait for the update job to finish.

Synchronize domain licenses

When you register a domain, CDI-PC synchronizes licenses between the domain and Informatica Intelligent Cloud Services. If you migrated an Informatica domain, your Informatica licenses synchronize with your Informatica Intelligent Cloud Services subscription details. If you add incremental licenses after you register

your domain, you must synchronize the domain licenses with Informatica Intelligent Cloud Services before you can use the features that the license provides.

1. On the **Explore** page, select a domain to open the **Domain Details** page.
2. Click **Actions > Sync Domain Licenses**.

You can also select the option on the **Explore** page.

3. From the Administrator tool, recycle the services that use the license.
This ensure that the domain updates to the latest license added.

Reconcile the status of a domain

If a domain is offline, the service tries at regular intervals to reestablish connectivity. If the domain has been offline for more than one hour, the service can't establish connectivity. You can reconcile the domain to manually reestablish a connection between the domain and the cloud.

If the domain is offline because you shut down the domain, start the domain before you reconcile the domain status. If you just initiated a domain restart, wait for the domain to start before you reconcile the status.

1. On the **Explore** page, click the domain **Actions** menu.
2. Click **Reconcile**.
3. On the confirmation message that appears, click **Reconcile Domain**.
4. Enter the domain credentials and click **Reconcile Domain**.

Offline mode

A domain goes into offline mode when you deregister the domain or when there is a loss of connectivity between the domain and Informatica Intelligent Cloud Services. Because the service can't connect to or monitor the CDI-PC domain, the domain transitions to offline mode.

When you deregister a domain, the domain moves to offline mode immediately. If there is a loss of connectivity between the domain and Informatica Intelligent Cloud Services, the service is resilient to the temporary loss of connectivity with the domain for a period of two hours. During the two-hour resilience timeout period, the domain tries to reestablish connectivity. During this period, you can perform all tasks in the domain as usual. If connectivity can't be restored even after two hours, the domain goes into offline mode.

In offline mode, you can't log in or run jobs in a domain. Jobs that are in progress when the domain transitions to offline mode might be impacted. The impact depends on the time required for the job to complete and the authentication requirements of the job.

Note the following changes in a domain in offline mode:

- You can't initiate a session in the Administrator tool or the CDI-PC Client. You receive an error message which indicates that the domain is not connected to Informatica Intelligent Cloud Services.
- If you are logged in to the Administrator tool when the domain goes offline, you can continue to create new services.

- If you are logged in to the CDI-PC Client when the domain goes offline, you can't perform any create, edit, or delete operations. You can perform a limited number of operations such as viewing objects that are open.
- You can't start jobs with write or fetch operations to the CDI-PC Repository Service.
- You can't edit objects in offline mode. Editing objects requires write operations on the object metadata.
- If the domain goes into offline mode after you perform a write operation on an open object, if you keep the client session active, you can save the changes and run the operation when the domain comes online. If you close the CDI-PC Client, changes that you didn't save before the domain went offline are lost.
- If you are logged in to the CDI-PC Client when the domain goes offline, you can view and navigate through objects in folders that are already open. You can't open new folders after the domain goes offline.
- If a workflow is scheduled to run on a repeat schedule, it gets repeatedly rescheduled by 5 minutes while the domain is offline. Because of this, a scheduled workflow can take up to 10 minutes to run as per schedule after the domain is back online.
- You can't start, schedule, or recover workflows in offline mode.
- If the domain goes into offline mode when a workflow is in progress, all sessions and tasks in the workflow continue to run.
- You can retrieve logs for previous session and workflow runs in offline mode, but you can't view results of **Get Run Properties** operations. To fetch the run properties, the CDI-PC Repository Service must be accessible. Because the repository isn't accessible, **Get Run Properties** returns an error that the domain is not connected to Informatica Intelligent Cloud Services.
- You can't run pmrep or pmcmd commands for operations that require a connection to the repository.
- When the domain goes offline, jobs in progress continue if authentication is complete. Because authentication requests are blocked, the job fails at the next request for authentication.
- If you disable the CDI-PC Repository Service process on a node in a multi-node domain, the service becomes available on another node. The CDI-PC Client and pmrep might reconnect successfully to the service within the service resilience timeout period. Even though they reconnect to the service, since the domain is in offline mode, you can't perform any tasks that require a connection to the repository.