

# Add a new Application

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## Login

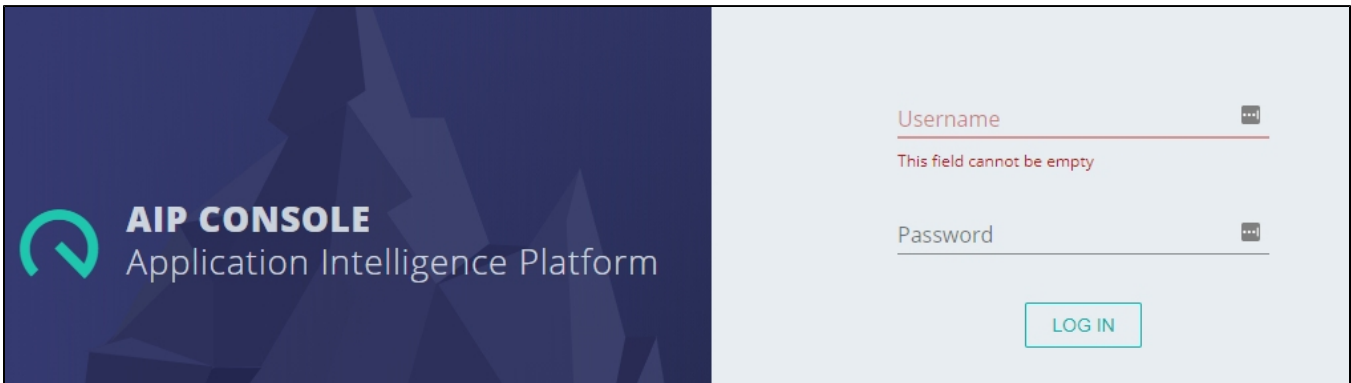
Before you add a new Application, you need to login to AIP Console. Browse to the following URL:

```
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

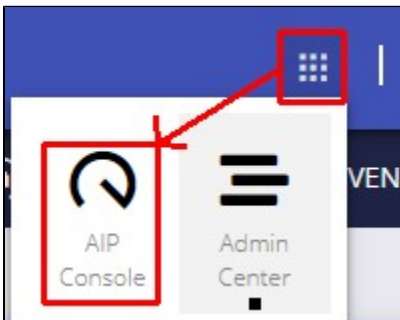
Following login page is displayed, enter your login credentials:



## Add a new Application

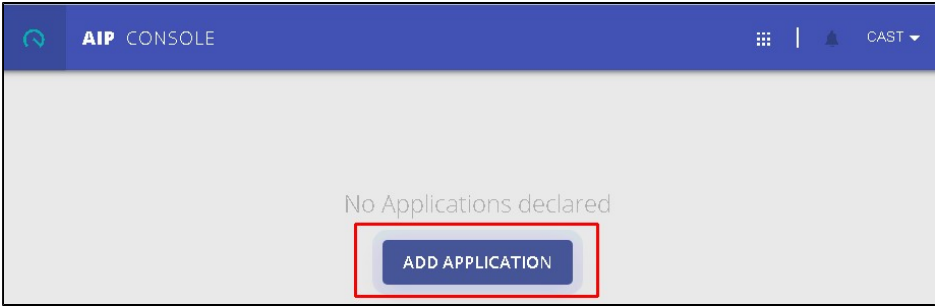
 To add a new Application, your AIP Console login must have the **Admin** or **Application Owner** role.

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

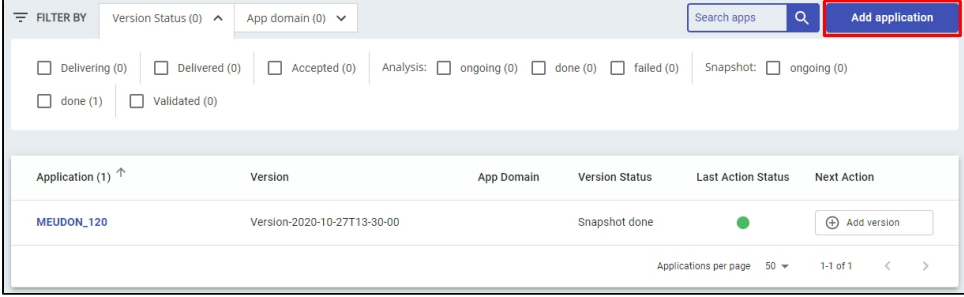


Click the **Add Application** button:

**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

---

Nodes  
local node ▼

local node <span style="background-color: #e0e0e0; border-radius: 10px; padding: 2px 5px;">AIP - 8.3.27</span>	1 Applications
RAM 8.0 GiB - CPU 2.8 GHz	21.1 GiB Free

**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)**

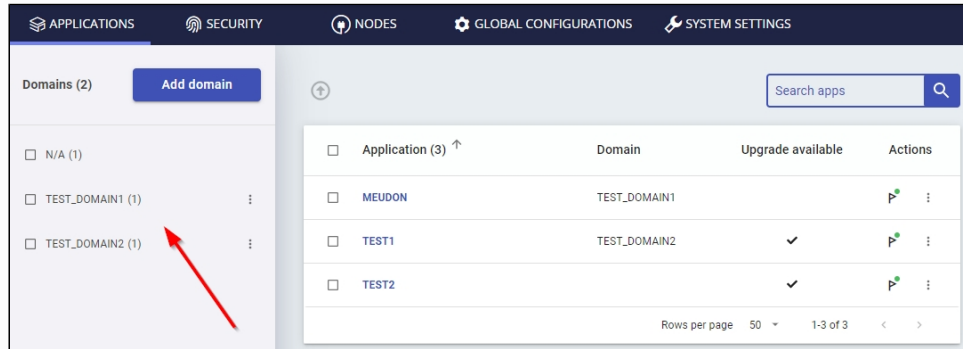
- take the application name and put it in lower case: **\*8-app\_prod! (main.app)**
- replace space, dash "-" or dot "." and replace with an underscore: **\*8\_app\_prod!\_(main\_app)**
- remove all invalid characters (the characters that are not letters, underscores or digits (0-9)): **8\_app\_prod\_main\_app**
- 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.

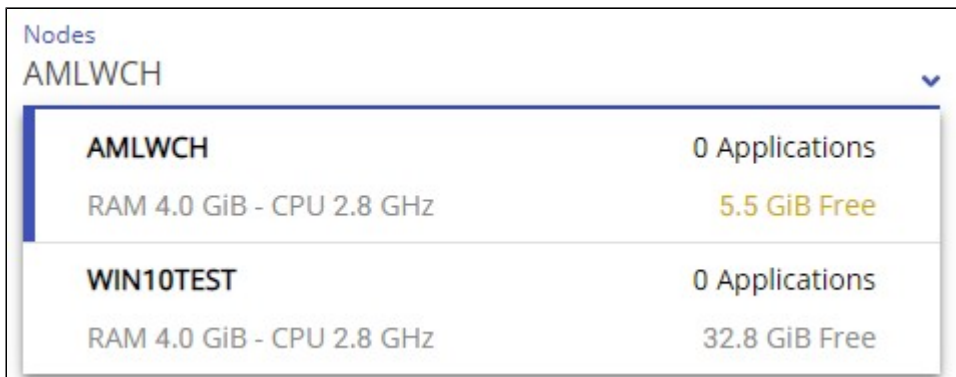
**i** A domain is a method of grouping Applications together primarily to assign **user roles**.



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

**Nodes**

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



Click **Add** to start the process:

### Add application

Application Name\*  
**SEVRES**

Domain Name  
**TEST A**

Nodes  
local node

local node	1 Applications
RAM 4.0 GiB - CPU 2.8 GHz	9.3 GiB Free

**CANCEL** **ADD**

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

# SEVRES

In progress 00 : 00 : 11

Steps

- Create Delivery folder** [View Log](#)
- Create application schemas
- Set up Management database
- Declare application in Management database

**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:

# SEVRES

Last execution ended successfully

00 : 02 : 06

## Steps

- Create Delivery folder [View Log](#)
- Create application schemas [View Log](#)
- Set up Management database [View Log](#)
- Declare application in Management database [View Log](#)

## 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 on the **AIP Node** in the following default location: %PROGRAMDATA%\CAST\AipConsole\AipNode\delivery\ (note that this location may have been changed during the installation process)
- Three **Application schemas** are created on the CAST Storage Service/PostgreSQL server associated to the AIP 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 AIP 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)
- No **CAST AIP extensions** are installed at this time. See **Application - Extensions** for more information.