Quick Start Guide
Zabbix Installation
GUDE devices

GUDE

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Introduction

Dear Customer,

Our quality products enable the optimization and expansion of professionally operated IT and AV infrastructures. Especially when it comes to industry-typical questions, our reliable IP power solutions support the demanding user in 3 central challenges:

1. How can I increase the energy efficiency in my IT rack?
2. How can I increase the reliability of my business-critical infrastructure?
3. How can I gain control over the status of my server environment?

In this context, the **Zabbix Software** offers the possibility to monitor and manage our products via one central application. A clearly arranged graphical user interface supports you in keeping track of your network devices. This way, you always have an overview of all relevant key figures of your server or rack environment.

Using our **Expert Power Control 1202-1** – an IP-switchable & manageable Power Distribution Unit (PDU)– as an example, this manual shows you how to continuously monitor your IT installations and power consumption with the Zabbix software in just a few steps.

If you have any questions about our products, please do not hesitate to contact our service staff: support@gude-systems.com.

Your GUDE Team

made
in
Germany

Good. Great. GUDE.

Preface

Find out how to download and install Zabbix on their website: https://www.zabbix.com/manuals and https://www.zabbix.com/download

Before you start

Before adding a GUDE device to Zabbix, please make sure that *SNMP get*, *SNMP set* and your preferred version of SNMP is enabled.

Note: For SNMPv2 the *public Community* is by default "public" and "private" for the *private Community*. Both can be changed in the device's webinterface.

Import templates to Zabbix

Templates for our GUDE devices can be requested via e-mail: support@gude-systems.com.
Our device templates for Zabbix cover all sensors that can be monitored with our devices via webinterface. They are used to make the integration of your GUDE devices into Zabbix as easy as possible.

Step 1: Go to *Templates* in the menu bar under *Configuration*.
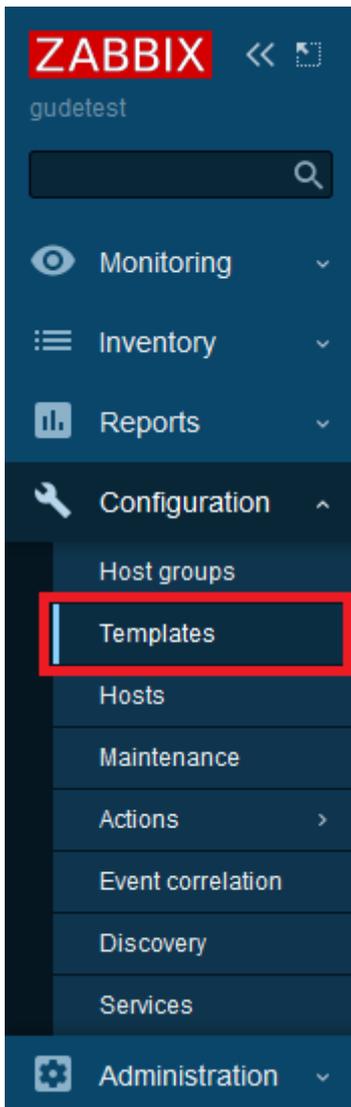

Note: Our templates are using SNMP for sensor monitoring and can be used for an easy integration into Zabbix without you having to add every individual OID by yourself. The sensors in the template can be changed individually to your liking after importing the template to Zabbix.

**Step 2**: Import the template by clicking on *Import*. A new window will appear.

In the new window: Go to the folder where you have saved the template file, choose the template file and then click on *Import*.
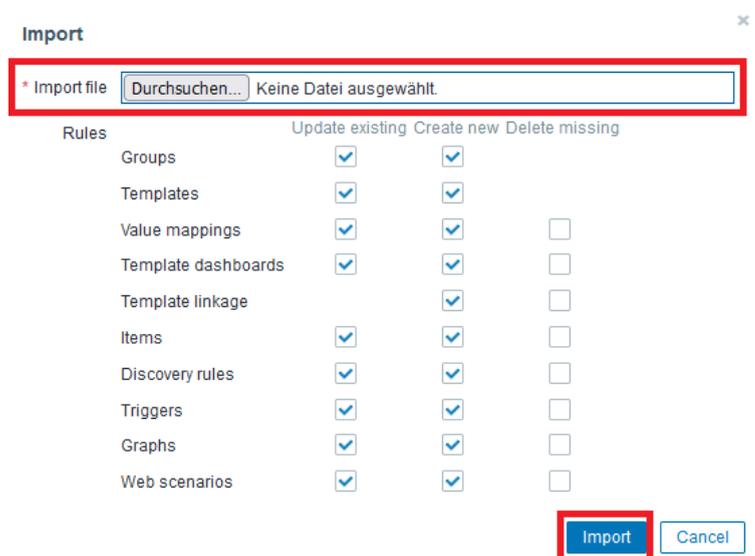
Adding a GUDE device into Zabbix

After importing a template into Zabbix you can now create a device (host) using that template. A host is the specific GUDE device you use and plan to monitor with Zabbix.

Step 1: Go to *Hosts* in the menu bar under *Configuration*.
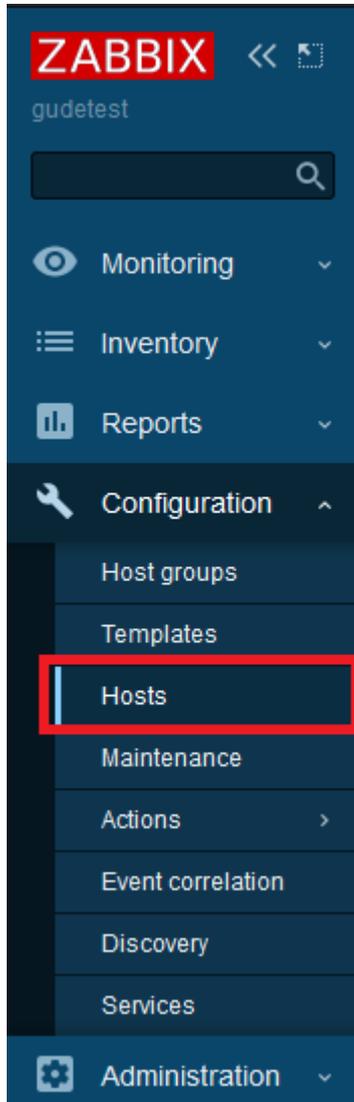
Note: Integrating your GUDE device into Zabbix will give you an organized overview of the data you want to collect. In this case, adding our **Expert Power Control 1202-1** to **Zabbix** provides you with data such as: metering of power consumption, environment data (e.g., temperature & humidity) and port status.

Step 2: Click on *Create host* to create a device.
A new window will appear after clicking on *Create host*.

Step 3: Fill out the required fields *Host name* and *Groups* in the window. The *host name* and *group* can be defined by yourself. In this example we integrate our **Expert Power Control 1202-1**, a 4 port IP-switchable PDU, into **Zabbix**. Since our device template use SNMP, the *Interface* for the host will be SNMP as well.

Step 4: Fill out the new fields that have appeared after choosing the *Interface* "SNMP".
IP address must be the IP address of your GUDE device. *SNMP version* is the version you wish to use. In this case we will go with SNMPv2. *SNMP community* is the public community you have set up in the webinterface of your GUDE device.
Note: If you have not changed the communities in the webinterface of your GUDE device, then *public community* is by default "public" and *private community* is by default "private".

Step 5: After completing the fields for the GUDE device, you can choose the template you have imported previously into Zabbix. Click on *Templates* and then on *Select*.
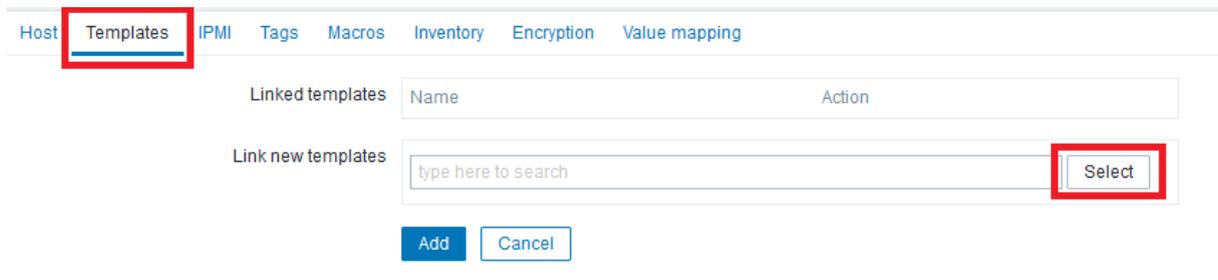
The *Host group* for our PDU templates is "Power Distribution Unit" and "Template/PDU".
Choose the appropriate device series if you have more than one GUDE template imported into Zabbix and then click *Select*. For this guide we will go with "GUDE Expert Power Control 1202".
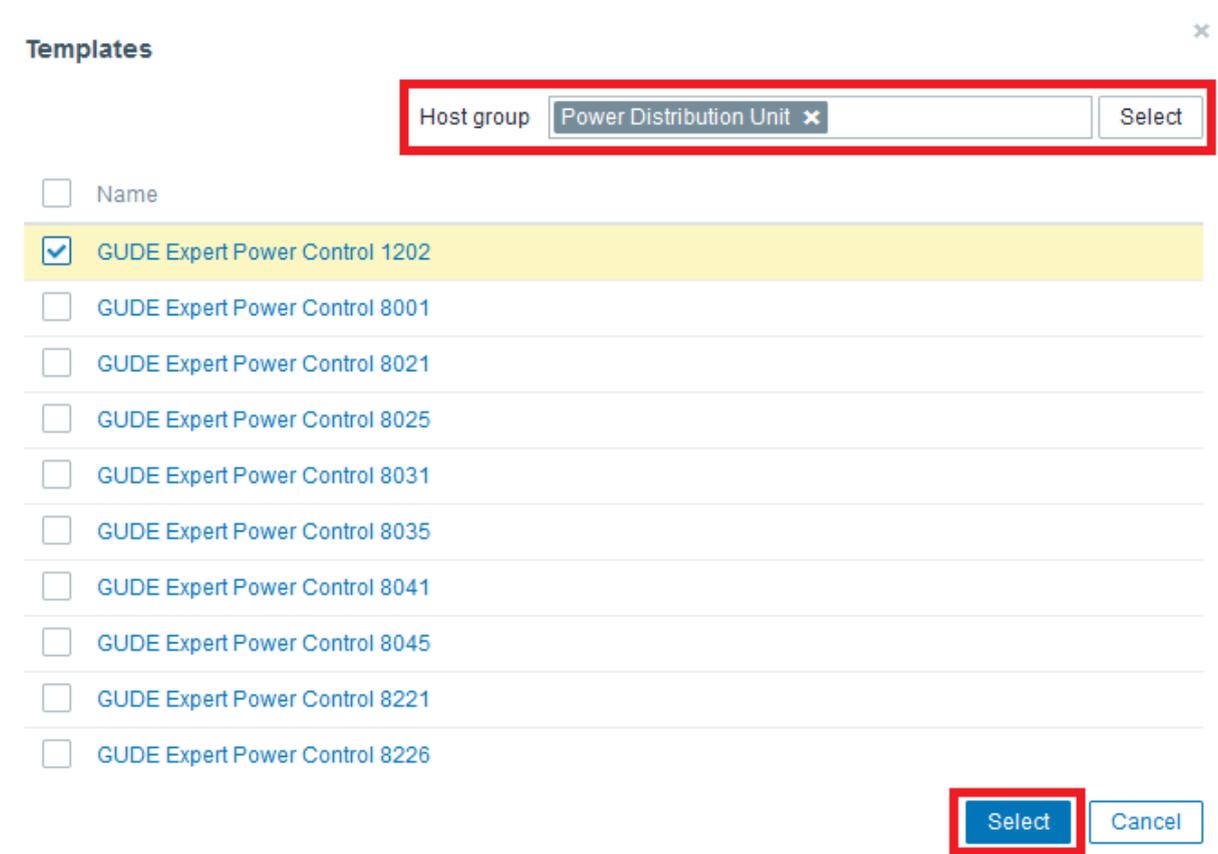
Step 6: Add the device by clicking *Add*.
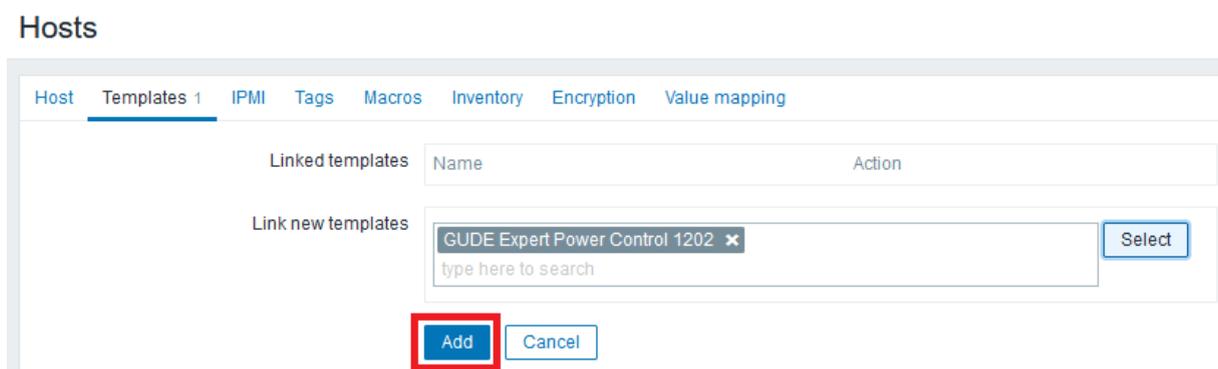
Congratulations: Your GUDE device shows up on the *Host overview* after adding a host to Zabbix.

Configuring the dashboard in Zabbix

Your *Dashboard* in Zabbix can be configured in many ways, so you are provided only with the information you need for your specific installation. In this guide we will configure the dashboard to display *total energy (kWh)*, *current (A)*, *temperature (°C)* and *humidity (%)*.

Step 1: Go to *Dashboard* in the menu bar under *Monitoring*.
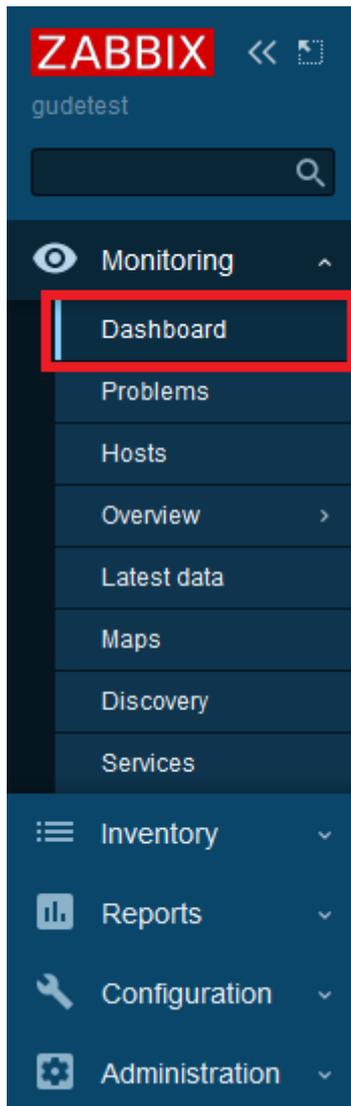
Step 2: Select *Create new* in the small dropdown menu on the top right corner.
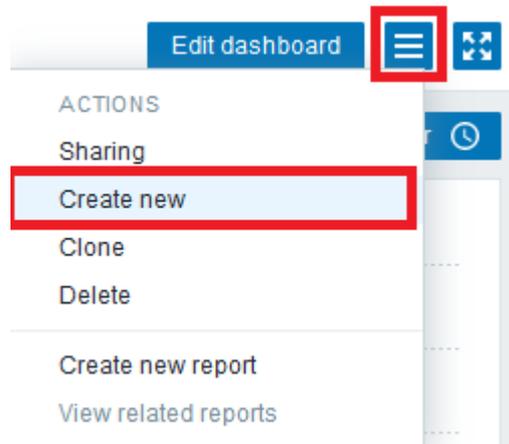
Step 3: Fill out the *Dashboard properties* according to your needs.

Step 4: Once the dashboard has been created you can then add *Widgets*. In case you are not in *edit mode* after creating a dashboard, simply click on *Edit dashboard*.

Step 5: Since we want to monitor *total energy (kWh)*, *current (A)*, *temperature (°C)* and *humidity (%)* with our **Expert Power Control 1202**, the *widget-type* we are going to add is a *Graph*. *Name* and *Refresh interval* can be freely configured.
For *Data set* choose the previously added GUDE device (*host*) and the *sensor type* you want to monitor. Click *Apply* once you have finished the settings.

Note: After adding all the sensors you want to monitor, your dashboard should look something like this:

1) *total energy (kWh)*   2) *current (A)*   3) *temperature (°C)*   4) *humidity (%)*

Step 6 (optional): Clicking on the *clock symbol* in the top right corner allows you to choose the *time frame* for Zabbix.

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