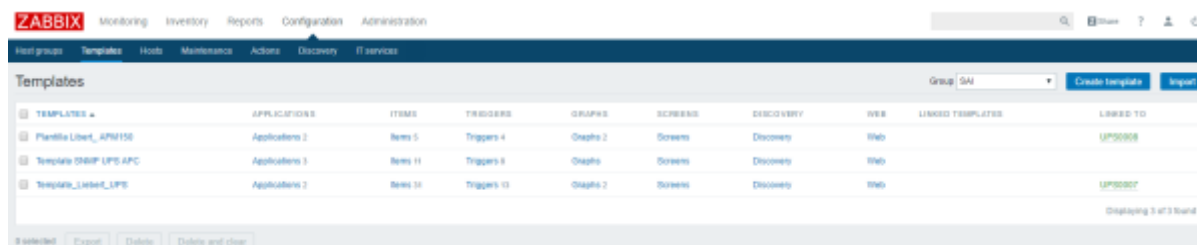


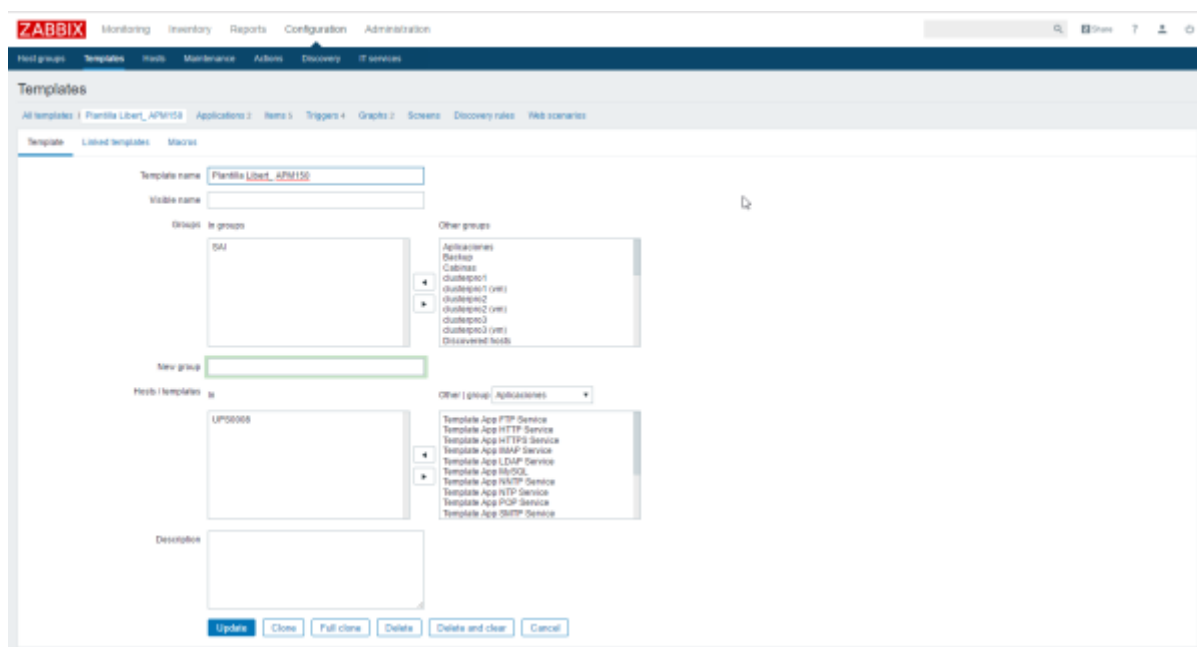
[template](#), [plantilla](#), [zabbix](#), [crear](#)

## Creación de plantillas en Zabbix

En este caso vamos a crear una plantilla con una serie de **items** y **triggers** para monitorizar una SAI Libert APM 150. Para ello en la pestaña Configuration→Templates y pulsamos en el botón **Create Template**



Le ponemos un nombre, si pertenece a un grupo y el host al que estará asociada



## Crear Item

Lo siguiente será crear un item para nuestra plantilla, para ello pulsamos dentro de dicha plantilla en la opción items y al botón que aparece en la parte superior derecha **Create Item**

The screenshot shows the Zabbix web interface. The top navigation bar includes 'Monitoring', 'Inventory', 'Reports', 'Configuration', and 'Administration'. The sub-navigation bar includes 'Host groups', 'Templates', 'Hosts', 'Maintenance', 'Actions', 'Event correlation', 'Discovery', and 'Services'. The main content area is titled 'Items' and features a 'Filter' section with various dropdown menus and input fields for searching and filtering items. Below the filter is a table with columns for 'Name', 'Triggers', 'Key', 'Interval', 'History', 'Trends', 'Type', 'Applications', and 'Status'. The table currently shows 'No data found.' and a status bar at the bottom indicates '0 selected' and 'Displaying 0 of 0 found'.

Voy a crear un item llamado potencia de salida para saber el consumo estimado de potencia a la salida de la SAI. Esto además me va a permitir posteriormente crear una gráfica para tener una visualización en el tiempo de la misma.

Para poder crear el item necesitamos tener los parámetros de SNMP correspondientes al valor que queramos monitorizar. En el caso de la Liebert APM150K se pueden obtener facilmente. Basta con acceder mediante navegador a la tarjeta de configuración de la misma, ir a la pestaña **data/logs** y en desplegable del lateral seleccionar Summary → SNMP Capabilities → Parameters y buscar en parámetro que queremos monitorizar.

The screenshot displays the web interface of an Emerson Network Power Liebert APM 150 K UPS. The interface is divided into several sections:

- Device Identification:** Shows the device name "APM 150 K" and its status "Normal Operation".
- Device Status:** Indicates the device is in "Normal Operation".
- Data/Logs:** A sidebar menu with options: Summary, Downloads, Event Logs, Agent, SNMP Capabilities, Events, and Parameters (highlighted).
- SNMP Parameters:** A list of SNMP parameters and their values, including:
  - sysDescr, 1.3.6.1.2.1.1.0
  - sysObjectID, 1.3.6.1.2.1.1.2.0
  - sysUpTime, 1.3.6.1.2.1.1.3.0
  - sysContact, 1.3.6.1.2.1.1.4.0
  - sysName, 1.3.6.1.2.1.1.5.0
  - sysLocation, 1.3.6.1.2.1.1.6.0
  - lgpAgentIdentManufacturer, 1.3.6.1.4.1.476.1.42.2.1.1.0
  - lgpAgentIdentModel, 1.3.6.1.4.1.476.1.42.2.1.2.0
  - lgpAgentIdentFirmwareVersion, 1.3.6.1.4.1.476.1.42.2.1.3.0
  - lgpAgentIdentSerialNumber, 1.3.6.1.4.1.476.1.42.2.1.4.0
  - lgpAgentDeviceIndex, 1.3.6.1.4.1.476.1.42.2.4.2.1.1.1
  - lgpAgentDeviceId, 1.3.6.1.4.1.476.1.42.2.4.2.1.2.1
  - lgpAgentDeviceManufacturer, 1.3.6.1.4.1.476.1.42.2.4.2.1.3.1
  - lgpAgentDeviceModel, 1.3.6.1.4.1.476.1.42.2.4.2.1.4.1
  - lgpAgentDeviceUnitNumber, 1.3.6.1.4.1.476.1.42.2.4.2.1.6.1
  - lgpAgentDeviceManufactureDate, 1.3.6.1.4.1.476.1.42.2.4.2.1.8.1
  - lgpAgentReboot, 1.3.6.1.4.1.476.1.42.2.5.1.0
  - upsBatteryStatus, 1.3.6.1.2.1.33.1.2.1.0
  - upsEstimatedMinutesRemaining, 1.3.6.1.2.1.33.1.2.3.0
  - upsInputLineIndex, 1.3.6.1.2.1.33.1.3.3.1.1.1
  - upsInputLineIndex, 1.3.6.1.2.1.33.1.3.3.1.1.2
  - upsInputLineIndex, 1.3.6.1.2.1.33.1.3.3.1.1.3
  - upsInputVoltage, 1.3.6.1.2.1.33.1.3.3.1.3.1
  - upsInputVoltage, 1.3.6.1.2.1.33.1.3.3.1.3.2
  - upsInputVoltage, 1.3.6.1.2.1.33.1.3.3.1.3.3
  - upsInputCurrent, 1.3.6.1.2.1.33.1.3.3.1.4.1
  - upsInputCurrent, 1.3.6.1.2.1.33.1.3.3.1.4.2
  - upsInputCurrent, 1.3.6.1.2.1.33.1.3.3.1.4.3
  - upsOutputSource, 1.3.6.1.2.1.33.1.4.1.0
  - upsOutputFrequency, 1.3.6.1.2.1.33.1.4.2.0
  - upsOutputLineIndex, 1.3.6.1.2.1.33.1.4.4.1.1.1
  - upsOutputLineIndex, 1.3.6.1.2.1.33.1.4.4.1.1.2
  - upsOutputLineIndex, 1.3.6.1.2.1.33.1.4.4.1.1.3
  - upsOutputVoltage, 1.3.6.1.2.1.33.1.4.4.1.2.1
  - upsOutputVoltage, 1.3.6.1.2.1.33.1.4.4.1.2.2
  - upsOutputVoltage, 1.3.6.1.2.1.33.1.4.4.1.2.3
  - upsOutputCurrent, 1.3.6.1.2.1.33.1.4.4.1.3.1
  - upsOutputCurrent, 1.3.6.1.2.1.33.1.4.4.1.3.2
  - upsOutputCurrent, 1.3.6.1.2.1.33.1.4.4.1.3.3
  - upsBypassFrequency, 1.3.6.1.2.1.33.1.5.1.0
  - upsBypassLineIndex, 1.3.6.1.2.1.33.1.5.3.1.1.1
  - upsBypassLineIndex, 1.3.6.1.2.1.33.1.5.3.1.1.2
  - upsBypassLineIndex, 1.3.6.1.2.1.33.1.5.3.1.1.3
  - upsBypassVoltage, 1.3.6.1.2.1.33.1.5.3.1.2.1
  - upsBypassVoltage, 1.3.6.1.2.1.33.1.5.3.1.2.2
  - upsBypassVoltage, 1.3.6.1.2.1.33.1.5.3.1.2.3
  - lgpConditionsPresent, 1.3.6.1.4.1.476.1.42.3.2.2.0
  - lgpEnvTemperatureDescrDegC, 1.3.6.1.4.1.476.1.42.3.4.1.3.3.1.2.1
  - lgpEnvTemperatureDescrDegC, 1.3.6.1.4.1.476.1.42.3.4.1.3.3.1.2.2
  - lgpEnvTemperatureMeasurementDegC, 1.3.6.1.4.1.476.1.42.3.4.1.3.3.1.3.1
  - lgpEnvTemperatureMeasurementDegC, 1.3.6.1.4.1.476.1.42.3.4.1.3.3.1.3.2
  - lgpPwrBatteryTimeRemaining, 1.3.6.1.4.1.476.1.42.3.5.1.18.0
  - lgpPwrBatteryChargeStatus, 1.3.6.1.4.1.476.1.42.3.5.1.19.0

En mi caso el parámetro aparece como **System Output Power,1.3.6.1.4.1.476.1.42.3.9.20.1.20.1.2.1.4208**

Configuramos nuestro ítem

seguridad:monitorizacion:zabbix3:template <https://intrusos.info/doku.php?id=seguridad:monitorizacion:zabbix3:template&rev=1516198988>

NamePotencia de Salida

TypeSNMPv2 agent

KeySystemOutputPowerSelect

SNMPOID1.3.6.1.4.1.4756.1.42.3.9.20.1.20.1.2.1.4208

SNMP community{SSNMP\_COMMUNITY}

Port161

Type of informationNumeric (unsigned)

UnitskW

Update interval30s

Custom intervals

| Type     | Interval   | Period | Action                |
|----------|------------|--------|-----------------------|
| Flexible | Scheduling | 50s    | 1-7,00:00-24:00Remove |
| Add      |            |        |                       |

History storage period90d

Trend storage period365d

Show valueAs isshow value mappings

New application

Applications

- None-
- Performance

Populates host inventory field-None-

Description

Enabled☒

Creamos ahora nuestra gráfica con el item que acabamos de crear.

ZABBIX

MonitoringInventoryReportsConfigurationAdministration

Host groups

Templates

Hosts

Maintenance

Actions

Event correlation

Discovery

Services

Graphs

Group

SAI

Host

Plantilla Lieber APM150

Create graph

All templates / Plantilla Lieber APM150

Applications 1

Items 1

Triggers

Graphs

Screens

Discovery rules

Web scenarios

☐

Name ▲

Width

Height

Graph type

No data found.

Displaying 0 of 0 found

0 selected

Copy

Delete

ZABBIX

MonitoringInventoryReportsConfigurationAdministration

Host groupsTemplatesHostsMaintenanceActionsEvent correlationDiscoveryServices

Graphs

All templates / Plantilla Lieber APM150Applications 1Items 1TriggersGraphs 1ScreensDiscovery rulesWeb scenarios

GraphPreview

Name

Carga a la salida

Width

900

Height

200

Graph type

Normal

Show legend

☒

Show working time

☒

Show triggers

☒

Percentile line (left)

☐

Percentile line (right)

☐

Y axis MIN value

Calculated

Y axis MAX value

Calculated

Items

| Name                                           | Function | Draw style | Y axis side | Colour | Action |
|------------------------------------------------|----------|------------|-------------|--------|--------|
| 1: Plantilla Lieber APM150: Potencia de Salida | avg      | Line       | Left        | 1A7C11 | Remove |

Add

Update

Clone

Delete

Cancel

From:  
<https://intrusos.info/> - LCWIKI

Permanent link:  
<https://intrusos.info/doku.php?id=seguridad:monitorizacion:zabbix3:template&rev=1516198988>

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