

Networks

Description

Operators can define the subnets that compose the internal network, in order to manage the IP address space. The main goal is to manage a limited resource as the IP address is.

Soffid supports both static and dynamic IP assignments. Anyway, static IP management does not exclude the use of DHCP or BOOTP protocols in order to get them.

Screen overview

The screenshot displays the Soffid Networks management interface. The sidebar on the left contains navigation options: ISS, IGA, AM, PAM, IRC, and ADV. The main content area shows a search bar, a breadcrumb trail (Main Menu > Resources > Networks), and tabs for Quick, Basic, and Advanced views. Below the tabs are filters for Name, Description, and IP Address, along with an 'Add criteria' button and a 'View' button. The table below lists four network configurations:

<input type="checkbox"/>	Name ^	Description	IP Address
<input type="checkbox"/>	External	External	14.15.154.0
<input type="checkbox"/>	Internal	Internal	10.21.57.0
<input type="checkbox"/>	internet	Autocreated network for unknown IP addresses	0.0.0.0
<input type="checkbox"/>	loopback	loopback	127.0.0.0

Displayed rows: 4

Related objects

- Hosts : host of the system each one in a network.
- Detected browsers : detected browners in a network.
- Printers : configured printers in a network.
- Soffid parameters : you can specify a parameter to be applied only in a network.

Standard attributes

Networks table

- **Name**: short name that identifies the network.
- **Description**: network description.
- **IP Address**: IP range of this network.
- **IP Address mask**: IP mask of this network.
- **Internal network**: activate this check box to indicate if this network is fully managed or not. What fully managed means changes in each organization. It used to mean corporate office versus branch office. It affects mainly to access the menu tree. Application entry points have different scripts or URLs for internal and external networks.

- **Support DHCP:** if enabled (selected value is Yes), hosts belonging to this network will be automatically registered.
- **DHCP attributes:** allows to enter additional parameters that the DHCP server will use to assemble DHCP response. Usually, it will have a gw=0.1.2.34 like parameter. It is only needed when a DHCP connector is configured.

Networks detail > basics tab

On the network group tab, you can view all the network attributes. It is allowed to add new networks, update or delete existing networks.

The attributes are the same than the networks table plus the next one.

- **Used IPs:** IP addresses used. This data is auto calculated

The screenshot displays the Soffid web interface for configuring a network. The left sidebar contains a navigation menu with categories like ISS, IGA, AM, PAM, and IRC, along with various system components. The main content area shows the configuration for an 'External' network. The 'basics' tab is active, showing fields for Name (External), Description (External), IP Address (14.15.154.0), and IP Address mask (255.255.255.0). There are also toggle switches for 'Internal network' (set to No) and 'Supports DHCP' (set to No). A 'DHCP attributes' field is present at the bottom.

Network detail > access control tab

In order to delegate the management of IP addresses in this network range, the Access Control List allows to select which users, groups or roles will be allowed to manage it.

- **Restrict ESSO login:** allows to restrict the access to the workstations of this network, otherwise, any Soffid users can log in.

Each Access Control List Entry has the following attributes:

- **Level:** four levels are defined:
 - **Without access:** denies everything.
 - **Query:** allows to know about hosts on this network.
 - **Support:** allows to know about hosts on this network, and allows to manage the workstations on it. This option is fully tied to Single Sign On module.
 - **Administration:** allows to create, modify or remove hosts on this network.
 - Login.
- **Mask:** specifies a pattern that will be check against the host name in order to apply this authorization level.
- **Identity:** specifies a user, group or role name.
- **Description.**

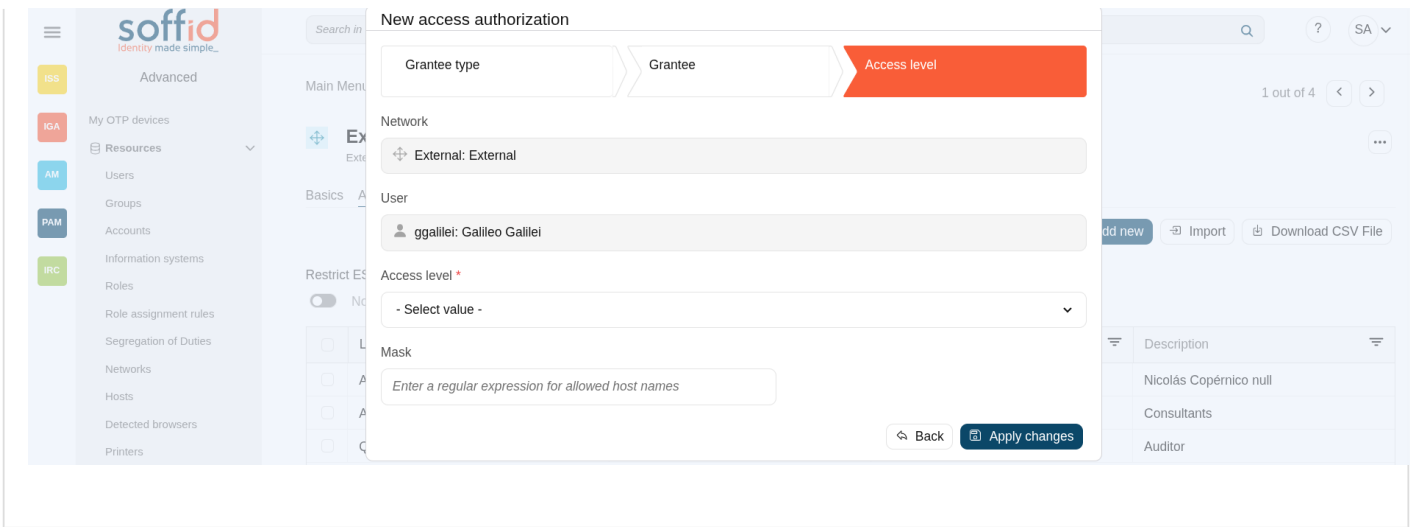
To add a new access control you can click the **Add new** button, you have to select the grantee type (user, group or role), then you have to choose an user, group or role depending on the grantee selected, and finally set the acces level and the mask and apply the changes.

If you want to delete access controls, you must select one or more records from the list and clicking the **Delete** button.

The screenshot shows the Soffid web interface. The sidebar on the left contains navigation options: ISS, IGA, AM, PAM, IRC, and ADV. The main content area is titled 'External' and shows the 'Access Control' configuration page. The page includes a search bar, a breadcrumb trail (Main Menu > Resources > Networks), and a table of access control entries. The table has columns for Level, Machines, Identity, and Description. The entries are:

<input type="checkbox"/>	Level ^	Machines	Identity	Description
<input type="checkbox"/>	Administration		ncopernico	Nicolás Copérnico
<input type="checkbox"/>	Administration		consultants	Consultants
<input type="checkbox"/>	Query		Auditor@soffid	Auditor

Buttons for 'Add new', 'Import', and 'Download CSV File' are visible. The page also shows 'Restrict ESSO login' set to 'No' and '1 out of 4' records displayed.



Actions

Networks table

"Query"	Allows you to query networks through different search systems, <u>Quick</u> , <u>Basic</u> and <u>Advanced</u> .
Add new	Allows you to create a new network. To add a new network it will be mandatory to fill in the required fields
Delete network	Allows you to remove one or more networks by selecting one or more records and next clicking this button. To perform that action, Soffid will ask you for confirmation, you could confirm or cancel the operation.
Download CSV file	Allows you to download a csv file with the networks information.
Import	Allows you to upload a CSV file with the network list to add or update networks to Soffid. First, you need to pick up a CSV file, that CSV has to contain a specific configuration. Then you need to check the content to be loaded, it is allowed to choose if you want or not to load a specific attribute. And finally, you need to select the mappings for each column of the CSV file to import the data correctly and to click the Import button.
View	Allows you to show and hide columns in the table. You can also set the order in which the columns will be displayed.

Network detail > basics tab

Apply changes	Allows you to save the data of a new network or to update the data of a specific network. To save the data it will be mandatory to fill in the required fields
Delete network	Allows you to remove the network by selecting one or more records and next clicking this button. To perform that action, Soffid will ask you for confirmation, you could confirm or cancel the operation.
Undo	Allows you to quit without applying any changes.

Network detail > access control tab

Apply changes	Allows you to save the data of the network access log. To save the data it will be mandatory to fill in the required fields
Add new	Allows you to create a new access control. First, you will select the Grantee type, which could be a role, a user or a group. Second, you will select the Grantee, it will depend on the Grantee type selected. Then, you will fill in the access level. And finally you will apply changes.
Delete	Allows you to remove one or more access controls by selecting one or more records and next clicking this button. To perform that action, Soffid will ask you for confirmation, you could confirm or cancel the operation.
Import	Allows you to upload a CSV file with the access control list to add or update access controls to Soffid. First, you need to pick up a CSV file, that CSV has to contain a specific configuration. Then you need to check the content to be loaded, it is allowed to choose if you want or not to load a specific attribute. And finally, you need to select the mappings for each column of the CSV file to import the data correctly and to click the Import button.
Download CSV file	Allows you to download a csv file with the basic access controls data.

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