

# Add a new Application for CAST Imaging

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## Login

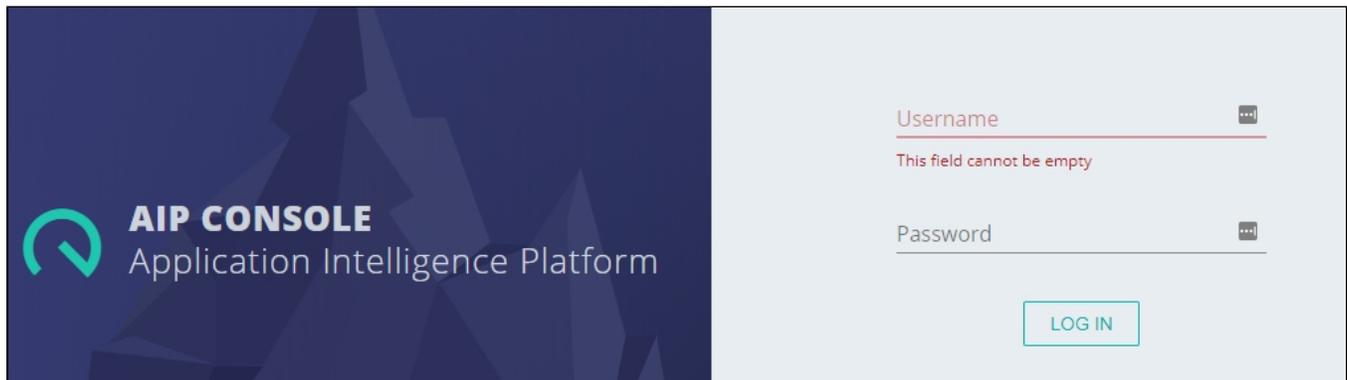
Before you add a new Application, you need to login to AIP Console. Browse to the following URL:

```
http://<server>:8081/ui/index.html
```

Remember to modify the URL to your local environment:

- Change **localhost** to the machine on which the AIP Console package is running
- Change the **port number** if anything other than port 8081 has been configured

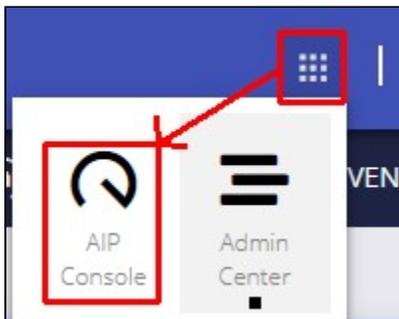
Following login page is displayed, enter your login credentials:



## Add a new Application

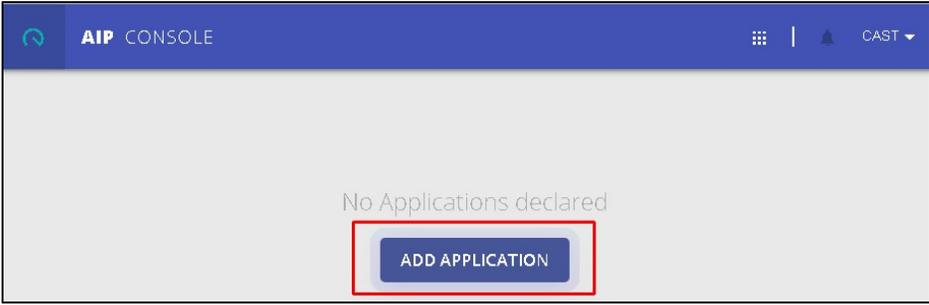
 To add a new Application, your AIP Console login must have the **Admin** or **Application Owner** [role](#).

Move to the **AIP Console** screen, if you are not already there:

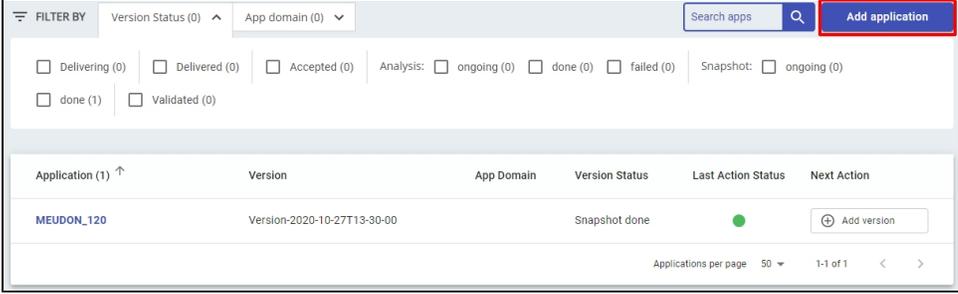


Click the **Add Application** button:

**No existing Applications**



**Existing Applications**



A floating dialog box will prompt you to fill in details for the new Application:

## Add application

Application Name \*

Domain Name

CSS Server

Manage Version History i

CANCEL
ADD

## Application Name

A **name** for the Application.



- The following characters are not authorized in Application names : \ / : \* ? " < > |
- Identical Application names are not authorized.
- Application names are case insensitive, therefore attempting to create an application called **TEST** when **test** already exists

### Corresponding schema names created on the CAST Storage Service/PostgreSQL instance

General constraints:

- Three schemas are required using the following **suffixes**, except where a GUI is used as explained below:
  - **\_mngt** = Management schema
  - **\_local** = Analysis schema
  - **\_central** = Dashboard schema
- A valid CAST Storage Service/PostgreSQL schema name is a string of **63 or fewer characters**.
- The schema name must begin with a **letter** or an **underscore** (**\_**).
- Subsequent characters can be **letters**, **underscores** or **digits (0-9)**.
- Schema names beginning with **"pg\_"** are reserved for system purposes and therefore cannot be used.

Taking into account the constraints mentioned above, AIP Console does the following list of transformations to generate a **prefix name**, in this example: **\*8App\_Prod! (main.app)**

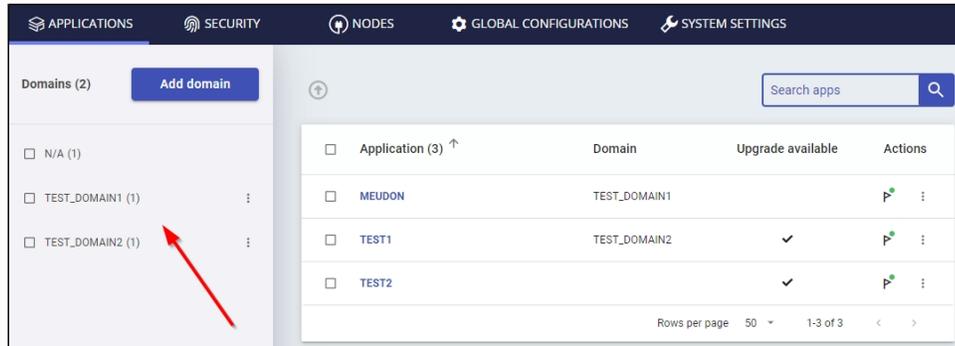
- take the application name and put it in lower case: **\*8-app\_prod! (main.app)**
- replace space, dash "-" or dot "." and replace with an underscore: **\*8\_app\_prod!\_(main\_app)**
- remove all invalid characters (the characters that are not letters, underscores or digits (0-9)): **8\_app\_prod\_main\_app**
- if the prefix starts with a digit or "pg\_", add an underscore before: **\_8\_app\_prod\_main\_app**
- if the prefix is longer than 55 characters (63 - 8 characters for suffix) reduce it to 55 by removing the last characters, giving:
  - **\_8\_app\_prod\_main\_app\_mngt**
  - **\_8\_app\_prod\_main\_app\_local**
  - **\_8\_app\_prod\_main\_app\_central**
- if a schema with the chosen prefix already exists:
  - if the prefix is longer than 52 characters (55 - 3 characters for counter) reduce it to 52 by removing the last characters
  - for a counter from 01 to 99 add counter suffix and check if schema exists:
    - **\_8\_app\_prod\_main\_app\_01**
    - **\_8\_app\_prod\_main\_app\_02**
    - ...
    - **\_8\_app\_prod\_main\_app\_99**
  - if all possible schemas exist then generate schema prefix from the application guid, giving the following:
    - **uuid\_5446d035\_7d96\_4f16\_853e\_a1b89e044029\_mngt**
    - **uuid\_5446d035\_7d96\_4f16\_853e\_a1b89e044029\_local**
    - **uuid\_5446d035\_7d96\_4f16\_853e\_a1b89e044029\_central**

## Domain Name

### A domain name:

- if this is the first Application you are adding, no domain names will exist - you can therefore either enter the name of a domain and the Application is added, or leave the field blank in which case the Application will not belong to any domain (listed under **No Domain**).
- if you have already added an Application and created a domain at the same time, or you have **manually added a domain**, all existing Applications will be listed in a drop down list. Selecting one will assign the new Application to the existing domain.

 A domain is a method of grouping Applications together primarily to assign **user roles**.



Application (3) ↑	Domain	Upgrade available	Actions
<input type="checkbox"/> MEUDON	TEST_DOMAIN1		
<input type="checkbox"/> TEST1	TEST_DOMAIN2	✓	
<input type="checkbox"/> TEST2	TEST_DOMAIN2	✓	

Rows per page: 50 | 1-3 of 3

-  A "domain" is a method of grouping Applications together so that **user roles** can be assigned to all the Applications in a given domain managed in the **Administration Center**.
- Following characters should not be used in Domain names: \ / : \* ? " < > | ( )

**License Key (AIP Console 2.x only)**

This field is visible in AIP Console **2.2** only when the **Named Application license key scope** has been chosen by the administrator when (see [Complete start-up wizard - v. 2.x](#)). It enables you to input the specific license key for the Application you are creating. The license the Application you are creating.

### Add application

Application Name \*

Domain Name

License Key \* 

Manage Version History 

CANCEL **ADD**

 This field is not visible in AIP Console 1.x.

**CSS  
Server (AIP  
Console 2.  
x only)**

This field is visible in AIP Console **2.2** only when more than one CAST Storage Service/PostgreSQL instance has been added and configured in [Configuration Center - Settings - CSS and Measurement settings](#). It enables you to choose which CAST Storage Service/PostgreSQL instance and schemas required for the new Application. Note that the PostgreSQL database name is shown to help you choose the correct host:

### Add application

Application Name \*

Domain Name

CSS Server

- 192.168.200.107:2285/postgres
- UBUNTU2004:2282/postgres

Manage Version History 

CANCEL ADD

 This field is not visible in AIP Console **1.x**.

Nodes (AIP Console 1.x only)

## Add application

Application Name\*

Domain Name

Nodes  
local node

local node AIP - 8.3.37

0 Applications

RAM 8.0 GiB - CPU 2.2 GHz

16.2 GiB Free

Manage Version History 

CANCEL

ADD

Choose the **AIP Node** on which you want to add the Application. All schemas required for the new Application will be installed on the **CAI/PostgreSQL server** associated with the selected node (this was configured during the **AIP Node package - back-end installation**):

Nodes

AMLWCH

AMLWCH

0 Applications

RAM 4.0 GiB - CPU 2.8 GHz

5.5 GiB Free

WIN10TEST

0 Applications

RAM 4.0 GiB - CPU 2.8 GHz

32.8 GiB Free

 This field is not visible in Console **2.0**: Nodes are stateless and a load balancing mechanism is in place, therefore, the Node is c Console. Console will always choose the Ndoe running the most recent release of AIP Core for the add application action. If multi same most recent release of AIP Core, then Console will choose the least busy Node.

Manage Version History

 Available in **AIP Console 1.26**.

This option determines the **Delivery Mode** that will be used for your application. By default the **option will be ticked**, meaning that the a standard way and all version history is retained. Unticking the option will cause the application to be created using a "rapid" delivery mode retained. See [AIP Console - Delivery Modes](#) for more detailed technical information about the different modes available.

 It is not possible to change modes once you have created an application.

Click **Add** to start the process:

## Add application

Application Name \*  
SEVRES

Domain Name  
TEST A

CSS Server  
UBUNTU2004:2282/postgres

Manage Version History 

[CANCEL](#) [ADD](#)



The process will begin (*click to enlarge*) - you can stop it any time using the STOP button:

# MEUDON1

In progress 00 : 00 : 23

Steps

- Prepare infrastructure - step 1/4 - 4 second(s) [View Log](#)
- Prepare infrastructure - step 2/4 - 14 second(s) [View Log](#)
- Prepare infrastructure - step 3/4 [View Log](#)**
- Prepare infrastructure - step 4/4

[STOP](#)

A successful addition is shown below (*click to enlarge*) - you can click the "View Log" options to view the log for each step in the process:

# MEUDON1

Last execution ended successfully 00 : 00 : 35

Steps

- Prepare infrastructure - step 1/4 - 4 second(s) [View Log](#)
- Prepare infrastructure - step 2/4 - 14 second(s) [View Log](#)
- Prepare infrastructure - step 3/4 - 6 second(s) [View Log](#)
- Prepare infrastructure - step 4/4 - 9 second(s) [View Log](#)

[VIEW DETAILS](#)

## What is installed with a new Application?

When you add a new Application, the following actions are performed:

- A **Delivery folder** (a central location specific to the Application used for storing successive and compressed versions of an Application's source code) **dedicated to the new Application** is created in the specified location (either a shared folder or on the Node itself (v1.x only)).
- Three **Application schemas** are created on the CAST Storage Service/PostgreSQL server associated to the Node - these schemas are created from **dumps** shipped with AIP Core, therefore their release number will **match the release of AIP Core used on the Node**. These schemas are used to store the analysis data. Details about these schemas can be seen by users with the **Admin role** in **Administration Center - Applications - Application Details**. The names used for the three schemas will mirror the Application name as shown below, except in situations detailed previously in this document:
  - Management schema (<appname>\_mngt)
  - Analysis schema (<appname>\_local)
  - Dashboard schema (<appname>\_central) - note that if you using **AIP Core for CAST Imaging**, this schema is not created.
- No **CAST extensions** are installed at this time. See **Application - Extensions** for more information.