



Informatica® Cloud Data Integration for
PowerCenter

April 2024

Domain Registration

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Table of Contents

- Preface 4**
- Chapter 1: Domain registration..... 5**
 - Register a domain. 5
 - Edit domain details. 6
 - Editing domain details. 7
 - Deregister a domain. 7
 - Register a deregistered domain. 8
- Chapter 2: Deleting a domain..... 9**
 - Delete a domain. 10

Preface

Read *Domain Registration* to learn how to register your CDI-PC domain in Informatica Intelligent Cloud Services. Learn how to register and deregister a domain and to update domain details.

CHAPTER 1

Domain registration

To establish communication between an on-premises domain and Informatica Intelligent Cloud Services, register the domain in Informatica Intelligent Cloud Services. You can update the details of a registered domain if needed.

You can view the domain status and perform domain monitoring and management tasks such as updating registered domains. Deregister the domain if you don't need to monitor it. You can retain a deregistered domain and register it again at a later point. If you don't want to retain the domain, you can delete the domain.

Register a domain

Before you can create and run jobs in a CDI-PC domain or monitor the domain from Informatica Intelligent Cloud Services, you need to register the domain. When you register the domain, you link the on-premises domain with the cloud and establish communication between them.

If you created the domain from the backup of a domain that you previously registered, by running the `restoreDomain` command, you might encounter a validation error when you register the domain. To avoid this error, include the following advanced option and set it to true when you run the `restoreDomain` command:-

```
cdr true
```

The option uses the argument `clear_cloud_registration_info_from_domain_repository` and clears the registration details from the domain repository when set to true.

If the domain uses Kerberos authentication, you must import the TLS certificates of the Administrator tool and the domain into the browser before you can register or perform any tasks that require domain authentication. The operating system user and the domain administrator user must be the same, because the operating system user details are used to authenticate with the domain. The user logged in to the system from where you open the browser must be a domain admin user and must be in the Active Directory configured to the domain.

1. Log in to Informatica Intelligent Cloud Services and select Cloud Data Integration for PowerCenter (CDI-PC).
2. On the **Home** page, click the **Add New Domain** button on the **Register a Domain** section.
You can also open the **Explore** page from the navigation panel and click the **Add New Domain** button.
3. Enter the general properties.

The following table lists the properties that you enter:

Property	Description
Domain Name	The name of the CDI-PC domain that you want to register.
Domain Display Name	A display name for the CDI-PC domain. By default, the display name is the same as the domain name. You can update the name if needed. The name can be different from the domain name, but the name must be unique in the organization.
Gateway Host	Host name of the gateway node machine.
Gateway Node Port	HTTPS port used by the gateway node.
Description	Optional. A description of the domain.

4. In the **Secure Agent Details** section, enter the name of the Secure Agent group.
Secure Agents in the group require access to the domain.
5. In the **Domain Security Details** section, choose the authentication type.
Choose Kerberos if the domain that you are registering uses Kerberos authentication.
6. In you choose non-Kerberos, enter the name of the security domain and the domain Administrator user name. If you choose Kerberos, enter the security domain. The service uses the operating system logged-in user details of the system from where you register the domain.
7. Click **Validate** to validate the details.
Note: If the validation fails with a Read timed out error, retry validation.
8. When validation succeeds, click **Register** to register the domain.

If there is a break in connectivity, the domain might remain in Registering state indefinitely. Wait for at least 15 minutes and then click the **Refresh** button to refresh the information. If the domain status appears as offline, reconcile the domain status.

For information about reconciling a domain, see *Reconcile a domain status* in Domain Monitoring.

After you register a domain, you can monitor the domain from the **Explore** page and view detailed information on the **Domain Details** page.

Edit domain details

You can update the details of domains in any state. You might not be able to save the changes in some cases, and in some states, the edit might change the status of the domain.

Read the following information before you edit the details of a domain:

- If you edit and save the details of a deregistered domain, the domain gets registered and appears as Available.
- If you rename a domain or change the port number of a domain, you must edit the domain details in the CDI-PC service before you perform any other tasks on the domain.
- You can edit details of domains that are on version August 2023 or later. You can't edit details of domains on earlier versions.

- You can't edit the details of a domain while an update is in progress.
- If a domain is available, the edit succeeds if the details that you update, such as the host or port details, are of the same domain and the updated domain can connect to Informatica Intelligent Cloud Services.
- Editing of an offline domain succeeds only if the update corrects the issue that caused the domain to go offline. The domain becomes available when you save the changes. For example, the domain is offline because the Secure Agent is unavailable and you edit the domain details to change the Secure Agent.
- If the update status of a domain is Update Failed, you can update details such as the domain display name, description, and Secure Agent information. If you edit other details, the update fails when you retry.
- If you edit a deregistered domain, you can't provide the details of another domain that is registered in Informatica Intelligent Cloud Services.
- If you change a domain that you registered as non-Kerberos to Kerberos, you can't edit the domain details to Kerberos. You must register the domain again in Informatica Intelligent Cloud Services. The domain registration details get deleted from the domain machine. The domain goes offline in Informatica Intelligent Cloud Services. You can delete the domain entry and then register the domain again, or simply register the domain again in Informatica Intelligent Cloud Services.

Editing domain details

You can edit the details of a domain from the **Domains** view on the **Explore** page or from the **Domain Details** page.

1. On the **Explore** page, select a domain to open the **Domain Details** page.
2. Click the **Edit** button.
You can also click **Edit** from the **Actions** menu on the **Explore** page.
3. Update the details and click **Save**.
You can update the general properties, Secure Agent group, and security details of the domain.
4. Enter the domain Administrator credentials and click **Save**.
In a Kerberos domain, the operating system logged-in user details are used to authenticate.

Deregister a domain

You can deregister a domain if you don't need to monitor or perform tasks in the domain. You can't log in to a CDI-PC domain after you deregister the domain. Deregister a domain if you plan to delete the organization, or move to a different organization or pod. You can't register the domain in another organization or on another pod, unless you deregister the domain.

If a domain update is in progress, you can't deregister the domain even if the domain status appears as available. Deregistering a domain impacts running jobs. The jobs might stop.

1. On the **Explore** page, click the domain **Actions** menu.
You can also click the **Actions** menu on the **Domain Details** page.
2. Click **Deregister**.
3. On the confirmation message that appears, click **Deregister**.
4. Enter the domain credentials and click **Deregister**.
In a Kerberos domain, the operating system logged-in user details are used to authenticate.

Register a deregistered domain

If you want to perform tasks in a domain that you deregistered, you can register the domain.

1. On the **Explore** page, click the domain **Actions** menu.

You can also click the **Actions** menu on the **Domain Details** page.

2. Click **Retry Registration**.
3. On the confirmation message that appears, click **Retry Registration**.
4. Enter the domain credentials and click **Retry Registration**.

In a Kerberos domain, the operating system logged-in user details are used to authenticate.

CHAPTER 2

Deleting a domain

You might stop using a domain or want to delete a domain at some point. To completely delete a CDI-PC domain, you need to delete the domain entry from Informatica Intelligent Cloud Services and uninstall the domain from the domain machine.

On the CDI-PC service page in Informatica Intelligent Cloud Services, you can delete domains that are in deregistered and offline states.

Deregistered domains

When you deregister a domain on the service page, you retain the domain on the domain machine and the domain entry on the CDI-PC service page. The domain still exists and you can register the domain again if you want to resume use of the domain.

You can clear the deregistered domain entry from the service page by deleting the domain. In this case, the domain machine still exists. To complete the domain deletion, you must then uninstall the domain.

Alternately, if you uninstalled the domain after you deregistered it on the service page, you can delete the domain entry on the service page to complete the deletion.

Offline domains

Note: You can delete offline domains that are on version April 2024 or later.

A domain might appear offline in Informatica Intelligent Cloud Services for multiple reasons. The impact of deleting an offline domain differs depending on the reason why the domain appears offline.

You might uninstall a domain from the domain machine without deregistering the domain in Informatica Intelligent Cloud Services. The domain entry still exists. Because the domain was not deregistered, the domain appears offline when it is uninstalled and loses communication with Informatica Intelligent Cloud Services. You can delete such domains that are in offline state because you uninstalled the domain and it doesn't exist. Delete the domain entry in Informatica Intelligent Cloud Services to complete the deletion.

A domain might appear offline because of a temporary loss of connectivity with Informatica Intelligent Cloud Services. Because it is in offline state, you can delete the domain from Informatica Intelligent Cloud Services. In this case, the domain still exists on the domain machine and contains the registration details. If you delete the domain entry from Informatica Intelligent Cloud Services, you cannot register the domain again with these details because the domain machine still contains the previous registration information. To register the domain again, contact Informatica Global Customer Support.

A domain appears offline during an update. As part of the update process, domains are shut down and then started again when the update completes. If a domain appears offline because a domain update is in progress, you can't delete the domain.

Delete a domain

If you no longer need a domain, you can delete it. You can delete domains that are in deregistered and offline states. Deleting a domain on the CDI-PC service page only removes the domain entry in Informatica Intelligent Cloud Services.

If the domain is in the available state, deregister the domain before you delete it.

1. On the **Explore** page, click the domain **Actions** menu.
You can also click the **Actions** menu on the **Domain Details** page.
2. Click **Delete**.
3. On the confirmation message that appears, click **Delete**.