



Informatica® INFACore
November 2023

INFACore Installation

Informatica INFACore INFACore Installation
November 2023

© Copyright Informatica LLC 2022, 2024

This software and documentation are provided only under a separate license agreement containing restrictions on use and disclosure. No part of this document may be reproduced or transmitted in any form, by any means (electronic, photocopying, recording or otherwise) without prior consent of Informatica LLC.

U.S. GOVERNMENT RIGHTS Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, duplication, disclosure, modification, and adaptation is subject to the restrictions and license terms set forth in the applicable Government contract, and, to the extent applicable by the terms of the Government contract, the additional rights set forth in FAR 52.227-19, Commercial Computer Software License.

Informatica, Informatica Cloud, Informatica Intelligent Cloud Services, PowerCenter, PowerExchange, and the Informatica logo are trademarks or registered trademarks of Informatica LLC in the United States and many jurisdictions throughout the world. A current list of Informatica trademarks is available on the web at <https://www.informatica.com/trademarks.html>. Other company and product names may be trade names or trademarks of their respective owners.

Portions of this software and/or documentation are subject to copyright held by third parties. Required third party notices are included with the product.

The information in this documentation is subject to change without notice. If you find any problems in this documentation, report them to us at infa_documentation@informatica.com.

Informatica products are warranted according to the terms and conditions of the agreements under which they are provided. INFORMATICA PROVIDES THE INFORMATION IN THIS DOCUMENT "AS IS" WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING WITHOUT ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY OR CONDITION OF NON-INFRINGEMENT.

Publication Date: 2024-02-05

Table of Contents

Preface	4
Informatica Resources.	4
Informatica Documentation.	4
Informatica Intelligent Cloud Services web site.	4
Informatica Intelligent Cloud Services Communities.	4
Informatica Intelligent Cloud Services Marketplace.	4
Data Integration connector documentation.	5
Informatica Knowledge Base.	5
Informatica Intelligent Cloud Services Trust Center.	5
Informatica Global Customer Support.	5
Chapter 1: INFACore installation overview	6
Before you begin.	6
Register with INFACore and create a trial account.	7
Verify system requirements.	10
Set up the development environment.	10
Installing the INFACore Python SDK.	11
Installing INFACore for JupyterLab	11
Launch the JupyterLab extension for INFACore.	13
Next steps.	15
Index	16

Preface

Refer to *INFACore Installation* for information about how to install INFACore in your development environment. Learn how to set up your development environment to install INFACore and the related SDK libraries, and launch INFACore from your development environment.

Informatica Resources

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

Informatica Documentation

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

If you have questions, comments, or ideas about the product documentation, contact the Informatica Documentation team at infa_documentation@informatica.com.

Informatica Intelligent Cloud Services web site

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

Informatica Intelligent Cloud Services Communities

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

Access the Informatica Intelligent Cloud Services Community at:

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

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

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

Informatica Intelligent Cloud Services Marketplace

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

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

Data Integration connector documentation

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

Informatica Knowledge Base

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

To search the Knowledge Base, visit <https://search.informatica.com>. If you have questions, comments, or ideas about the Knowledge Base, contact the Informatica Knowledge Base team at KB_Feedback@informatica.com.

Informatica Intelligent Cloud Services Trust Center

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

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

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

To subscribe, go to <https://status.informatica.com/> and click **SUBSCRIBE TO UPDATES**. You can then choose to receive notifications sent as emails, SMS text messages, webhooks, RSS feeds, or any combination of the four.

Informatica Global Customer Support

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

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

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

CHAPTER 1

INFACore installation overview

Welcome to the INFACore installation of the Python SDK and the JupyterLab extension for INFACore.

The INFACore SDK is available for the Python programming language that you can use in any Python-based development environment such as Databricks Notebook and JupyterLab. Additionally, INFACore also includes a user interface extension for JupyterLab.

You can install the following libraries based on your requirement:

INFACore SDK for Python

Install the INFACore SDK for Python in any Python-based development environment. You can use the INFACore SDK for Python to access INFACore functionalities programmatically and manage your data directly from your development environment.

JupyterLab extension for INFACore

Install the JupyterLab extension for INFACore in a JupyterLab environment. When you install the extension, you also need to install the INFACore SDK for Python to interact with INFACore and manage your data from within your JupyterLab development environment.

Before you begin

Before you install INFACore, perform the following pre-implementation tasks:

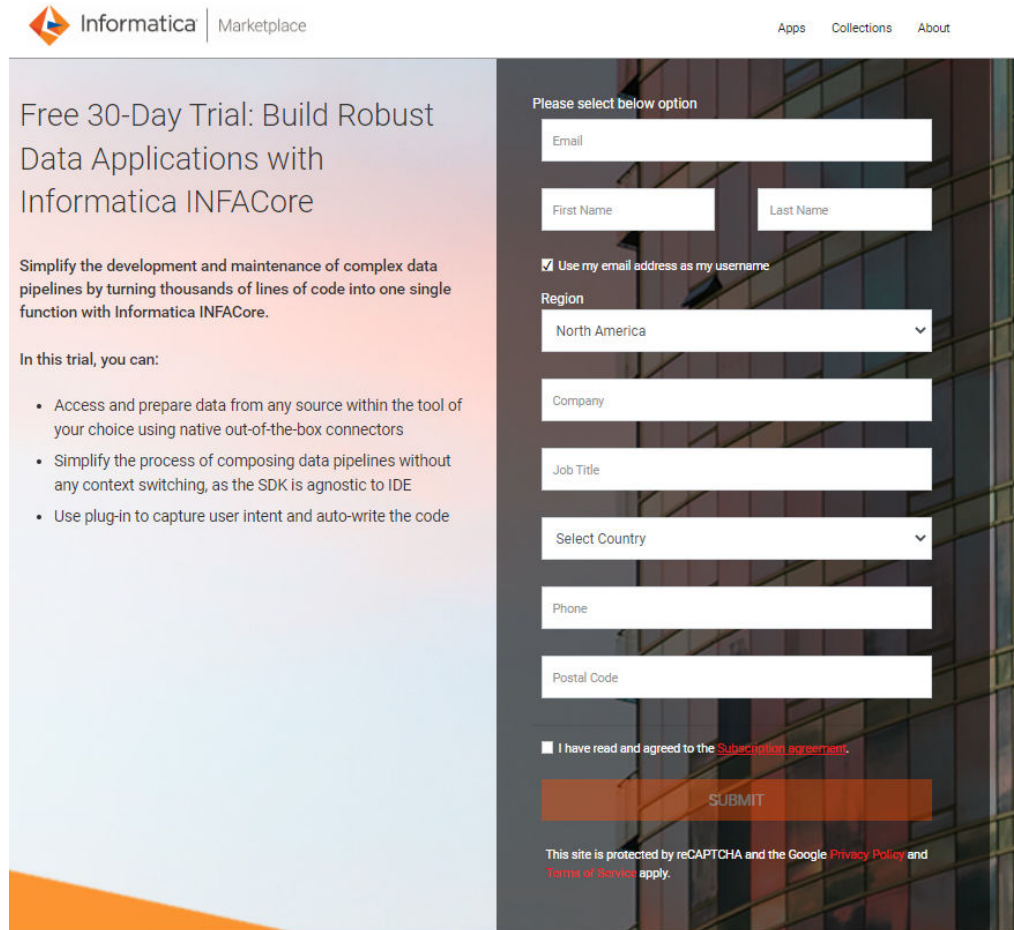
- New users can register with INFACore from Informatica Marketplace and create an INFACore trial account. For more information, see [“Register with INFACore and create a trial account” on page 7](#), and then download the INFACore libraries from Informatica Marketplace.
- If you are an existing Informatica Intelligent Cloud Services user, you can raise a service request with Global Customer Support to enable the INFACore edition to your existing organization. When the INFACore edition is enabled, you can select INFACore from the My Services page, and download the INFACore libraries from the INFACore page to your development environment. You can also download the INFACore libraries from [Informatica Marketplace](#).
- Verify if your machine meets the pre-installation requirements.
- Set up your development environment to use INFACore.

Register with INFACore and create a trial account

When you register with INFACore, an organization is created for you.

To create a trial account, perform the following tasks:

1. Go to [Informatica Marketplace](#) and fill in the form, as shown in the following image:



The screenshot shows the Informatica Marketplace registration page. The header includes the Informatica logo and 'Marketplace' text, with navigation links for 'Apps', 'Collections', and 'About'. The main content area is split into two columns. The left column features a promotional banner for a 'Free 30-Day Trial: Build Robust Data Applications with Informatica INFACore'. The text describes simplifying data pipeline development and lists three benefits: accessing data from various sources, simplifying pipeline composition, and using plug-ins for user intent capture. The right column contains a registration form with the following fields: 'Email', 'First Name', 'Last Name', a checked checkbox for 'Use my email address as my username', a 'Region' dropdown menu (set to 'North America'), 'Company', 'Job Title', a 'Select Country' dropdown menu, 'Phone', and 'Postal Code'. At the bottom of the form is a 'SUBMIT' button and a checkbox for 'I have read and agreed to the Subscription agreement'. A footer note states: 'This site is protected by reCAPTCHA and the Google Privacy Policy and Terms of Service apply.'

You will receive a registration confirmation email with a link to verify and create your password. The link contains your user name and the login URL details.

2. Click **Verify me now** in the email.

Dear [REDACTED],

Welcome to the Informatica family! We are so glad that you're here! Before you can dive into the great features we have to offer, please verify your account:

[Verify me now](#)

You have 48 hours to verify your account. If the link expires, please click [here](#) to get a new account confirmation email.

Please hang on to the following important information for future reference:

- Username: [REDACTED]
- Login URL: [REDACTED]

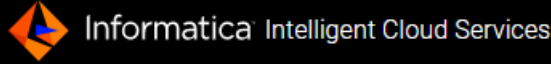
Once you have verified your account, you'll be on your way.

Thanks!

The Informatica Cloud Team

You are redirected to the **Create Your Account** page.

3. Set your password, security question, read the privacy policy, and click **Submit**.



Create Your Account

Your User Name

Your New Password

Confirm New Password

Your Security Question

Choose an option: ▼

Your Security Question's Answer

Click here to receive marketing communications from Informatica about products, solutions and events of Information and its partners. You can opt out of receiving these communications at any time.

This service may collect information about the operation, organization, and use of the service, possibly including your user ID, password and IP address.

[See the Informatica privacy policy.](#)

Copyright © 1993-2022 Informatica LLC. All Rights Reserved.

[Check the system status.](#)

You are all set! You can use these credentials to log in to INFACore.

Verify system requirements

The machine where you install INFACore requires the following minimum hardware and software configurations:

Component	Requirement
Cores per CPU	A minimum of four cores.
RAM/Memory	A minimum 16 GB.
Operating System	Microsoft Windows - Windows 10 Enterprise (64-bit) - Windows 2016 Server (64-bit) - Windows 2019 Server (64-bit) Linux - RedHat 7.x (64-bit) - RedHat 8.x (64-bit) - SUSE 12 SPS (64-bit) - Ubuntu 20.04 (64-bit)
Disk Space	25 GB
Microsoft Visual C++ libraries	64-bit 2010 Microsoft Visual C++ libraries must be installed on the Windows machine.
Network	- Requires access to the web server that runs the Informatica Intelligent Cloud Services. - Requires network connectivity or internet access to sources and targets. - Requires ports that are open within the firewall to allow the compute engine to connect to Informatica Intelligent Cloud Services. By default, the agent uses HTTPS port 443 for any outbound communication. For more information, see POD Availability and Networking for INFACore.
Browser	- Firefox - Chrome - Safari

Set up the development environment

Before you install, you need to set up your development environment to use INFACore.

INFACore SDK for Python

To install the INFACore SDKs for Python, set up your Python development environment. The Python version must be 3.8.0 to 3.11.x.

JupyterLab extension for INFACore and the INFACore SDK for Python

Before you install the JupyterLab extension for INFACore and the INFACore SDKs for Python, you need to set up a JupyterLab environment to use INFACore.

INFACore supports the following JupyterLab and python versions:

- The JupyterLab version must be 3.4.2 to 3.x.
- The Python version must be 3.8.0 to 3.11.x.

For example, if you want to set up a conda environment, run the following command from the Anaconda prompt:

```
conda create -n jupyterlab-ext --override-channels --strict-channel-priority
-c conda-forge -c nodefaults jupyterlab=3 python=3.10.4
```

Installing the INFACore Python SDK

Install the INFACore Python SDK libraries from Informatica Marketplace to your Python development environment.

1. Go to [Informatica Marketplace](#).
2. Download the following package to the environment where you want to install the INFACore Python SDK:
Informatica-infacore
3. To install the Python SDK package, `informatica_infacore`, run the following command:

```
pip install informatica_infacore-1.0.0-py3-none-any.whl
```

After you complete these steps, you can open your development environment and start using the INFACore Python SDK.

Installing INFACore for JupyterLab

Install the JupyterLab extension for INFACore and the Python SDK libraries to work with JupyterLab. You can download the extension and Python SDK libraries from Informatica Marketplace.

1. Download the following packages from [Informatica Marketplace](#):
 - Informatica-infacore
 - jupyterlab-infacore
2. Optional. If you are using Anaconda, activate the conda environment where you want to install the packages:

```
conda activate jupyterlab-ext
```

For example, if the name of the conda environment you created is `jupyterlab-ext`, use the same name to activate the environment.

```
(base) C:\Users\john>conda activate jupyterlab-ext
```

3. From the command prompt, go to the root directory that contains the packages.

```
(jupyterlab-ext) C:\Users\john>cd C:\INFACore
```
4. Install the packages in the following order from the root directory:

- a. To install the Python SDK package, `informatica_infacore`, run the following command:

```
pip install informatica_infacore-1.0.0-py3-none-any.whl
```

For example,

```
(jupyterlab-ext) C:\INFACore>pip install informatica_infacore-1.0.0-py3-none-any.whl
```

- b. To install the jupyterLab extension for INFACore, jupyterlab_infacore package, run the following command:

```
pip install jupyterlab_infacore-1.0.0-py3-none-any.whl
```

For example,

```
(jupyterlab-ext) C:\INFACore>pip install jupyterlab_infacore-1.0.0-py3-none-any.whl
```

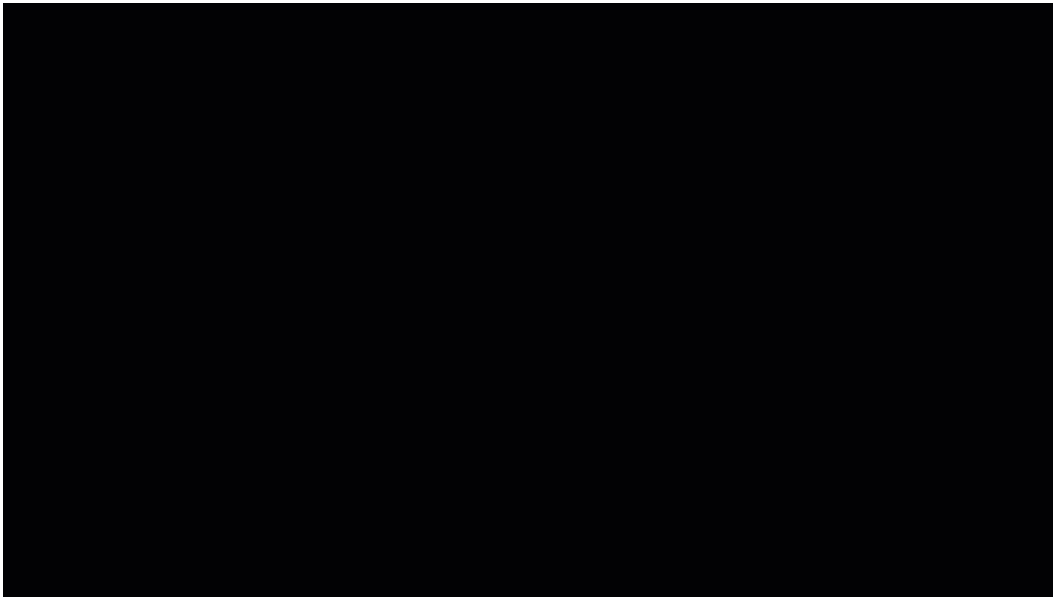
5. To activate the JupyterLab extension for INFACore, run the following command:

```
jupyter server extension enable jupyterlab_infacore
```

For example,

```
(jupyterlab-ext) C:\INFACore>jupyter server extension enable jupyterlab_infacore
```

You can watch the installation steps here:



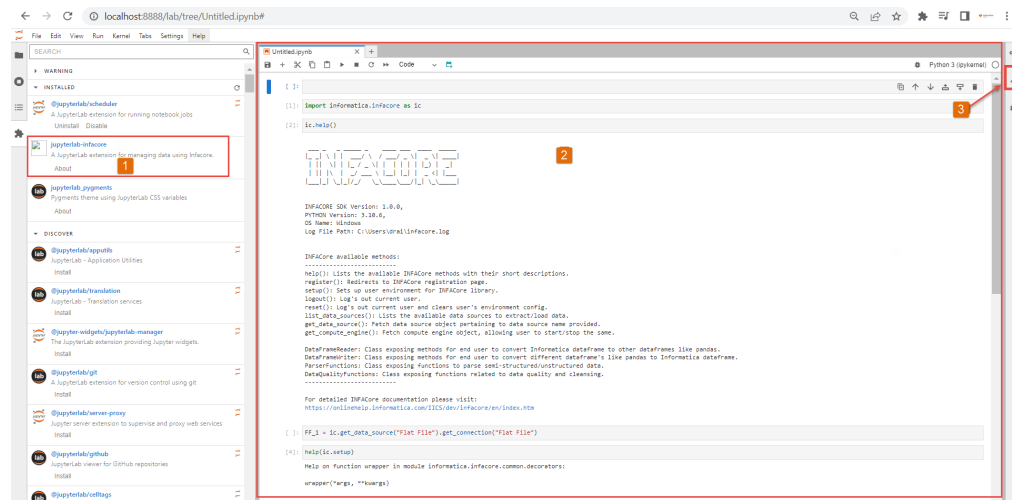
After you complete these steps, you can launch JupyterLab.

Launch the JupyterLab extension for INFACore

After you install the INFACore packages, launch JupyterLab, and you can view the JupyterLab extension for INFACore in your JupyterLab development environment.

1. Launch JupyterLab.

The JupyterLab server instance opens in your browser.



You can view the following elements:

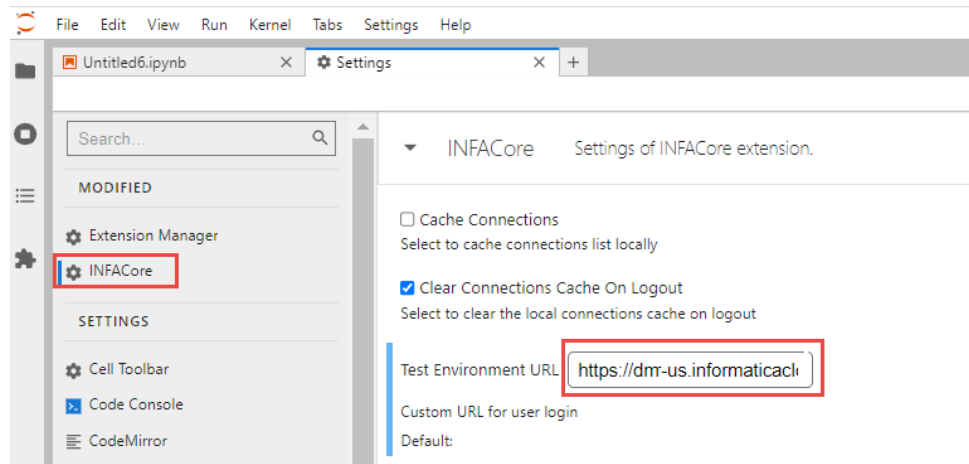
1. The installed INFACore `jupyterlab-infacore` extension.
2. The JupyterLab work area where you can use the INFACore SDK for Python to programmatically access INFACore.
3. The JupyterLab extension for INFACore on the right-hand corner.

2. On the JupyterLab **Settings** tab, and perform the following tasks:

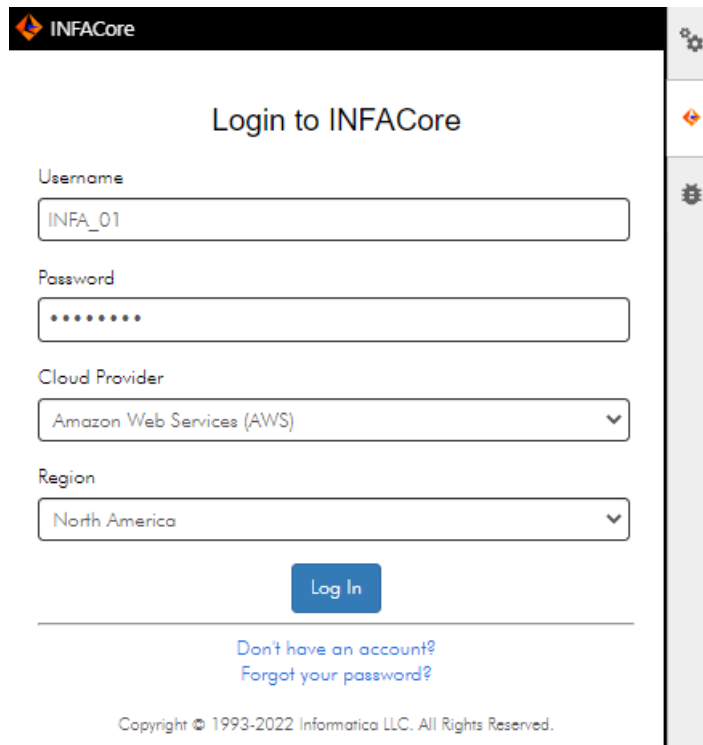
- a. Go to **Advanced Settings Editor**.

- b. On the left-hand pane in the Navigator, click INFACore, and then enter the INFACore URL in the **Test Environment URL** field. For example, to log in to the test POD, you enter the following URL: `https://dmr-us.informaticacloud.com`.

Important: The INFACore URL is created dynamically in a production POD. You do not need to explicitly enter the URL in your JupyterLab environment settings to log in to INFACore from JupyterLab in the production POD. Perform steps 2a-b only if you are using the staging, test, or sandbox PODs.



3. To log in from the JupyterLab extension for INFACore, click the Informatica icon to view the **Log In** page.



If you have an account, you can enter your credentials, including the cloud provider and region that correspond to the name of the POD (Point of Deployment) that your organization uses and log in to INFACore. If you do not have an account, you can click, **Don't have an account?** and proceed from there to Informatica Marketplace to register and create an account.

Next steps

Congratulations on completing the installation tasks! You can log into INFACore and leverage Informatica Intelligent Cloud Services capabilities from your development environment.

To find out more about how to use INFACore, check out the INFACore documentation.

INDEX

C

Cloud Application Integration community
URL [4](#)
Cloud Developer community
URL [4](#)

D

Data Integration community
URL [4](#)

I

Informatica Global Customer Support
contact information [5](#)
Informatica Intelligent Cloud Services
web site [4](#)

M

maintenance outages [5](#)

S

status
Informatica Intelligent Cloud Services [5](#)
system status [5](#)

T

trust site
description [5](#)

U

upgrade notifications [5](#)

W

web site [4](#)