

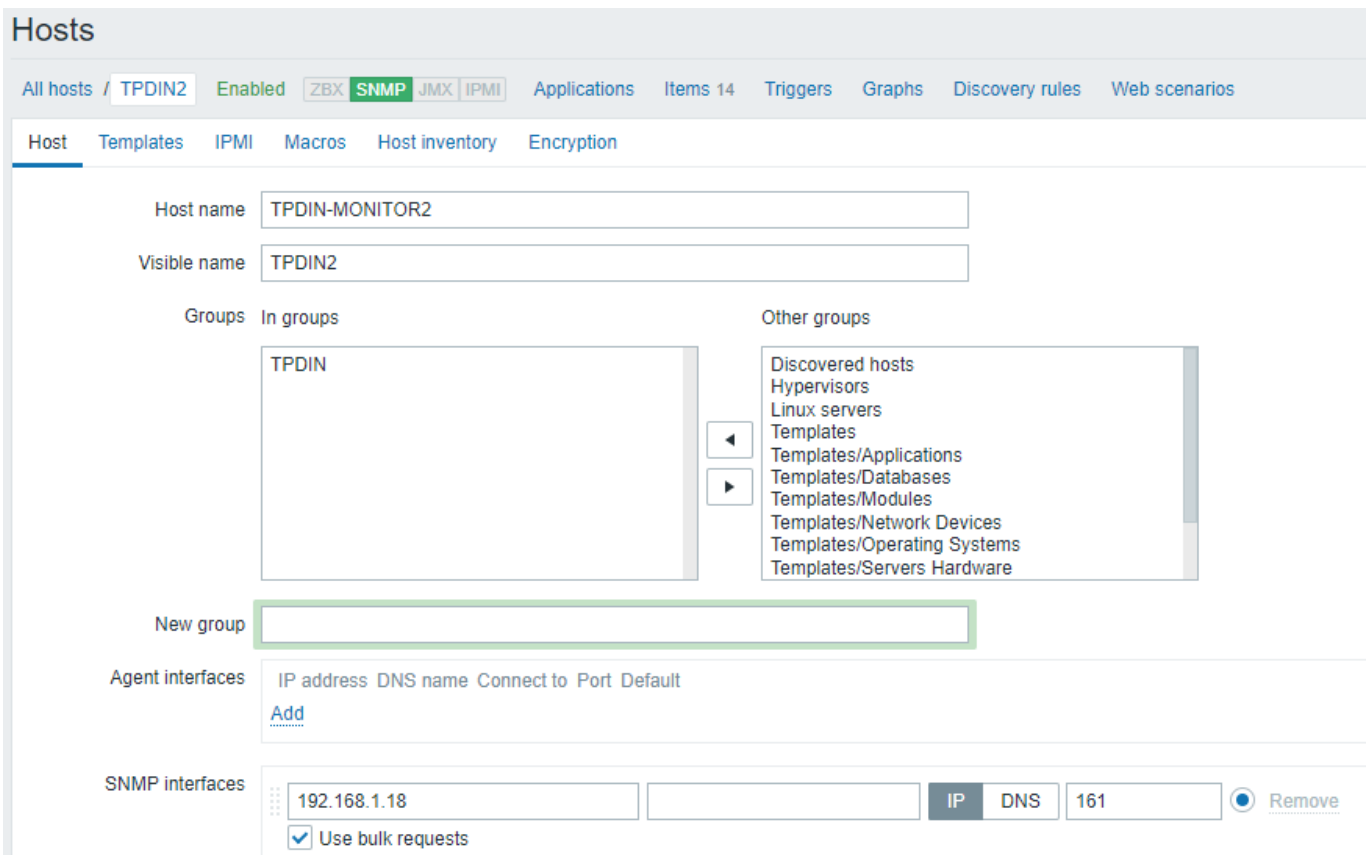
TPDIN-Monitor-WEB2 – SNMP Monitoring with Zabbix

Here are some tips for configuring Zabbix to display SNMP data for the TPDIN-Monitor-WEB2.

This was tested using a [Zabbix Appliance](#) with Zabbix v3.4.

First you will need to create a Host. This is done in Configuration -> Hosts -> Create host (button on upper right).

Here is an example Host:



The screenshot shows the Zabbix web interface for configuring a host. The page title is "Hosts" and the breadcrumb is "All hosts / TPDIN2". The host is currently "Enabled" and has "SNMP" selected as the monitoring type. The configuration fields are as follows:

- Host name: TPDIN-MONITOR2
- Visible name: TPDIN2
- Groups: In groups (TPDIN), Other groups (Discovered hosts, Hypervisors, Linux servers, Templates, Templates/Applications, Templates/Databases, Templates/Modules, Templates/Network Devices, Templates/Operating Systems, Templates/Servers Hardware)
- New group: (empty field)
- Agent interfaces: IP address, DNS name, Connect to, Port, Default. An "Add" button is present.
- SNMP interfaces: 192.168.1.18, IP, DNS, 161. A "Remove" button is present.
- Use bulk requests:

After creating a host, you can create the Items that monitor the SNMP data. Click on: Configuration -> Hosts -> (Click on the Host) -> Items -> Create item (button on the far right).

Here is an example that shows the configuration for Voltage 1:

Item Preprocessing

Name

Type

Key

Host interface

SNMP OID

SNMP community

Port

Type of information

Units

Update interval

Custom intervals

Type	Interval	Period	Action
<input checked="" type="checkbox"/> Flexible <input type="checkbox"/> Scheduling	<input type="text" value="50s"/>	<input type="text" value="1-7,00:00-24:00"/>	Remove
Add			

History storage period

Trend storage period

Show value [show value mappings](#)

The SNMP values for voltage, current, and temperature are integers, so you can use a custom multiplier to move the decimal point one digit to the left:

Items

All hosts / TPDIN2 Enabled ZBX **SNMP** JMX IPMI Applications **Items 14** Triggers Graphs Discovery rules Web scenarios

Item Preprocessing

Preprocessing steps

Name	Parameters	Action
Custom multiplier	0.1	Remove

[Add](#)

[Update](#) [Clone](#) [Clear history and trends](#) [Delete](#) [Cancel](#)

Here is what it should look like in Monitoring -> Latest data:

<input type="checkbox"/> Name	Last check	Last value	Change
▼ - other - (14 Items)			
<input type="checkbox"/> Current 1	2018-08-14 01:17:59	0 A	Graph
<input type="checkbox"/> Current 2	2018-08-14 01:17:59	0 A	Graph
<input type="checkbox"/> Current 3	2018-08-14 01:17:59	-0.1 A	Graph
<input type="checkbox"/> Current 4	2018-08-14 01:17:59	0 A	Graph
<input type="checkbox"/> External Temperature	2018-08-14 01:17:59	26.6 C	Graph
<input type="checkbox"/> Internal Temperature	2018-08-14 01:17:59	36.4 C	Graph
<input type="checkbox"/> Relay 1	2018-08-14 01:17:59	0	Graph
<input type="checkbox"/> Relay 2	2018-08-14 01:17:59	1	Graph
<input type="checkbox"/> Relay 3	2018-08-14 00:29:50	1	Graph
<input type="checkbox"/> Relay 4	2018-08-14 01:17:59	0	Graph
<input type="checkbox"/> Voltage 1	2018-08-14 01:17:59	5.3 V	Graph
<input type="checkbox"/> Voltage 2	2018-08-14 01:17:59	0 V	Graph
<input type="checkbox"/> Voltage 3	2018-08-14 01:17:59	0 V	Graph
<input type="checkbox"/> Voltage 4	2018-08-14 01:17:59	0 V	Graph