



Informatica® INFACore  
December 2022

# INFACore Installation Quick Start

Informatica INFACore INFACore Installation Quick Start  
December 2022

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# 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
  - 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 an account. . . . . 6
  - 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. . . . . 12
- Next steps. . . . . 13
  
- Index..... 14**

# Preface

Refer to *INFACore Installation Quick Start* 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](mailto:infa_documentation@informatica.com).

### Informatica Intelligent Cloud Services web site

You can access the Informatica Intelligent Cloud Services web site at <http://www.informatica.com/cloud>.

### 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/>

## Informatica Knowledge Base

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

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

## Informatica Intelligent Cloud Services Trust Center

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

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

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

To subscribe, 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 Customer Support Center by telephone or online.

For online support, click **Submit Support Request** in Informatica Intelligent Cloud Services. You can also use Online Support to log a case. Online Support requires a login. You can request a login at <https://network.informatica.com/welcome>.

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.

You can install the following libraries based on your requirement:

### **INFACore SDK for Python**

You can install and use the INFACore SDK for Python to access INFACore functionalities programmatically and manage your data in any Python application.

### **JupyterLab extension for INFACore**

You can 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.

**Note:** INFACore is available for preview.

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

## Before you begin

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

- Register with INFACore from Informatica Marketplace and create an account.
- Verify that your machine meets the pre-installation requirements.
- Set up your development environment to use INFACore.

## Register with INFACore and create an account

Before you use INFACore, ensure that you have an active INFACore account. You need the trial or the licensed edition based on your requirement to access INFACore.

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

To create an 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 logo at the top left. Below it is a large orange banner with the text "Build Robust Data Applications With INFACore". Underneath the banner, there is a section titled "Build Robust Data Applications With INFACore" with a brief description of the product. To the right of this text is a registration form titled "Yes, I'd like a preview of Informatica INFACore." The form includes fields for Email Address, First Name, Last Name, Company, Job Title, Level, Job Function, Country, State / Province, and Phone. There is also a checkbox for "Yes, I would like to receive communications from Informatica about products, solutions and events." and a "Register" button at the bottom.

**Build Robust Data Applications With INFACore**

Simplify the development and maintenance of complex data pipelines by turning thousands of lines of code into one single function with Informatica INFACore.

INFACore is the industry's first open, extensible and embeddable intelligent headless data management solution for developers, data scientists and data engineers. Plus, it works as a plug-in for any development or data science integrated development environment (IDE).

Want to learn more? Just complete the form to get a sneak peek of INFACore in action. Discover its many benefits, including the ability to:

- Enable data scientists and data engineers to access and prepare data from any source within their tool of choice
- Simplify the process of composing data pipelines
- Empower data scientists to build and train models with high-quality, relevant data

**Yes, I'd like a preview of Informatica INFACore.**

\* Email Address:

\* First Name:  \* Last Name:

\* Company:  To select, begin typing \* Job Title:

\* Level:  Select... \* Job Function:  Select...

\* Country:  Select... \* State / Province:  Select...

\* Phone:

Yes, I would like to receive communications from Informatica about products, solutions and events.

See the Informatica [privacy policy](#) for details on how we collect, use, and share information about you.

**Register**

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]

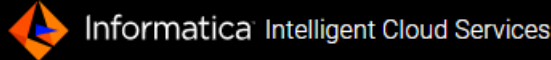
Once you have verified your account, you'll be on your way.

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.](#)

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[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 7.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.
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 3.7.1 and later, but must not exceed 3.10.4.

### 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 or later.
- The Python version must be 3.7.1 and later, but must not exceed 3.10.4.

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.

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
```

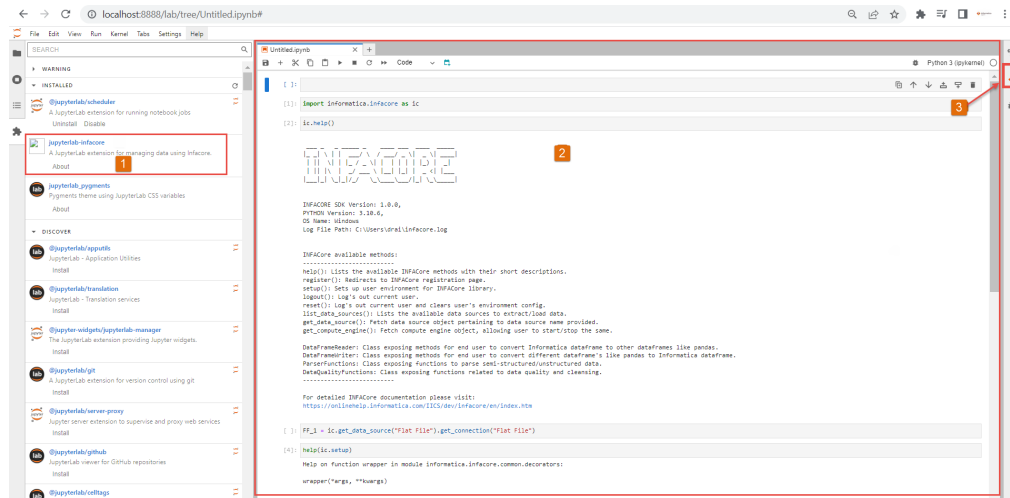
After you complete these steps, you can launch JupyterLab.

# 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.

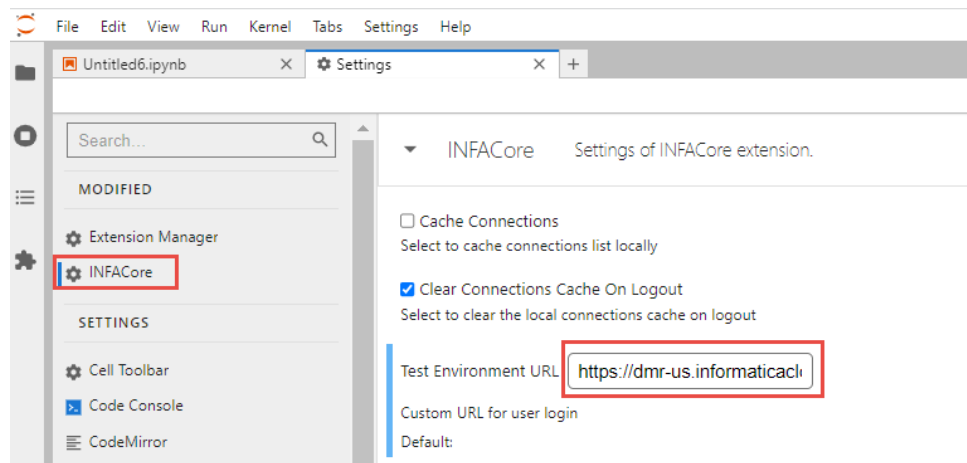


You can view the following elements:

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. In the Navigator on the left-hand pane, click INFACore, and then enter the following URL in the **Test Environment URL** field: `https://dmr-us.infomaticacloud.com`



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



INFACore

## Login to INFACore

Username

Password

Log In

[Don't have an account?](#)  
[Forgot your password?](#)

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If you have an account, you can enter your credentials to 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](#)