

[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**

Items

All templates / Plantilla Lieber APM150 Applications Items Triggers Graphs Screens Discovery rules Web scenarios

Host groups Templates Hosts Maintenance Actions Event correlation Discovery Services

Host group  Select Type all Type of information all State all Host  Select Status all Application  Update interval History Trends Triggers all Template all Name  Key

Subfilter affects only filtered data

Wizard	Name ▲	Triggers	Key	Interval	History	Trends	Type	Applications	Status
No data found.									

Displaying 0 of 0 found

0 selected

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 fácilmente. 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.

EMERSON Network Power		monitor	control	configure	data/logs	support	Liebert
Device Identification:	APM 150 K						
Device Status:	Normal Operation						
Data/Logs:							
<input checked="" type="checkbox"/> Summary <input checked="" type="checkbox"/> Downloads <input checked="" type="checkbox"/> Event Logs <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> SNMP Capabilities <input checked="" type="checkbox"/> Events <input checked="" type="checkbox"/> Parameters							
<b>SNMP Parameters:</b> [SNMP Parameters] sysDescr,1.3.6.1.2.1.1.1.0 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 upsOutputCurrent,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,1.3.6.1.4.1.476.1.42.3.5.1.1.8.0 lgpDvrBatteryCapacityStatus,1.2.6.1.4.1.476.1.42.2.5.1.20.0							

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**



con herramientas como [snmp tester](#) podemos comprobar un dispositivo

## Configuramos nuestro item

The screenshot shows the Zabbix configuration interface for creating a new item. The item is named "Potencia de Salida" and is of type "SNMPv2 agent". The key is "SystemOutputPower", and the SNMP OID is "1.3.6.1.4.1.476.1.42.3.9.20.1.20.1.2.1.4208". The SNMP community is set to "\${SNMP\_COMMUNITY}", port is 161, and the type of information is "Numeric (unsigned)". Units are "kW", and the update interval is 30s. A custom interval is defined with a flexible period of 50s from 1-7:00-00-24:00. The history storage period is 90d, and the trend storage period is 365d. The "Show value" dropdown is set to "As is", with a link to "show value mappings". Under "New application", the "Applications" dropdown shows "-None-". The "Populates host inventory field" dropdown is set to "-None-". The "Description" field is empty. The "Enabled" checkbox is checked.

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

The screenshot shows the Zabbix "Graphs" section. The "Host groups" dropdown is set to "All templates / Plantilla Lieber APM150". The "Host" dropdown is set to "Plantilla Lieber APM150". The "Create graph" button is highlighted with a mouse cursor. The search bar at the top right contains the text "ZABBIX".

ZABBIX Monitoring Inventory Reports Configuration Administration

Host groups Templates Hosts Maintenance Actions Event correlation Discovery Services

## Graphs

All templates / Plantilla Lieber APM150 Applications 1 Items 1 Triggers Graphs 1 Screens Discovery rules Web scenarios

Graph Preview

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	<a href="#">Remove</a>	

Add

Update Clone Delete Cancel

## Enlaces

- <http://panicoenelcpd.blogspot.com.es/2011/07/plantilla-de-dispositivos-snmp-en.html>

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