MAGDA GUI Description

Overview

MAGDA SDK includes a graphic user interface. It allows a user to manage all the functionalities provided by MAGDA SDK (i.e. grid node creation and management).

MAGDA GUI can be used from any location: the user only needs a valid certificate, and the grid node needs a public IP address.

If you need to install MAGDA GUI, you can find a guide [here](#).

MAGDA GUI Windows And Functionalities

Notice: the platform needs to be launched by a user with valid security certificates for all the grid nodes to be created/managed.

MAGDA GUI starts with a homepage window.

![Interfaccia per la gestione di servizi Grid](image)

After the 'homepage' window, you should see a Virtual Organization Management window.
This window allows you to write down IP addresses (or domain names) for Grid Nodes belonging to the Grid Container. Press 'OK' to finish.

![Image of the window](image)

A two-panel window should appear. In the first panel, you should see a two-level tree graphic: the root name will be *Virtual Organization* and the leaves will be the node addresses you chose before (their name will start with *NodoGrid*).

![Virtual Organization tree](image)

On the right side of the first panel there is an area containing a description about the element you selected in the left side.
The second panel gives you the chance to monitor the node you chose.
If you right-click on a Grid Node, you can:

- activate a new agent platform on the selected node;
- activate a new agent platform on the selected node, and specify its configuration.

In the first case, you only need to type the platform name, and a new agent platform will be created. In the second case, you can specify a particular configuration for the secondary containers; they will automatically be activated on system start-up.

To do this, the user needs to know the local addresses (or their hostnames) associated to the Grid Nodes.

MAGDA GUI is also composed by three additional windows; they manage platforms, containers, agents.

The host window allows you to manage the agent platform (activation/closing of a secondary container).
The container window allows you to manage a container. The user can close the container, or activate a new agent (the agent must be defined in a class contained in a .jar file).

The agent window manages a single agent; so, it allows you to manage the Administration Service functionalities.