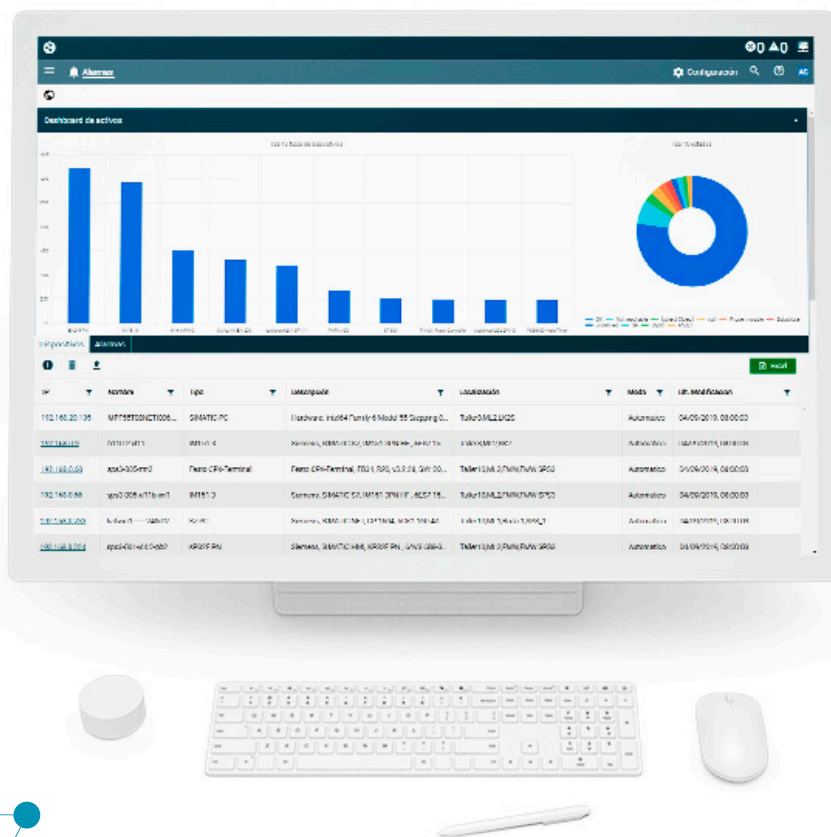


# netin AM

## Quick start guide



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## ALARMS SCREEN

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## INVENTORY SCREEN

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# INTRODUCTION

## About NetinAM

**NetinAM** is the Netin add-on to assets management, **hardware** and **software**, for large industrial facilities and OT infrastructures.

An reliable hardware and software management is the key to ensure the facilities efficiency, maintainability and security, and **NetinAM** helps you to get a complete and clear view of all these assets.

**NetinAM** allows detecting and automatically ordering your assets, according to your organizational structure, to get a unified and automated management of them, collecting information about references, serial numbers, identifying data, etc. from all the items that form your facilities, including devices' modules to get the highest granularity.

## Functionalities

- **Devices profiles:** equipment automated identification through creating configurable devices.
- **Versions management:** firmware, hardware, serial numbers, references... for an efficient management.
- **Modular equipment management:** devices' modules identification (e.g. I/O modules of peripheral devices).
- **Automated searches:** active scan to detect subnets and IP addresses.



# ALARMS SCREEN

How to **add** a **device** to the **Devices** table.



1. Click on the **+ Add device**.
2. On the dialogue box **Add device**, select a template.
3. At the **Form** section, enter an **Identifier** text.
4. Complete the fields for the subsections related to the selected template.
5. At the **Locations** section, select on the tree the location where the device is installed.
6. Click on the **Save** button. The new device appears at table's first row.

| IP             | Nombre             | Tipo               | Descripción                                    | Localización              | Modo       | Ult. Modificación    |
|----------------|--------------------|--------------------|--|---------------------------|------------|----------------------|
| 192.168.20.185 | MPF55T08NETI006... | SIMATIC-PC         |  |                           | Automatico | 04/09/2019, 08:00:03 |
| 192.168.0.9    | b110.2-x111        | IM151-3            |  |                           | Automatico | 04/09/2019, 08:00:03 |
| 192.168.0.68   | sps3-005-zm2       | Festo CPX-Terminal |  |                           | Automatico | 04/09/2019, 08:00:03 |
| 192.168.0.66   | sps3-005-x111b-im1 | IM151-3            |  |                           | Automatico | 04/09/2019, 08:00:03 |
| 192.168.0.233  | kafwm1-----240r02  | S7-PC              | Siemens, SIMATIC NET, CP 1604, 6GK1 160-4A...  | Taller10,ML1,Boda 1,SPS_1 | Automatico | 04/09/2019, 08:00:03 |
| 192.168.0.224  | sps3-001-x14.2-pb2 | KP32F PN           | Siemens, SIMATIC HMI, KP32F PN , 6AV3 688-3... | Taller10,ML2,FMW,FMW SPS3 | Automatico | 04/09/2019, 08:00:03 |
| 192.168.0.214  | sps3-300-x111-im1  | IM151-3            | Siemens, SIMATIC S7, IM151-3PN HF , 6ES7 15... | Taller10,ML2,FMW,FMW SPS3 | Automatico | 04/09/2019, 08:00:03 |

1 - Alarms screen / Devices tables / Add device.

Formulario

Identificador

deviceInfo

assetManagement

Localizaciones

CANCELAR GUARDAR

2 - Add device screen.

# ALARMS SCREEN

How to **add devices in bulk** to the **Devices** table.



1. Click on the **Bulk import** button.
2. At the dialogue box **Bulk import**, click on the **Choose file** button.
3. At the Explorer window, select the file with the devices data.
4. Click on the **Open** button.
5. At the dialogue box **Bulk import**, click on the **Import** button. The Devices table updates showing the new devices.

| IP             | Nombre             | Tipo               | Descripción  | Modo       | Ult. Modificación    |
|----------------|--------------------|--------------------|--|------------|----------------------|
| 192.168.20.185 | MPF55T08NET1006... | SIMATIC-PC         |  | Automatico | 04/09/2019, 08:00:03 |
| 192.168.0.9    | b110.2-x11         | IM151-3            | Sieme  | Automatico | 04/09/2019, 08:00:03 |
| 192.168.0.68   | sps3-005-zm2       | Festo CPX-Terminal | Festo CPX-Terminal, FB34, R20, v3.2.20, SW: 20,... | Automatico | 04/09/2019, 08:00:03 |
| 192.168.0.66   | sps3-005-x11b-im1  | IM151-3            | Siemens, SIMATIC S7, IM151-3PN HF, 6ES7 15...      | Automatico | 04/09/2019, 08:00:03 |
| 192.168.0.233  | kafwm1—240r02      | S7-PC              | Siemens, SIMATIC NET, CP 1604, 6GK1 160-4A...      | Automatico | 04/09/2019, 08:00:03 |
| 192.168.0.224  | sps3-001-x14.2-pb2 | KP32F PN           | Siemens, SIMATIC HMI, KP32F PN, 6AV3 688-3...      | Automatico | 04/09/2019, 08:00:03 |
| 192.168.0.214  | sps3-300-x11-im1   | IM151-3            | Siemens, SIMATIC S7, IM151-3PN HF, 6ES7 15...      | Automatico | 04/09/2019, 08:00:03 |

3 - Alarms screen / Devices table / Bulk import.

| Nombre           | Fecha de modificación | Tipo                  | Tamaño |
|------------------|-----------------------|-----------------------|--------|
| standard-pc.xlsx | 17/09/2019 11:39      | Hoja de cálculo d...  | 9      |
| TOX EPWX-V4.csv  | 17/09/2019 11:40      | Archivo de valores... | 1      |

4 - Explorer window.

## INFO...

The import file must be Excel (.xlsx) or CSV (.csv) format, and it must contain the same fields as the ones defined in the device type template.



# ALARMS SCREEN

How to **delete** devices from the **Devices** table.



1. Select from the **Devices** table the device you want to delete by clicking on its row.
2. Click on the **Delete** button.
3. Click on the **YES** button on the confirmation message. The device is deleted from the database and will no longer appear in the table.

Alarms

Configuración

Dispositivos

| IP             | Nombre             | Tipo               | Descripción                                       | Localización              | Modo       | Ult. Modificación    |
|----------------|--------------------|--------------------|---|---------------------------|------------|----------------------|
| 192.168.20.185 | MPF55T08NETI006... | SIMATIC-PC         | Hardware: Intel64 Family 6 Model 55 Stepping 8... | Taller8,ML2,LK2S          | Automatico | 04/09/2019, 08:00:03 |
| 192.168.0.9    | b110.2-x111        | IM151-3            | Siemens, SIMATIC S7, IM151-3PN HF, 6ES7 15...     | Taller8,ML2,SK2           | Automatico | 04/09/2019, 08:00:03 |
| 192.168.0.68   | sps3-005-zm2       | Festo CPX-Terminal | Festo CPX-Terminal, FB34, R20, v3.2.20, SW: 20... | Taller10,ML2,FMW,FMW SPS3 | Automatico | 04/09/2019, 08:00:03 |
| 192.168.0.66   | sps3-005-xl11b-im1 | IM151-3            | Siemens, SIMATIC S7, IM151-3PN HF, 6ES7 15...     | Taller10,ML2,FMW,FMW SPS3 | Automatico | 04/09/2019, 08:00:03 |
| 192.168.0.233  | kafwm1-240r02      | S7-PC              | Siemens, SIMATIC NET, CP 1604, 6GK1 160-4A...     | Taller10,ML1,Boda 1,SPS_1 | Automatico | 04/09/2019, 08:00:03 |
| 192.168.0.224  | sps3-001-xl4.2-pb2 | KP32F PN           | Siemens, SIMATIC HMI, KP32F PN, 6AV3 688-3...     | Taller10,ML2,FMW,FMW SPS3 | Automatico | 04/09/2019, 08:00:03 |
| 192.168.0.214  | sps3-300-xl11-im1  | IM151-3            | Siemens, SIMATIC S7, IM151-3PN HF, 6ES7 15...     | Taller10,ML2,FMW,FMW SPS3 | Automatico | 04/09/2019, 08:00:03 |

1 - 7 of 6989 items

5 - Alarms screen / Devices table / Delete device.

Confirmación

¿Está seguro de que desea eliminar el dispositivo?

NO SÍ

6 - Delete device / Confirmation message.

# ALARMS SCREEN

How to **acknowledge one alarm** from the Alarms table.



1. Select from the **Alarms** table, by clicking on its row, the one you want to apply ACK.
2. Click on the  **ACK** button.
3. Click on the **YES** button on the confirmation message. The alarm disappears from this table and the device to which it references is added to the **Devices** table.

| Hora de Inicio       | Localización                                     | IP           | Texto           | ACK                                 |
|----------------------|--|--------------|-----------------|-------------------------------------|
| 02/07/2019, 09:18:41 | Entorno de prueba,Mytra,Barcelona,LaboratorioBCN | 10.10.50.141 | DEVICE_APPEARED | <input checked="" type="checkbox"/> |
| 02/07/2019, 09:18:41 | Entorno de prueba,Mytra,Barcelona,LaboratorioBCN | 10.10.50.142 | DEVICE_APPEARED | <input checked="" type="checkbox"/> |
| 02/07/2019, 09:18:41 | Entorno de prueba,Mytra,Barcelona,LaboratorioBCN | 10.10.50.199 | DEVICE_APPEARED | <input checked="" type="checkbox"/> |
| 02/07/2019, 09:18:41 | Entorno de prueba,Mytra,Barcelona,LaboratorioBCN | 10.10.50.99  | DEVICE_APPEARED | <input checked="" type="checkbox"/> |

7 - Alarms screen / Alarms table / Individual ACK.

Confirmación

¿Está seguro de que desea realizar la acción sobre la alarma?

NO SÍ

8 - Individual ACK / Confirmation message.



# ALARMS SCREEN

How to **acknowledge in bulk** from the **Alarms** table.



1. Click on the  **Bulk ACK** button from the **Alarms** table.
2. Click on the **YES** button on the confirmation message. The alarms disappear from this table and the devices to which they reference are added to the **Devices** table.

| Hora de Inicio       | Localización                                     | IP           | Texto           | ACK                                 |
|----------------------|--|--------------|-----------------|-------------------------------------|
| 02/07/2019, 09:18:41 | Entorno de prueba,Mytra,Barcelona,LaboratorioBCN | 10.10.50.141 | DEVICE_APPEARED | <input checked="" type="checkbox"/> |
| 02/07/2019, 09:18:41 | Entorno de prueba,Mytra,Barcelona,LaboratorioBCN | 10.10.50.142 | DEVICE_APPEARED | <input checked="" type="checkbox"/> |
| 02/07/2019, 09:18:41 | Entorno de prueba,Mytra,Barcelona,LaboratorioBCN | 10.10.50.199 | DEVICE_APPEARED | <input checked="" type="checkbox"/> |
| 02/07/2019, 09:18:41 | Entorno de prueba,Mytra,Barcelona,LaboratorioBCN | 10.10.50.99  | DEVICE_APPEARED | <input checked="" type="checkbox"/> |

9 - Alarms screen / Alarms table / ACK in bulk.

Confirmación

¿Está seguro de que desea realizar la acción sobre la alarma?

NO SÍ

10 - ACK in bulk / Confirmation message.

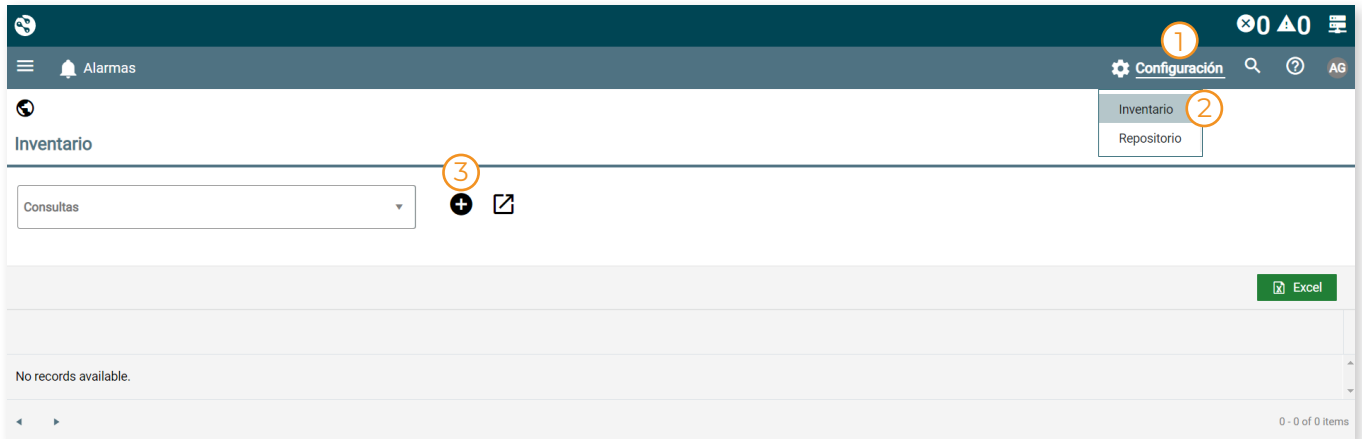


# INVENTORY SCREEN

How to **create** a **query**.

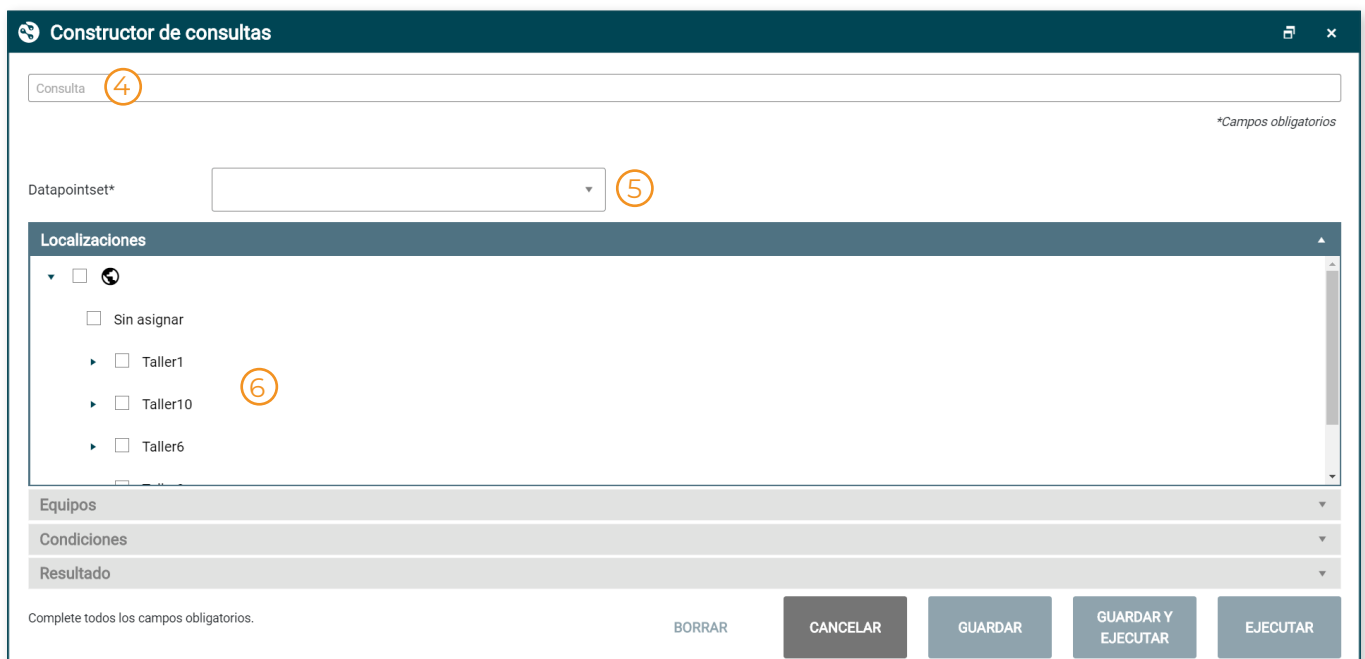


1. At the navigation bar, click on **Settings**.
2. At the drop-down **►**, select **Inventory**.
3. At the **Inventory** screen, click on the **+ Create query** button.



11 - Inventory screen.

4. At the **Query builder** screen, enter a name for the query.
5. Choose the **DatapointSet** to make the query on.
6. Select the location by opening the tree elements to get the level needed (optional). No selection means the query will include all system locations.



12 - Query builder screen.

# INVENTORY SCREEN

How to **create** a **query**.



- 7. At the **Equipment** section, select a **Group** and the **Devices types** to filter by.
- 8. At the **Conditions** section, select a **DatapointSet**, a **field** and a **condition** for the query, and enter a **value** to filter by.

001 \*Campos obligatorios

Datapointset\* Device Information ⓘ

Localizaciones

**Equipos** 7

Filtrar por grupo:  
PCs

Filtrar por tipo de equipo:  
STANDARD PC x

Condiciones

Resultado

BORRAR CANCELAR GUARDAR GUARDAR Y EJECUTAR EJECUTAR

13 - Query builder screen / Equipment.

001 \*Campos obligatorios

Datapointset\* Device Information ⓘ

Localizaciones

Equipos

**Condiciones** 8

Datapointset Device Information Campo Nombre Condición Contiene

Valor Valor AND (+) (-)

Igual a  
Distinto de  
**Contiene**  
Empezar por  
Termina en

Resultado

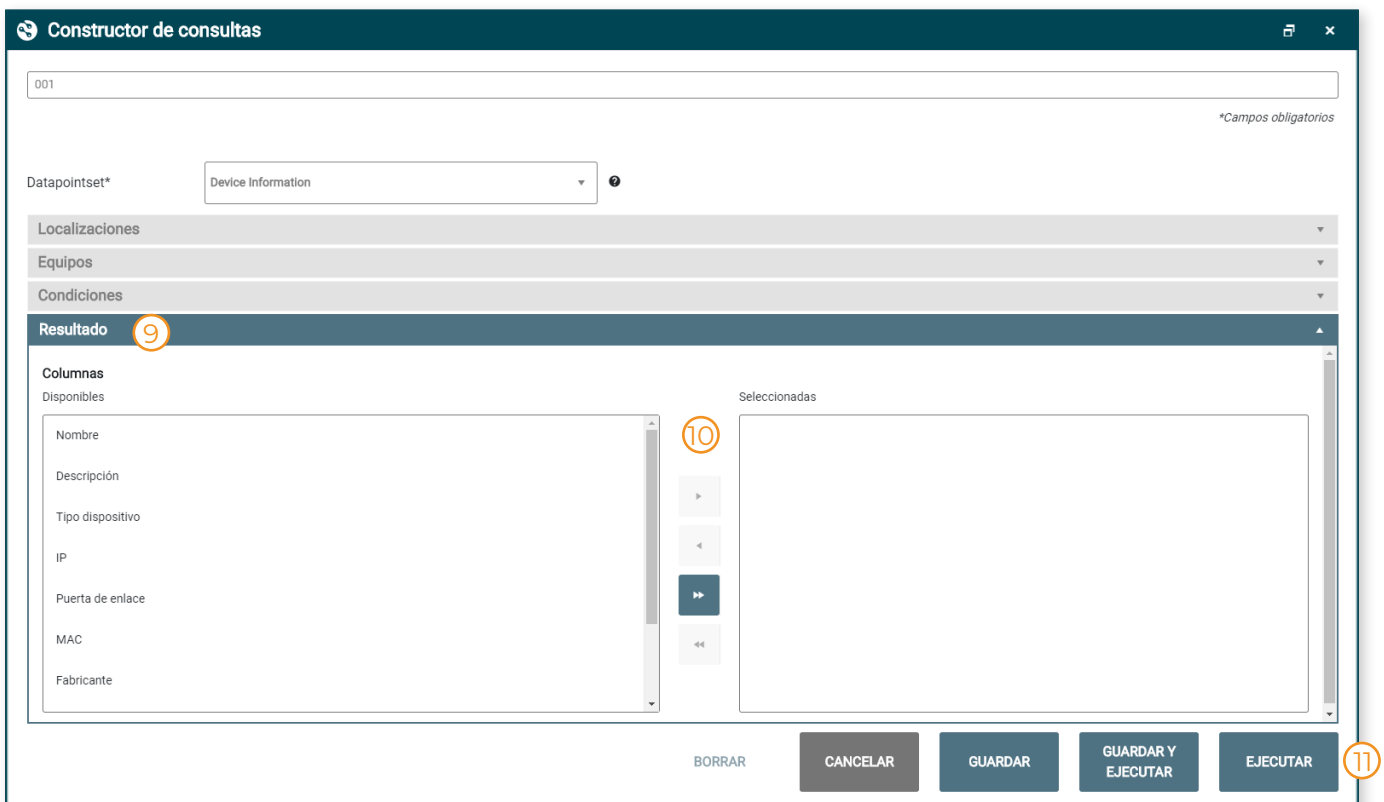
BORRAR CANCELAR GUARDAR GUARDAR Y EJECUTAR EJECUTAR

14 - Query builder screen / Conditions.

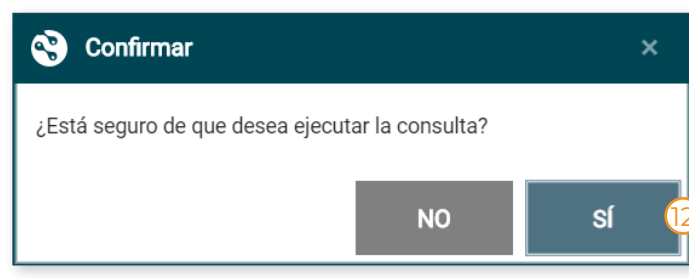
# INVENTORY SCREEN

How to **create** a **query**.

9. At the **Results** section, select at the left box (**Available**) the columns that will be in the results table.
10. Click on the button ► to move them to the right box (**Selected**).
11. Click one of the following buttons:
  - Execute
  - Save and Execute
  - Save
12. Click on the **YES** button on the confirmation message.



15 - Query builder screen / Result.

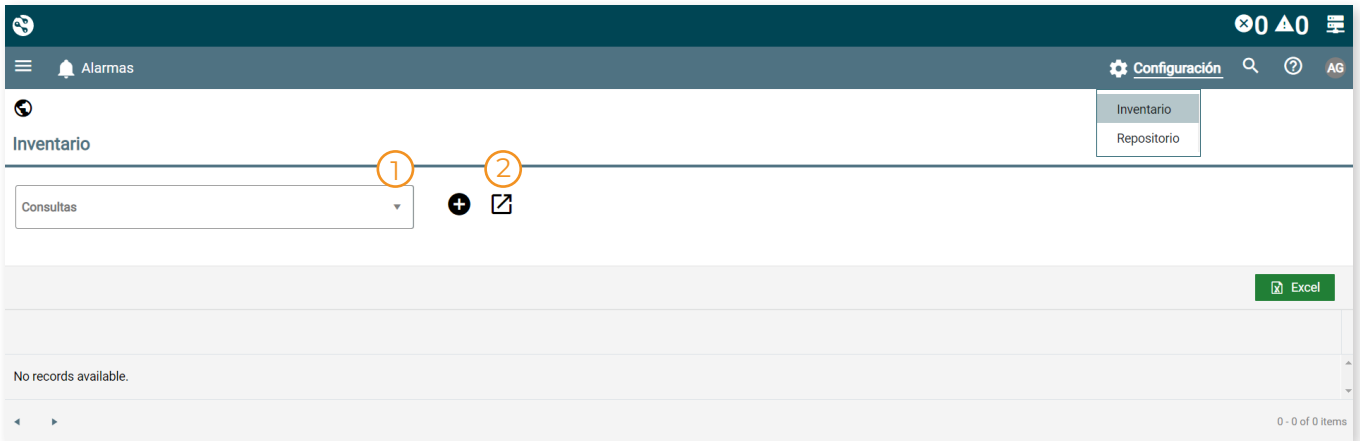


16 - Query builder / Confirmation message.

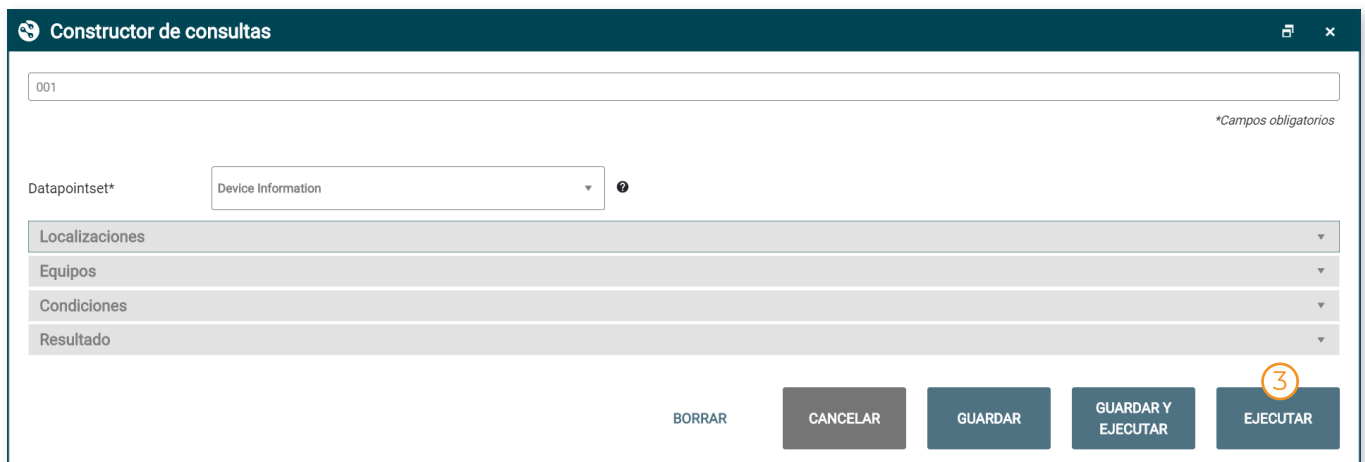
# INVENTORY SCREEN

How to **run** a **saved query**.

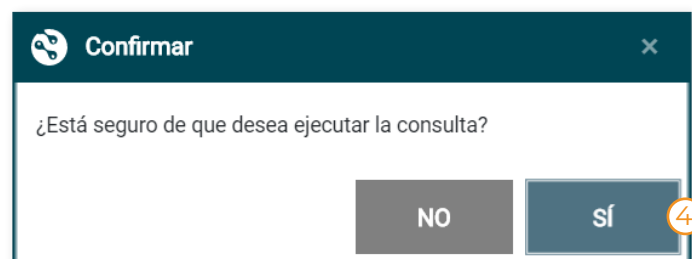
1. At the drop-down **Queries**, select the query you want to execute.
2. Click on the **Open** button
3. At the **Query builder** screen, click on the **Execute** button.
4. Click on the **YES** button on the confirmation message. After a few seconds the results table is shown in the Inventory screen.



17 - Inventory screen / Open a query.



18 - Query builder screen.

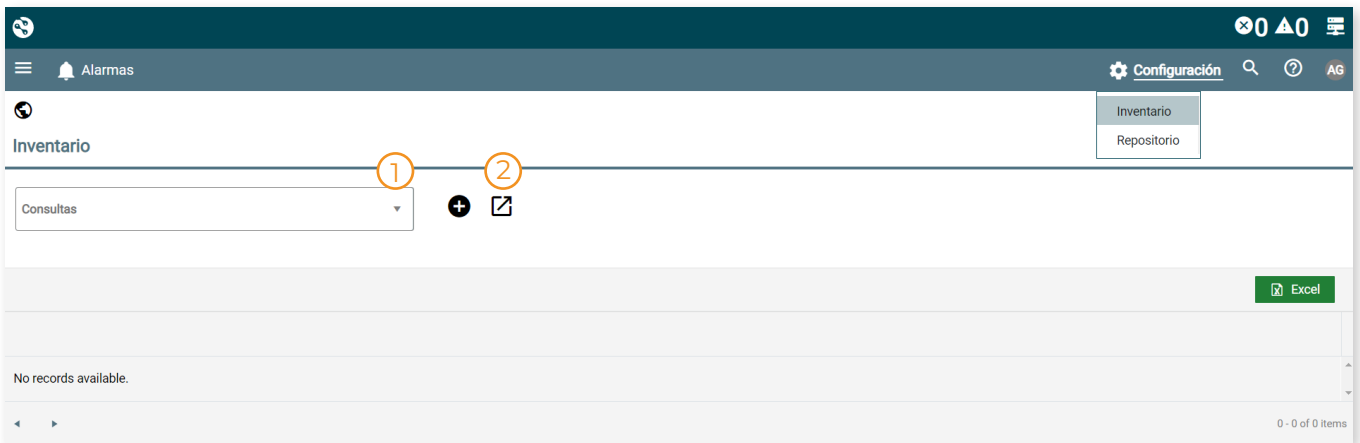


19 - Query builder / Confirmation message.

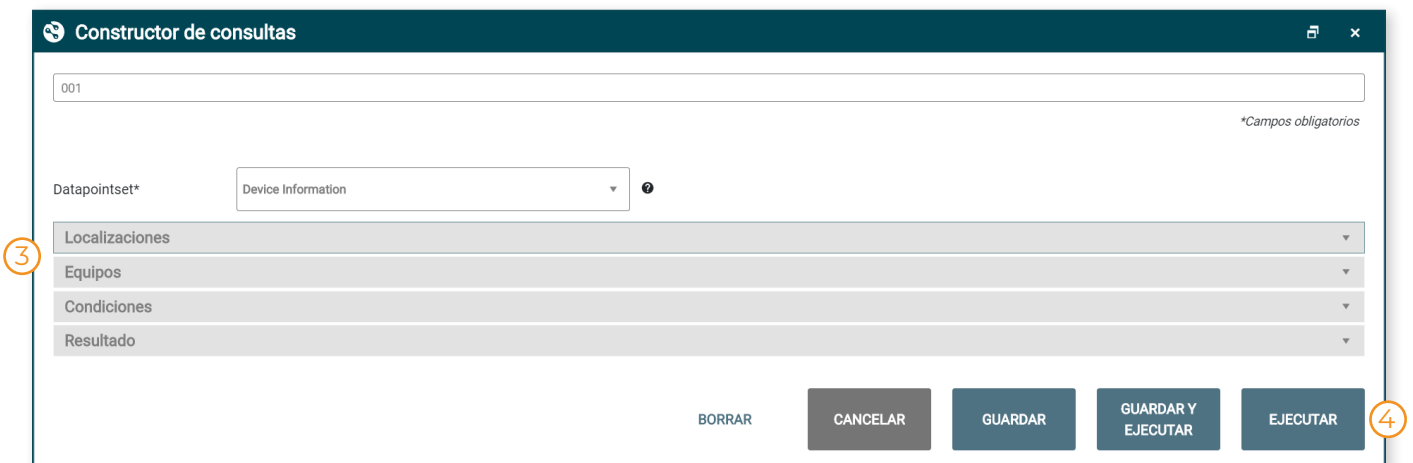
# INVENTORY SCREEN

How to **edit** a **saved query**.

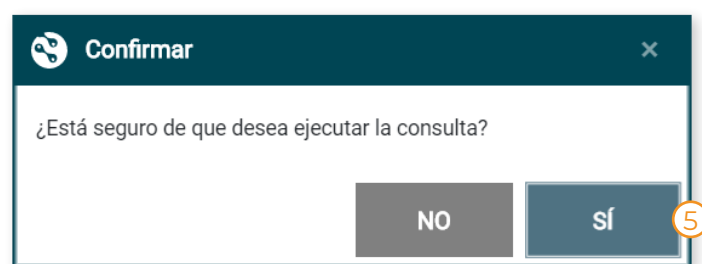
1. At the drop-down **Queries**, select the query you want to edit.
2. Click on the **Open** button
3. At the **Query builder** screen, modify what you need in the different sections.
4. Click on the buttons **Execute**, **Save and execute**, or **Save**.
5. Click on the **YES** button on the confirmation message.



20 - Inventory screen / Open a query.




21 - Query builder screen.

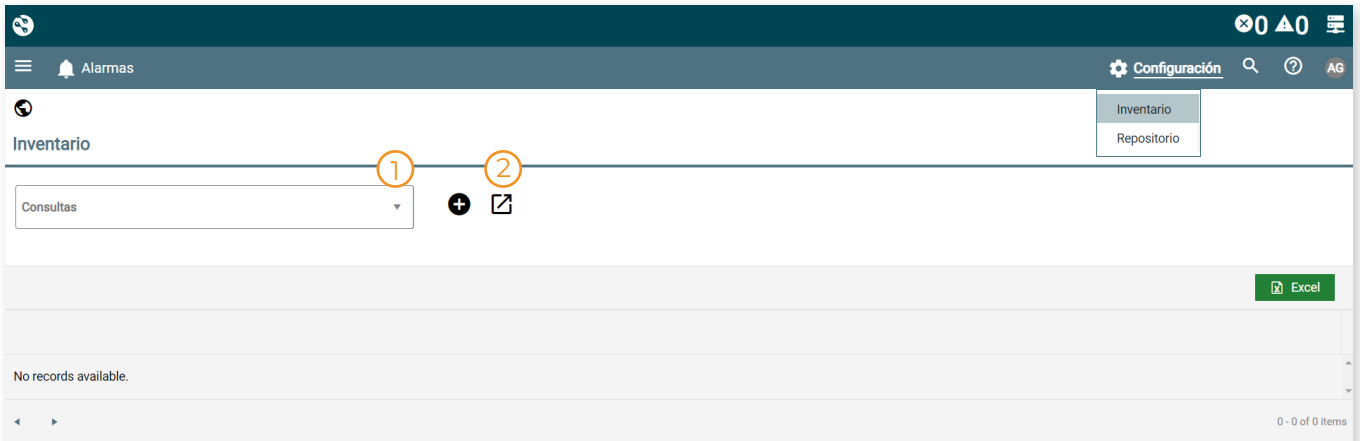


22 - Query builder / Confirmation message.

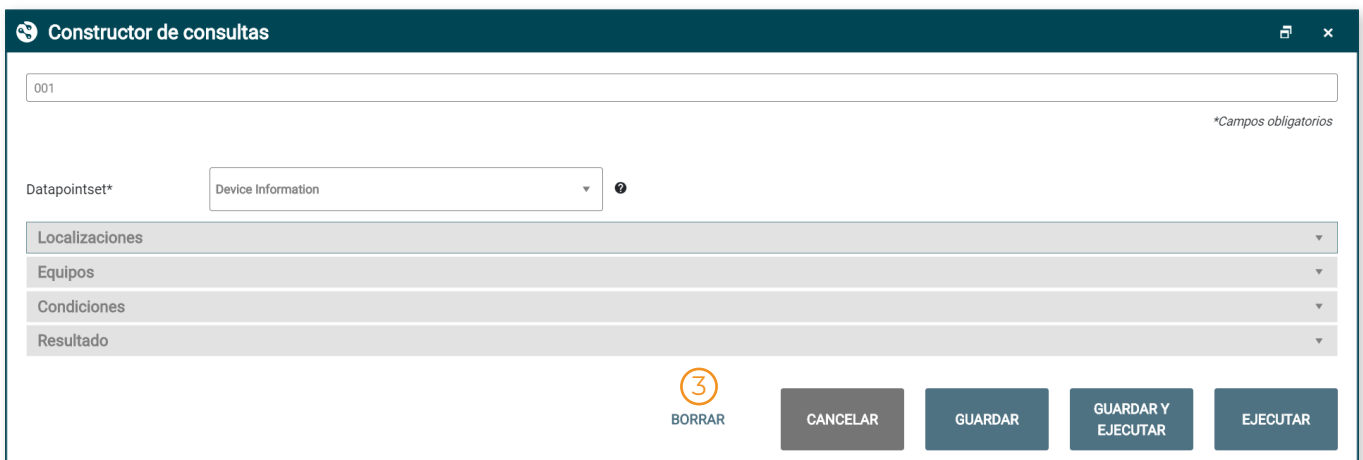
# INVENTORY SCREEN

How to **delete** a **saved query**.

1. At the drop-down **Queries**, select the query you want to delete.
2. Click on the  **Open** button.
3. At the **Query builder** screen, click on the **Delete** button.



23 - Inventory screen / Open a query.



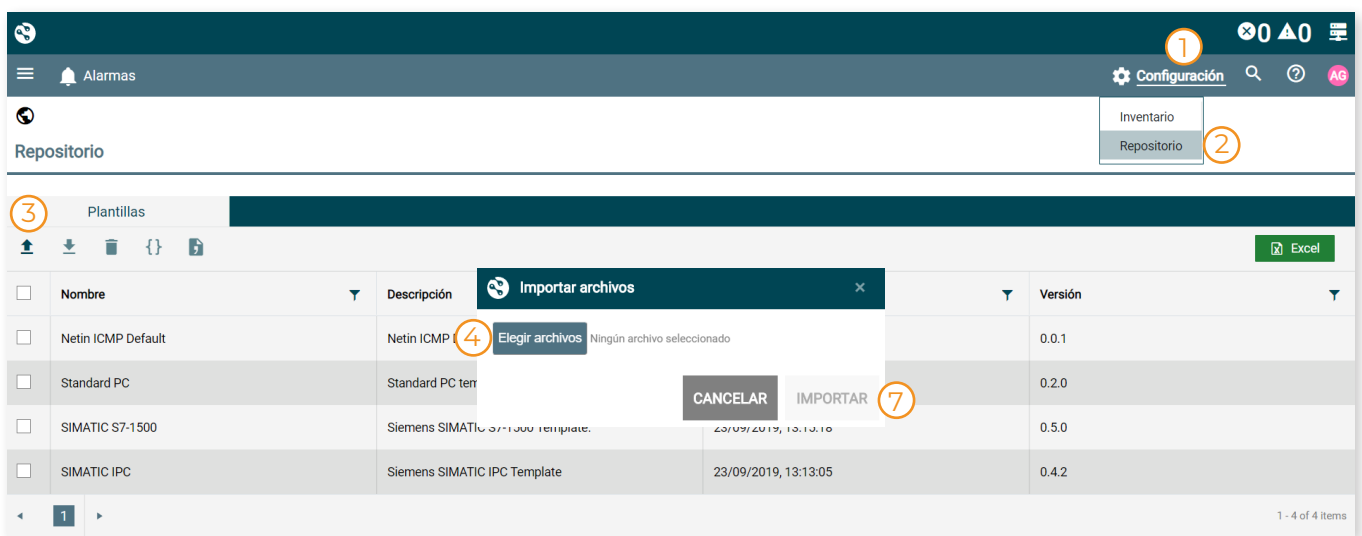
24 - Query builder screen / Delete query.

# REPOSITORY SCREEN

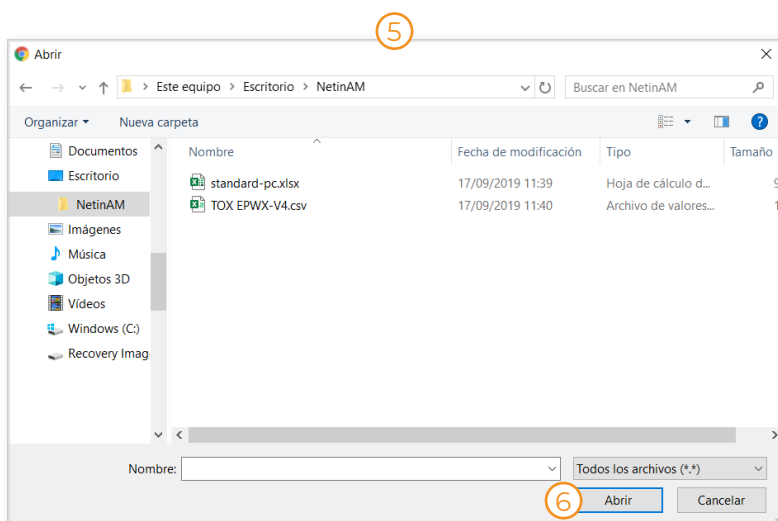
How to **import templates**.



1. At the navigation bar, click on **Settings**.
2. At the drop-down **►**, select **Repository**.
3. At the **Templates** table, click on the **Import** button.
4. On the **Import files** dialogue box, click on the **Choose file** button.
5. At the Explorer window, select the file with the devices data.
6. Click on the **Open** button.
7. On the **Import files** dialogue box, click on the **Import** button. The table updates showing the new templates information.



25 - Repository screen.



26 - Explorer window.

## INFO...

The template file must be JSON (.json) o YAML (.yml o .yaml) format.



# REPOSITORY SCREEN

How to **download templates** (JSON or CSV files).



1. In the **Templates** table, select the file to download
2. Click on the **Download** button to export a JSON file, or **Export csv** button to export a CSV file.
3. The files are saved on the user computer.

## INFO...

Templates download in JSON format allows selecting several files.

The screenshot shows the 'Repositorio' screen with a table of templates. The 'Plantillas' tab is active. The table has columns: Nombre, Descripción, Fecha última modificación, and Versión. The rows are: TOX STE341, Standard PC, WEIDMULLER FCA-PIR-POF (selected), TOX EPWX-V4, SMC XT581FX (selected), SKS FB5N PN IRT, and SIMATIC RF600 PN. The download button is circled with a '2'. The taskbar shows two JSON files: 'SMC XT581FX (2).json' and 'WEIDMULLER FC...json', with the taskbar icon circled with a '3'.

| Nombre                              | Descripción            | Fecha última modificación       | Versión              |       |
|-------------------------------------|------------------------|---------------------------------|----------------------|-------|
| <input type="checkbox"/>            | TOX STE341             | TOX STE341 Template             | 13/09/2019, 13:25:10 | 0.4.1 |
| <input type="checkbox"/>            | Standard PC            | Standard PC template            | 13/09/2019, 13:24:33 | 0.2.3 |
| <input checked="" type="checkbox"/> | WEIDMULLER FCA-PIR-POF | WEIDMULLER FCA-PIR-POF Template | 05/09/2019, 15:11:41 | 0.4.1 |
| <input type="checkbox"/>            | TOX EPWX-V4            | TOX EPWX-V4 Template            | 05/09/2019, 15:09:20 | 0.4.1 |
| <input checked="" type="checkbox"/> | SMC XT581FX            | SMC XT581FX Template            | 05/09/2019, 15:07:52 | 0.4.1 |
| <input type="checkbox"/>            | SKS FB5N PN IRT        | SKS FB5N PN IRT Template        | 05/09/2019, 15:06:40 | 0.4.1 |
| <input type="checkbox"/>            | SIMATIC RF600 PN       | SIMATIC RF600 PN Template       | 05/09/2019, 15:05:33 | 0.4.1 |

27 - Repository screen / Download of several JSON (.json) files.

The screenshot shows the 'Repositorio' screen with the same table of templates. The 'TOX EPWX-V4' row is selected, indicated by a circled '1'. The download button is circled with a '2'. The taskbar shows a CSV file: 'TOX EPWX-V4.csv', with the taskbar icon circled with a '3'.

| Nombre                              | Descripción            | Fecha última modificación       | Versión              |       |
|-------------------------------------|------------------------|---------------------------------|----------------------|-------|
| <input type="checkbox"/>            | TOX STE341             | TOX STE341 Template             | 13/09/2019, 13:25:10 | 0.4.1 |
| <input type="checkbox"/>            | Standard PC            | Standard PC template            | 13/09/2019, 13:24:33 | 0.2.3 |
| <input type="checkbox"/>            | WEIDMULLER FCA-PIR-POF | WEIDMULLER FCA-PIR-POF Template | 05/09/2019, 15:11:41 | 0.4.1 |
| <input checked="" type="checkbox"/> | TOX EPWX-V4            | TOX EPWX-V4 Template            | 05/09/2019, 15:09:20 | 0.4.1 |
| <input type="checkbox"/>            | SMC XT581FX            | SMC XT581FX Template            | 05/09/2019, 15:07:52 | 0.4.1 |
| <input type="checkbox"/>            | SKS FB5N PN IRT        | SKS FB5N PN IRT Template        | 05/09/2019, 15:06:40 | 0.4.1 |
| <input type="checkbox"/>            | SIMATIC RF600 PN       | SIMATIC RF600 PN Template       | 05/09/2019, 15:05:33 | 0.4.1 |

28 - Repository screen / Download of a CSV (.csv) file.



# REPOSITORY SCREEN

How to **delete templates**.

1. In the **Templates** table, select  the files to delete.
2. Click on the **Delete** button.
3. Click on the **YES** button on the confirmation message. The field is deleted from the database and it no longer appears in the table.

Repository

2

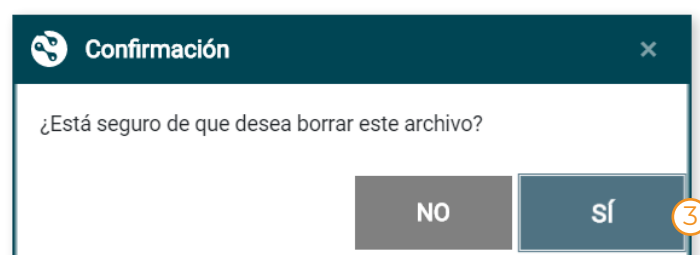
Excel

| <input checked="" type="checkbox"/> | Nombre                 | Descripción                     | Fecha última modificación | Versión |
|-------------------------------------|------------------------|---------------------------------|---------------------------|---------|
| <input type="checkbox"/>            | TOX STE341             | TOX STE341 Template             | 13/09/2019, 13:25:10      | 0.4.1   |
| <input type="checkbox"/>            | Standard PC            | Standard PC template            | 13/09/2019, 13:24:33      | 0.2.3   |
| <input checked="" type="checkbox"/> | WEIDMULLER FCA-PIR-POF | WEIDMULLER FCA-PIR-POF Template | 05/09/2019, 15:11:41      | 0.4.1   |
| <input type="checkbox"/>            | TOX EPWX-V4            | TOX EPWX-V4 Template            | 05/09/2019, 15:09:20      | 0.4.1   |
| <input type="checkbox"/>            | SMC XT581FX            | SMC XT581FX Template            | 05/09/2019, 15:07:52      | 0.4.1   |
| <input type="checkbox"/>            | SKS FB5N PN IRT        | SKS FB5N PN IRT Template        | 05/09/2019, 15:06:40      | 0.4.1   |
| <input type="checkbox"/>            | SIMATIC RF600 PN       | SIMATIC RF600 PN Template       | 05/09/2019, 15:05:33      | 0.4.1   |

1

1 - 7 of 44 items

29 - Repository screen / Delete files.



30 - Repository / Confirmation message.

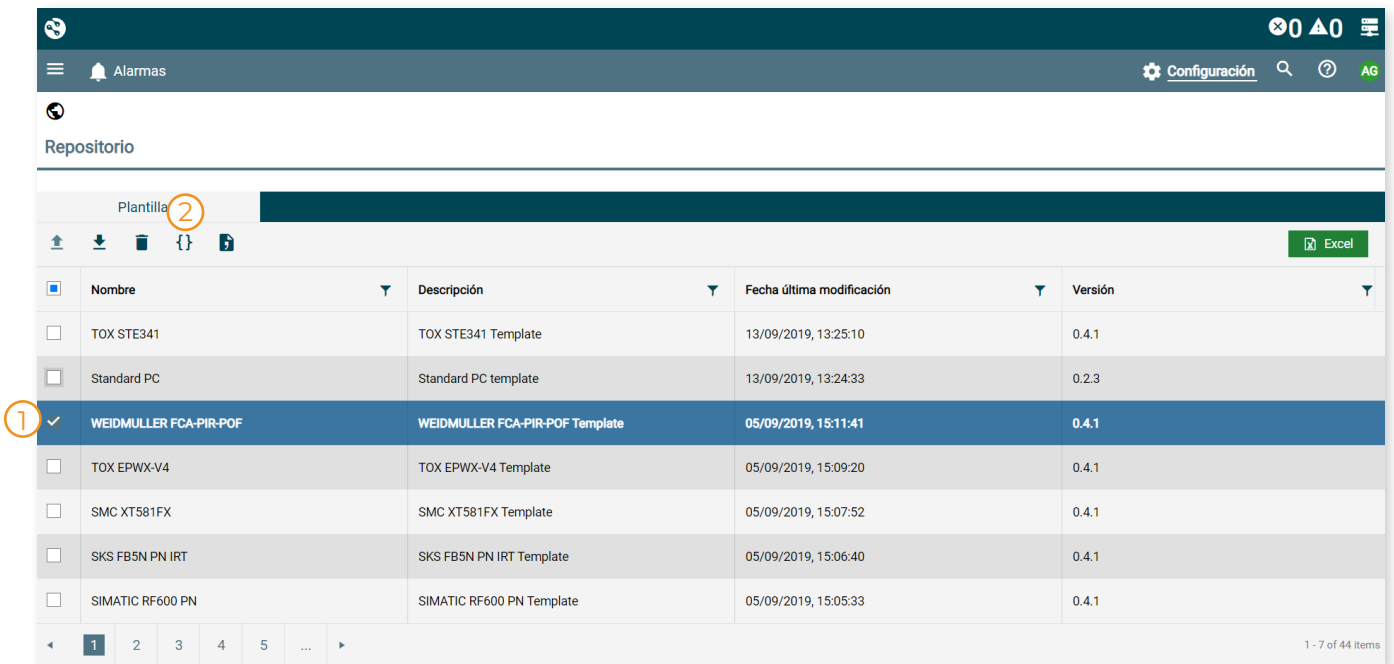


# REPOSITORY SCREEN

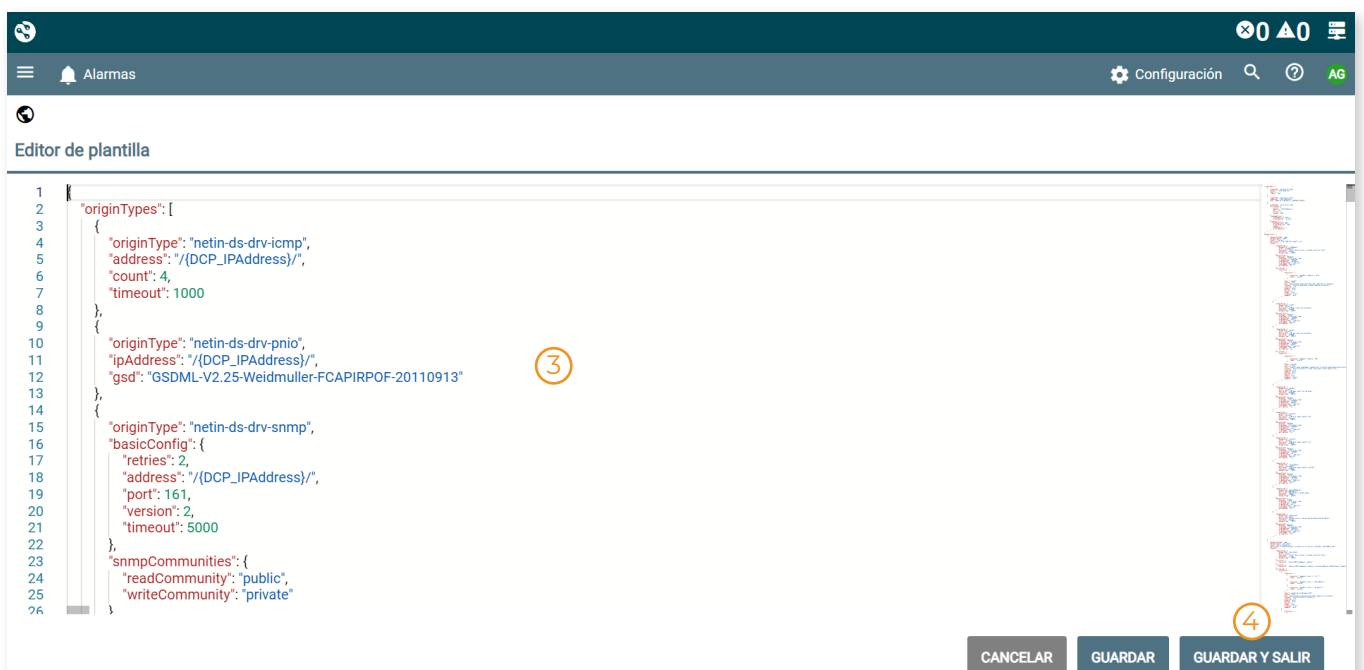
How to **edit templates**.



1. In the **Templates** table, select  the template to edit.
2. Click on the **{ }** **Code** button.
3. In the **Template editor**, make the changes needed.
4. Click on the **Save and exit** button and click on the **YES** button on the confirmation message.



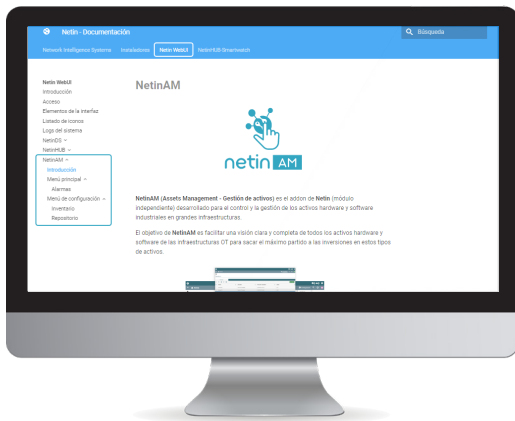
31 - Repository screen / Edit template.



32 - Template editor screen.

## MORE INFORMATION

User manual and legal information.



### User manual

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

The **User manual** is available online, section **Netin WebUI/NetinAM**, at the Netin official documentacion site:

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

### Legal information

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Design, specifications, information and images in this guide are subject to change without prior notice.





netin **AM**

 NETIN SYSTEMS, S.L.  
C/ Punto Net, 4 1ºB, Edificio ZYE.  
28805 Alcalá de Henares (Madrid) Spain

 info@netin.com  
902 044 121

 Network  
Intelligence Systems

 Network  
Intelligence Systems

 @netinsystems

