



netin DS

Quick start guide

Server mode



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Introduction

About NetinDS

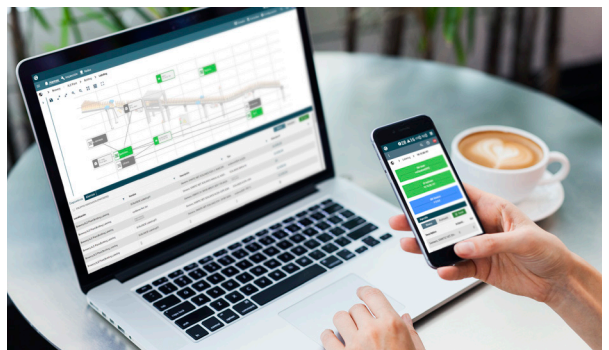
NetinDS is a system to monitor and diagnose big OT infrastructures and modern systems of industrial automation.

Designed and developed specially for the industry, **NetinDS** is based on the main supervision protocols of IT field, as much as on the most well-known and extended OT standards.

Through a complete **Agents** network, and thanks to the possibility of configuring a custom **locations structure**, **NetinDS** get to all the infrastructure systems and integrates them in a easy way, improving the understanding of the facilities' state and making easier a quick and detailed diagnosis.

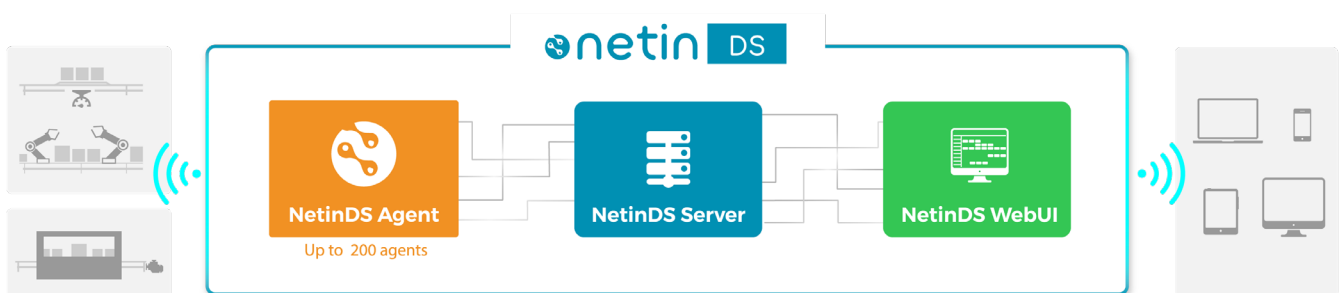
Functionalities

- **Monitoring** and **diagnosis** in real time of all your devices and systems.
- **Audit process**: custom standards, compliance control, user's templates.
- **Integration**: systems and devices on an only tool thanks to industrial and custom standards.
- **Forensic analysis**: trace, analyse and discover the reason of the incidents in your facilities.
- **Assets management**: creation and automatic control of the industrial assets inventory and the IP addressing.



Structure

NetinDS is form by the **NetinDS Server**, core of the system, the agents network (**NetinDS Agents**) to collect and manage the information from systems and devices, and the web interface (**NetinDS webUI**) to access, right there where you need it, to all the monitoring information of your facilities.



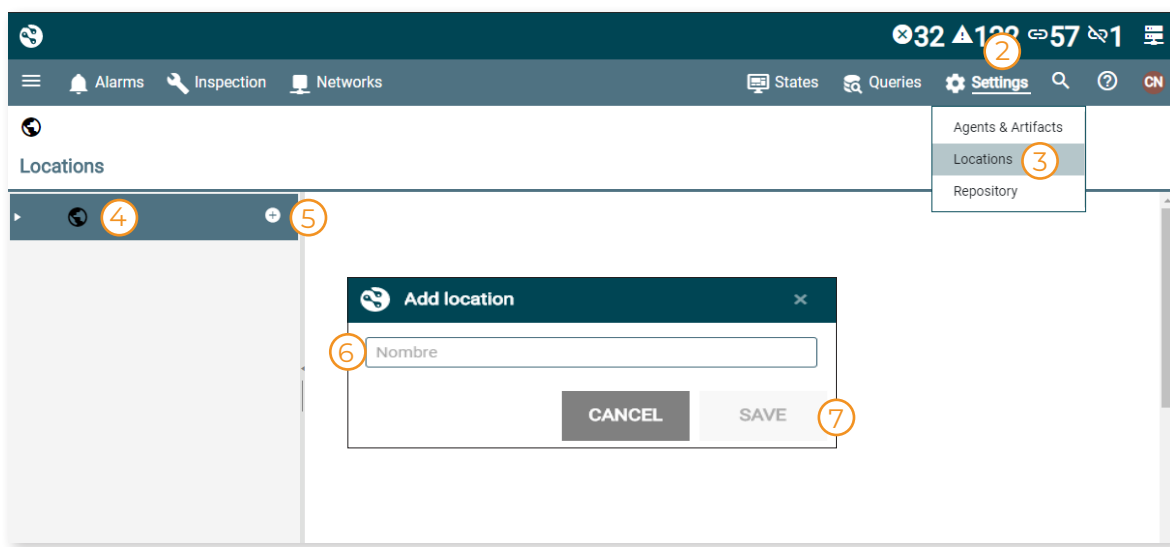
1. LOCATIONS STRUCTURE

How to **create** the **locations'** structure.

1. Login on **NetinDS Server** site.
2. At the navigation bar, click on **Settings**.
3. At the drop-down **►**, select **Locations** option.
4. At the **Locations** screen, at the left side, click on level **🌐**.
5. Click on **+ Add** button.
6. At the dialogue box **Add location**, enter a name.
7. Click on the **Save** button. The new location appears at the structure tree at the left side.



1 - NetinDS server login screen.



2 - Settings screen / Locations: create structure.

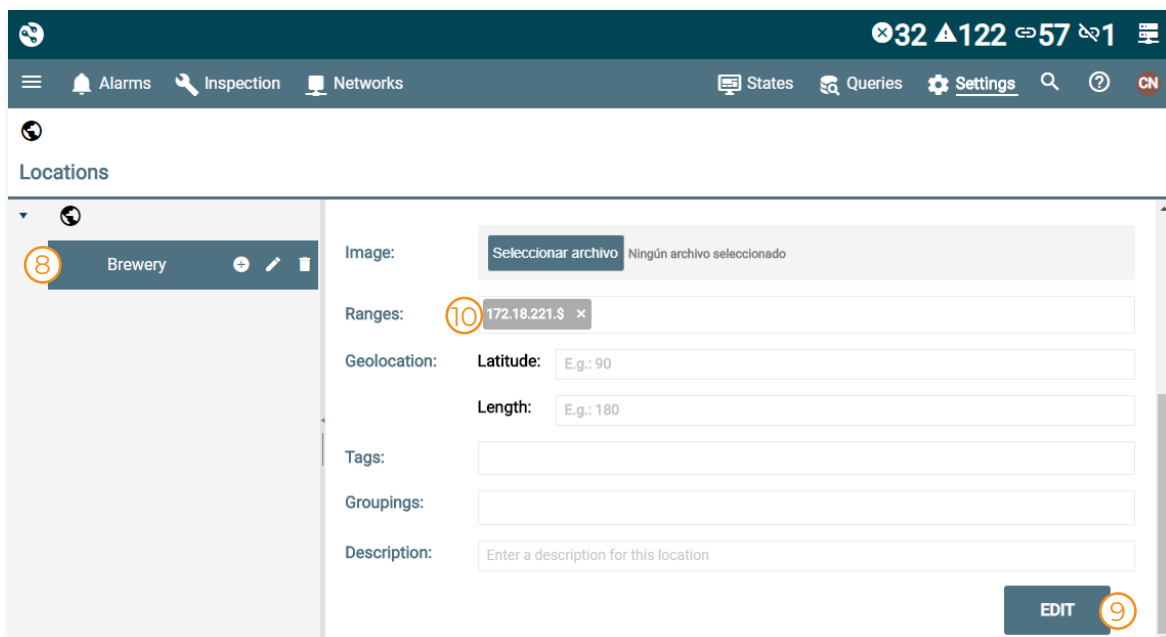
1. LOCATIONS STRUCTURE

How to **edit** a **location**.

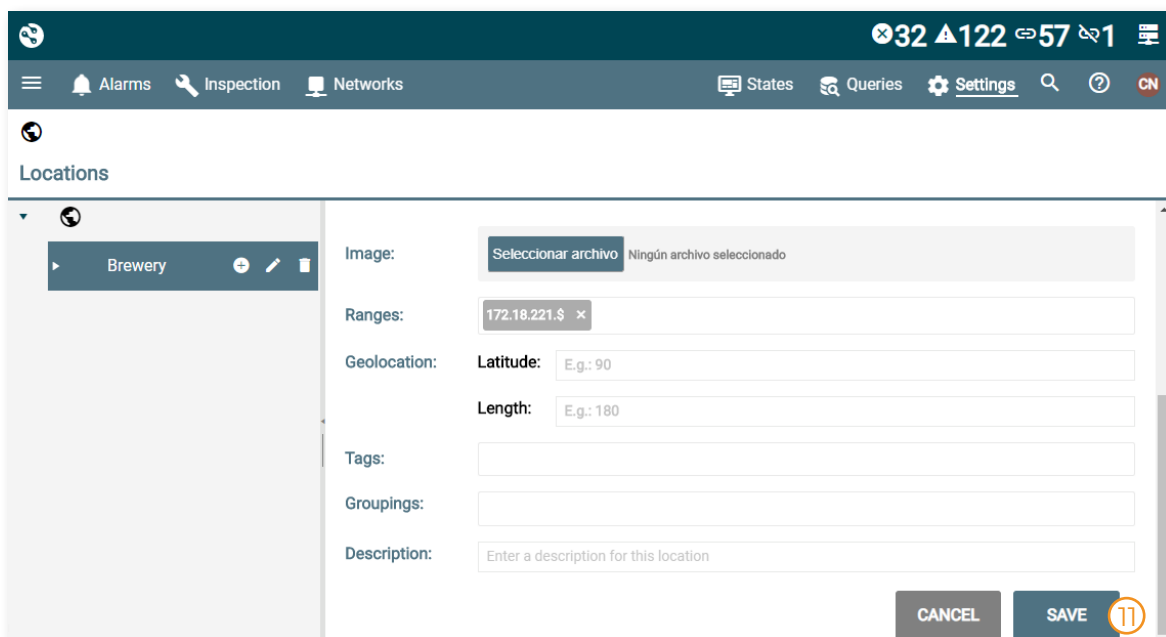
8. Select the location at the left side tree.
9. Click on the button **Edit** (the buttons **Save** and **Cancel** are activated).
10. At the **Range** field add devices IP addresses for this location.
11. Click on the **Save** button.

INFO...

To create the whole structure, select at the left side tree the location where new levels need to be add, and repeat the steps given from point 5.



3 - Settings screen / Locations: edit location.

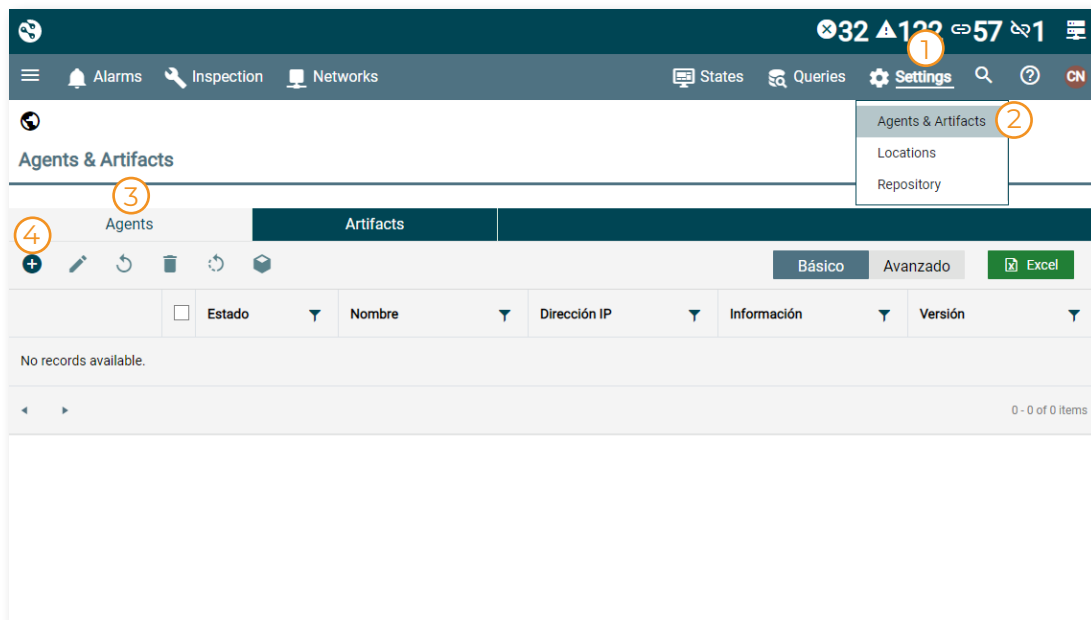


4 - Settings screen / Locations: edit location: save.

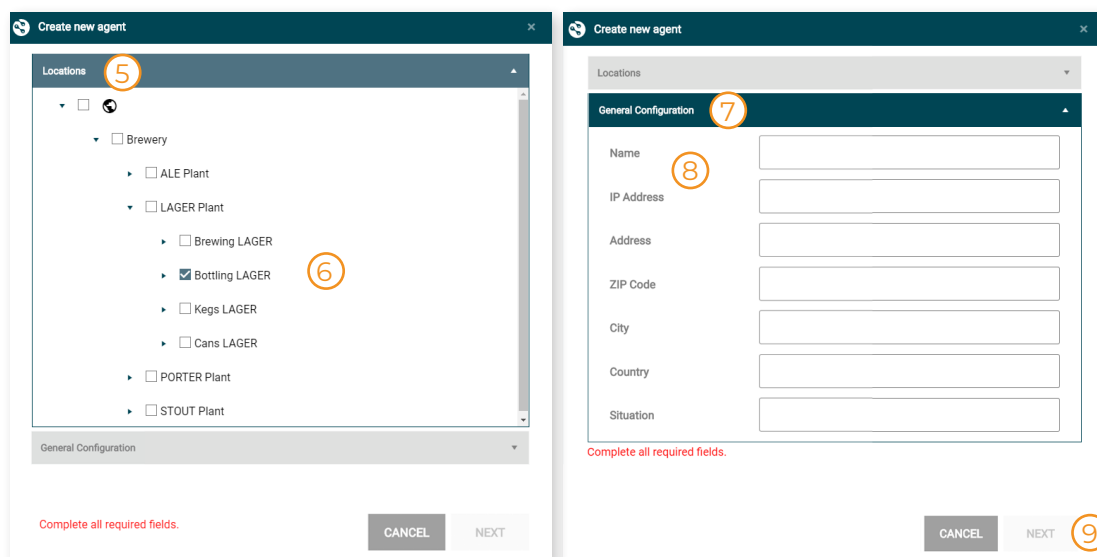
2. ADD AGENTS

How to **add** new **agents** in the server.

1. At the navigation bar, click on **Settings**.
2. At the drop-down **►**, select **Agents & Artifact** option.
3. At the **Agents & Artifacts** screen, select **Agents** tab.
4. Click on the **+** **Add** button.
5. At the dialog box **Create new agent**, click on the **Locations** section.
6. Open the locations tree elements (**►**) to find the location to which assign the Agent and select it .
7. Click on the **General configuration** section.
8. Enter **name** and **IP address** for the Agent (the other fields are optional).
9. Click on the **Next** button.



5 - Agents & Artifacts screen / Agents.



6 - Agents & Artifacts screen / Agents / New agent dialogue box.

2. ADD AGENTS

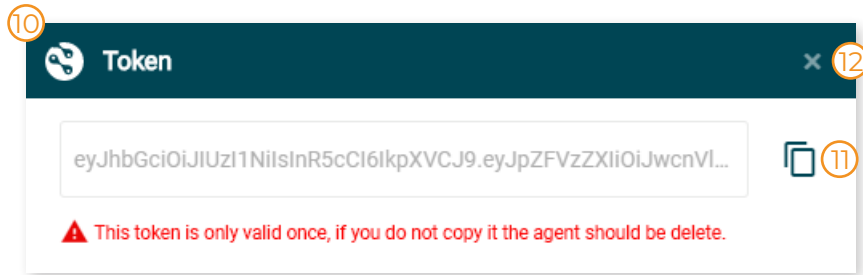
How to **add** new **agents** in the server.

10. The **Token** dialogue box is open to automatically get a *token* which will be needed during the agent installation.

11. Click on the **Copy *** button.

12. Close the dialogue box by clicking on the **X** placed at the upper right corner.

13. The new agent appears in the Agents table.

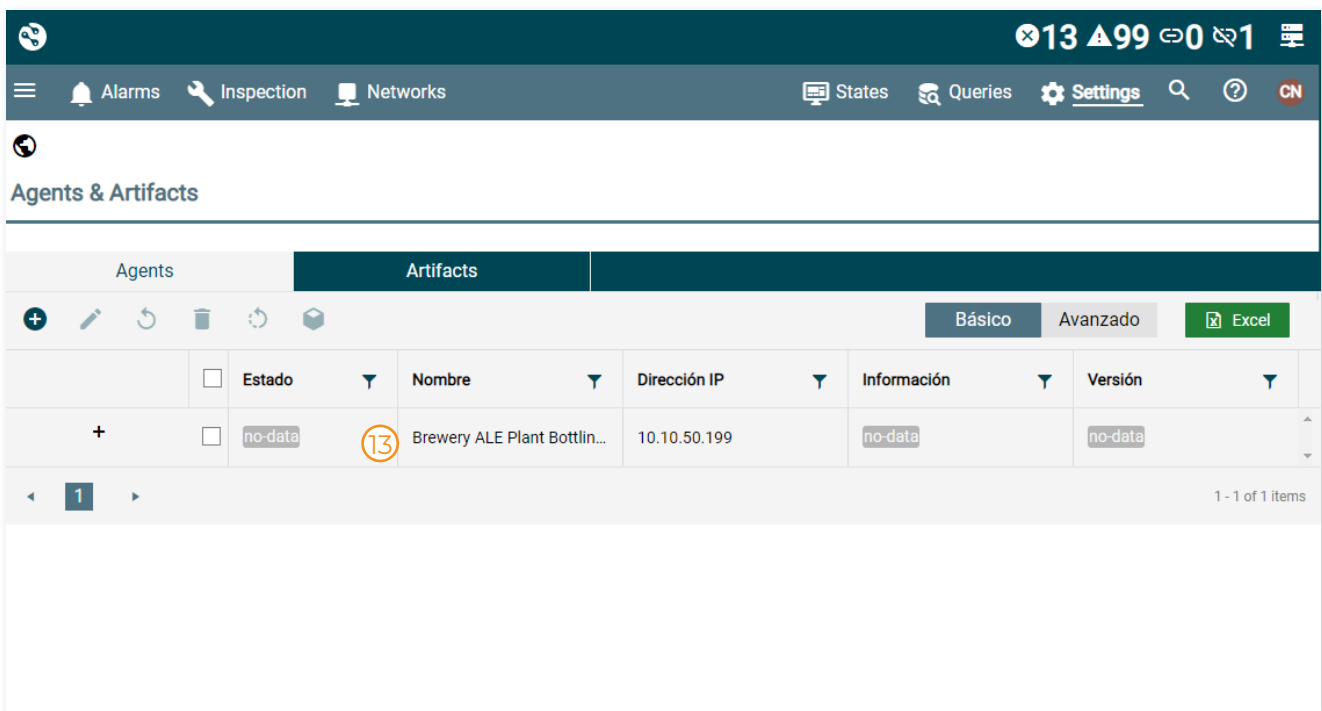


7 - Token dialogue box.

¡WARNING!

Agents must always be added at **“Installation”** level, that is the last one at the locations hierarchy created in the system.

* The **Token** is only generated once, copy and save it is essential to complete the agents installation.



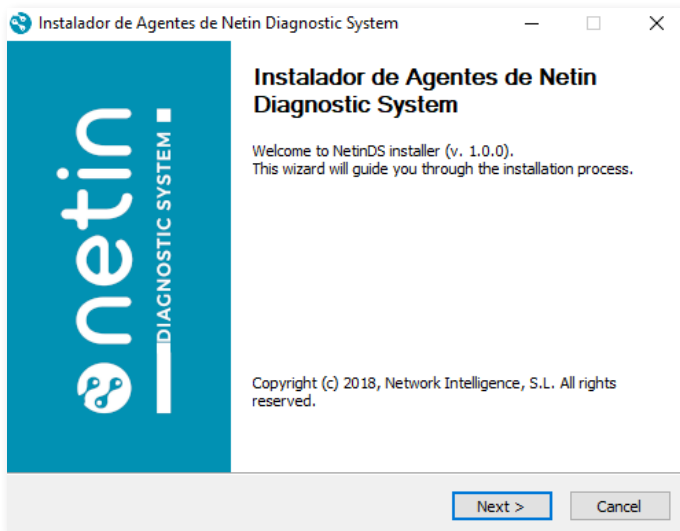
8 - Agents & Artifacts screen / Agents / Agents table.

3. AGENTS INSTALLATION

How to **install agents** in the plant work terminals.



1. Copy the **Netin Agents Installer** file (NetinDSAgent_x64.exe) in the work terminal where the Agent is going to be installed.
2. Double click on it to run it.
3. Follow the installation wizard instructions to complete the process.



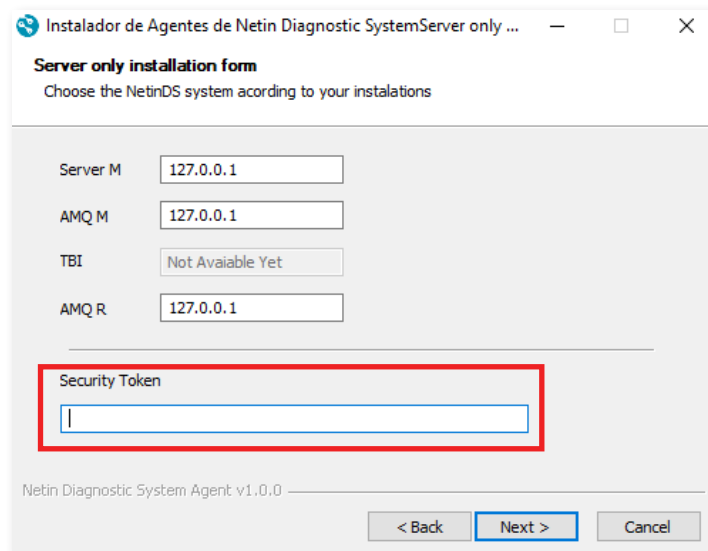
INFO...

The **step-by-step installation**, available on https://docs.netin.io/installers/agent_installer/ includes detailed information about the different **installations types** and their **options**.

9 - NetinDS Agents Installation wizard.

WARNING!

During agent installation, in the dialogue box **Installation form for server versions**, it is required the **token** generated when the agent was added in the server (page 7, steps 10-11).



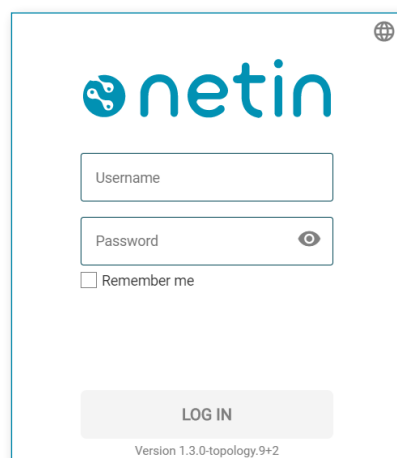
10 - Agents installer / Server version form.



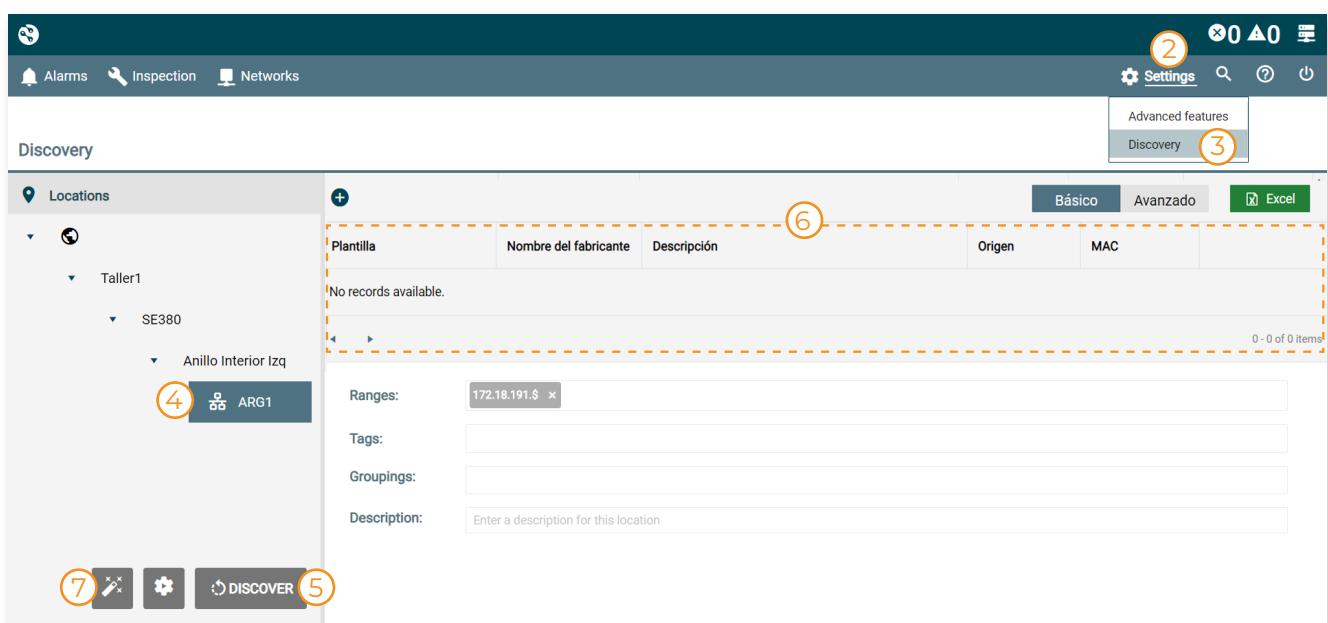
4. DEVICES DISCOVERY

How to start the devices' **discovery process**.

1. Login on the **NetinDS Agent** website (agent IP address).
2. At the navigation bar, click on **Settings**.
3. At the drop-down **Discovery**.
4. On the **Discovery** screen, select the location (last level) where prior the agent was added (section Agents, step 6).
5. Click on the **Discover** button (it blinks and the icon turns while the process is running).
6. The table updates gradually showing the devices discovered.
7. Once the discovery finishes, click on the **Apply configuration** button.



11 - NetinDS Agent login screen.



12 - Discovery screen (NetinDS Agent).



4. DEVICES DISCOVERY

How to manually **assign templates**.



NetinDS
Agent

1. On the discovered devices table, click on the **Edit** button at the row of the device to which the template needs to be assigned.
2. On the **Templates** column, click on the device row drop-down .
3. On the list, select the template to assign to the device.
4. Click on the **Update** button at that row to save changes.
5. Click on the **Apply templates** button.
6. Click on the **Apply configuration** button.

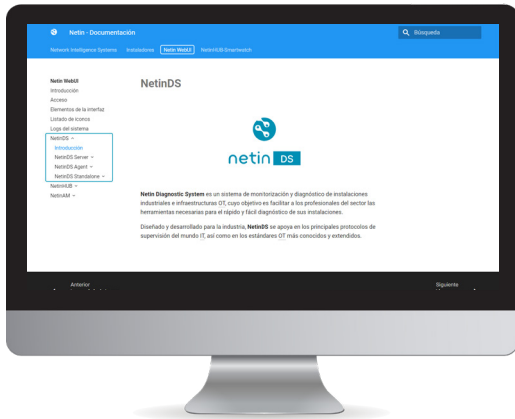
The screenshot shows the 'Discovery' screen in the NetinDS Agent interface. The main table lists discovered devices with columns for 'Plantilla', 'Nombre del fabricante', 'Descripción', 'Origen', and 'MAC'. A dropdown menu is open for the 'Plantilla' column of the first row, showing a list of templates. Numbered callouts indicate the following steps: 1. Clicking the 'Edit' button in the first row. 2. Clicking the dropdown arrow in the 'Plantilla' column of the first row. 3. Selecting 'Netin SNMP Default' from the dropdown list. 4. Clicking the 'Update' button in the first row. 5. Clicking the 'Apply templates' button at the bottom left. 6. Clicking the 'Apply configuration' button at the bottom left.

Plantilla	Nombre del fabricante	Descripción	Origen	MAC	
Netin SNMP Default	no-data	Linux, Cisco RV325, Version 1.4.2.17 Mon Oct 30 1...	10.10.50.1	no-data	
Netin PNI0 Default	SCALANCE XB-200	no-data	10.10.50.135	20:87:56:18:ec:90	
Netin SNMP_PNI0 Default	SCALANCE XB-200	Siemens, SIMATIC NET, SCALANCE XB208, 6GK5 2...	10.10.50.200	d4:f5:27:03:22:33	
Netin SNMP Default	no-data	Hardware: Intel64 Family 6 Model 92 Stepping 9 AT/AT	10.10.50.245	no-data	
Netin ICMP Default	no-data	no-data	10.10.50.246	no-data	
Netin PNI0 Default	no-data	Hardware: Intel64 Family 6 Model 92 Stepping 9 AT...	10.10.50.247	no-data	
Netin SNMP_PNI0 Default	no-data	no-data	10.10.50.251	no-data	
SKS FB5N PN IRT					
SEW Modicon					

13 - Discovery screen (NetindDS Agent) / Assign templates.

MORE INFORMATION

User manual and legal information.



User manual

The **User manual** includes extended information about all the **NetinDS** functionalities, detailed explanations of available options, as well as images and step-by-step instructions.

The **User manual** is available online, section **Netin WebUI/NetinDS**, at Netin documentation site:

<https://docs.netin.io/>

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