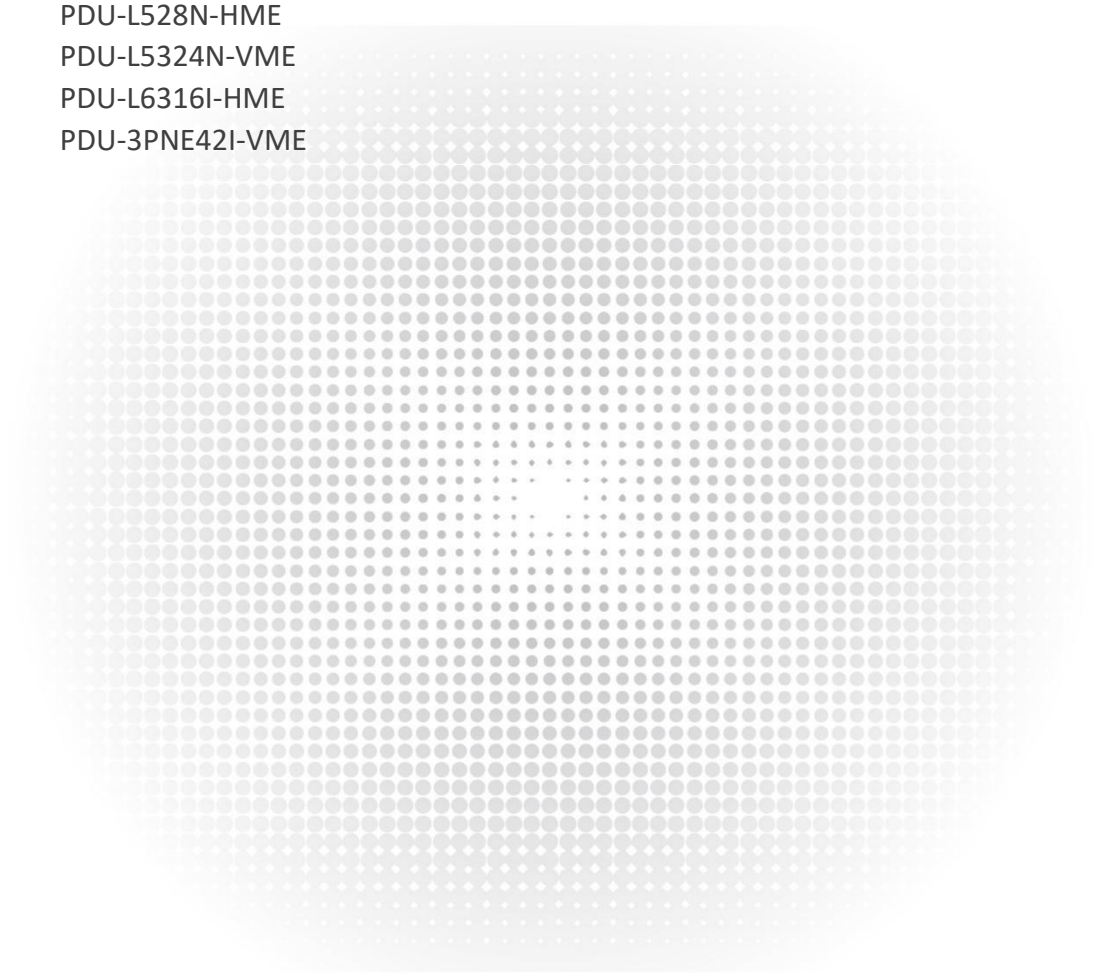
Configure Zabbix to Monitor PDU Via SNMP

Models: PDU-L6324I-VSW
PDU-3PNE24I-VSW
PDU-2PE24I-VME
PDU-3PNPE24I-VME
PDU-C148I-HME
PDU-5158N-HME
PDU-L528N-HME
PDU-L5324N-VME
PDU-L6316I-HME
PDU-3PNE42I-VME



CONFIGURATION GUIDE

Contents

1. Preface

Zabbix is an open-source monitoring software for networks and applications. It can monitor many network parameters and the health and integrity of servers,virtual machines, and any other kind of network device. This document will guide you to import the FS template in Zabbix and apply the template to monitor the FS MPDU. The version of Zabbix in this document is 6.4.4 (Linux version is 4.18.0, Mysql version is 8.0.30), and taking MPDU as an example to monitor the PDU.

2. Operation Guide

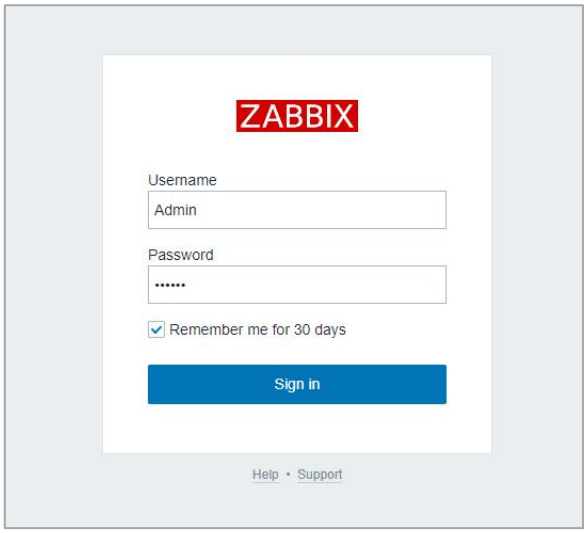
2.1 Operation Steps

- Log in to Zabbix to import the "FS MPDU Series SNMP" template
- Create host group FS MPDU
- Create host, link host group and template
- Monitor host data

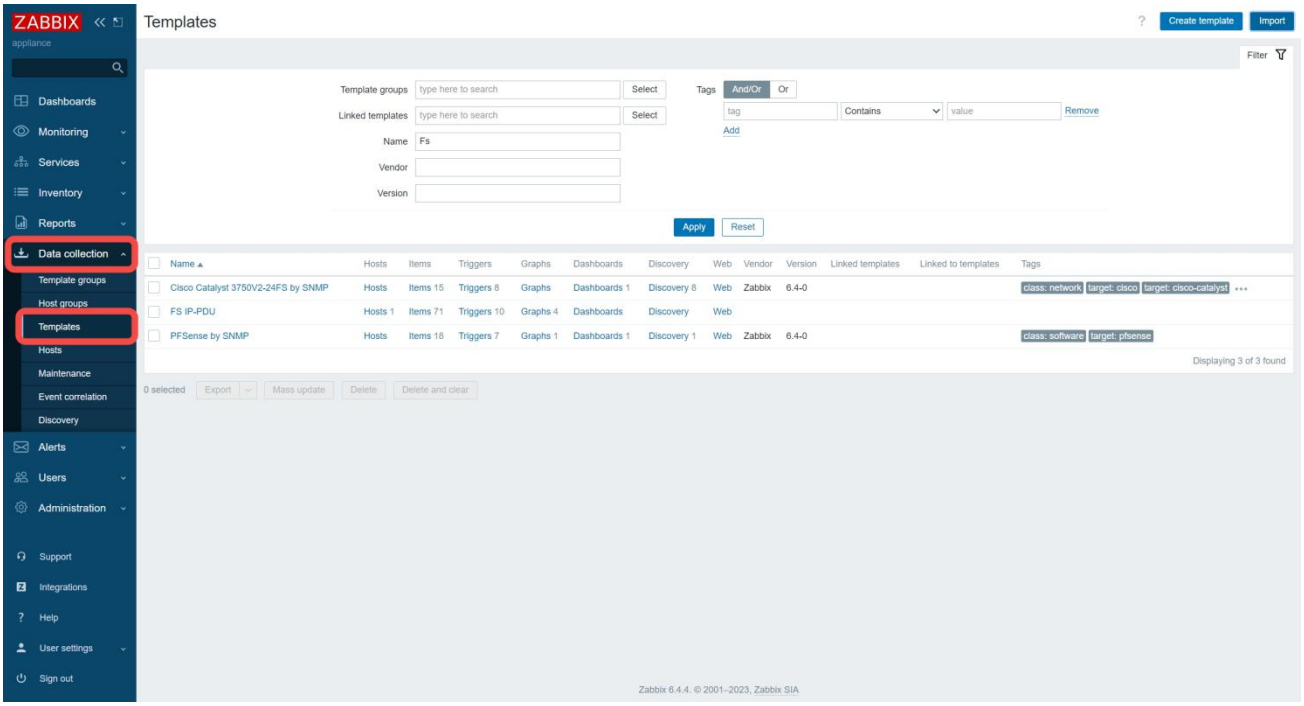
2.2 Operation Process

2.2.1 Log in to Zabbix to Import Templates

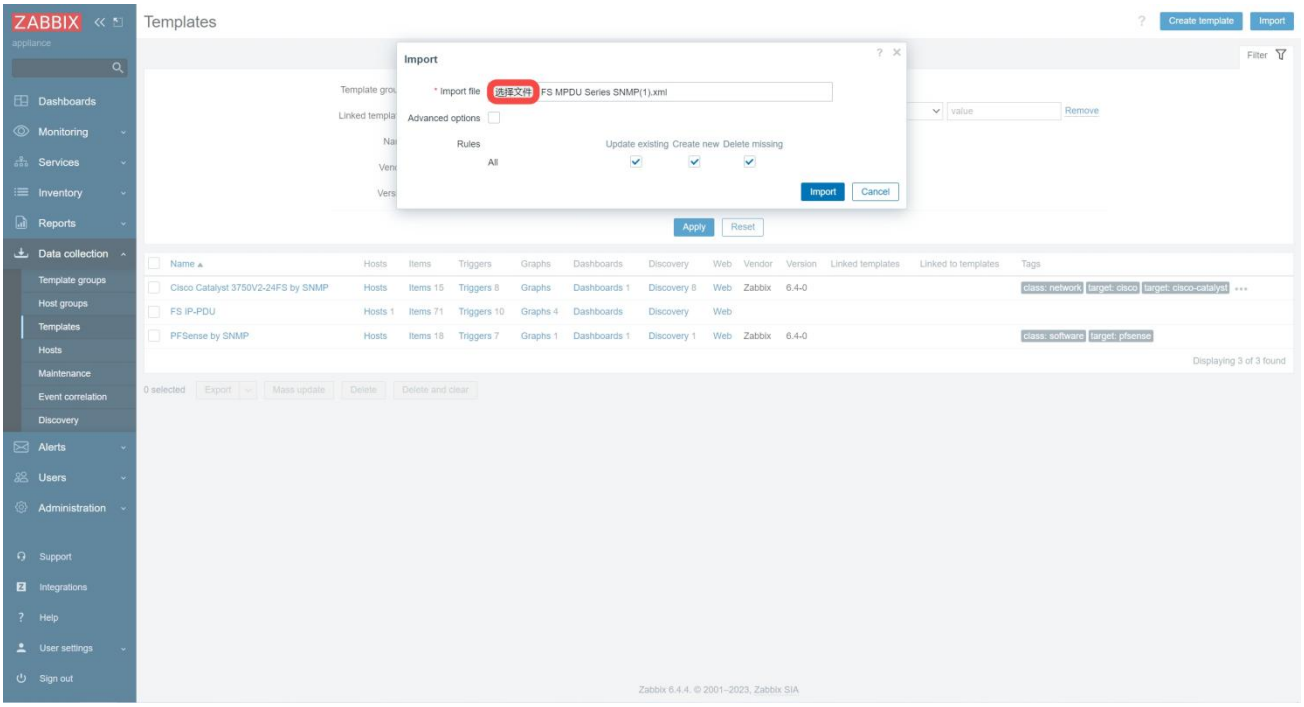
Step 1: Open Zabbix login interface and enter the user name and password to log in to the Zabbix software.



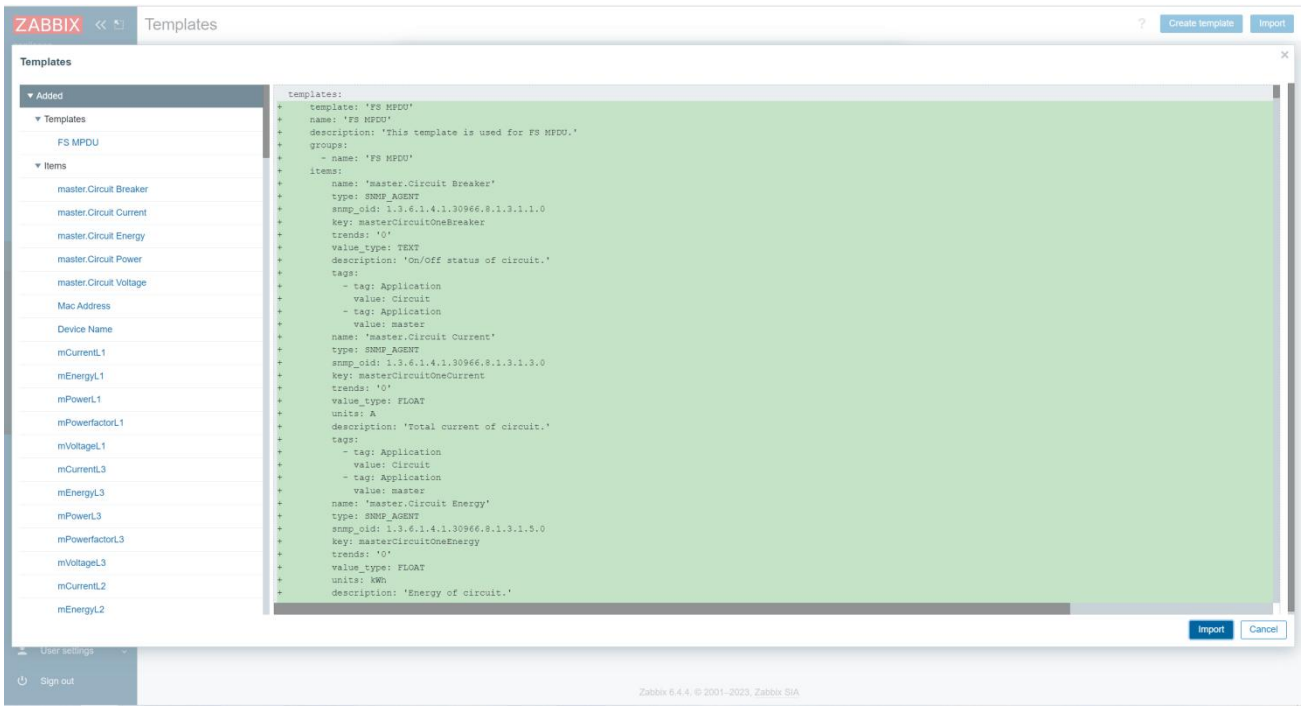
Step 2: Select the **Templates** under Data collection category, and click **Import** in the upper right corner to enter the template import interface.



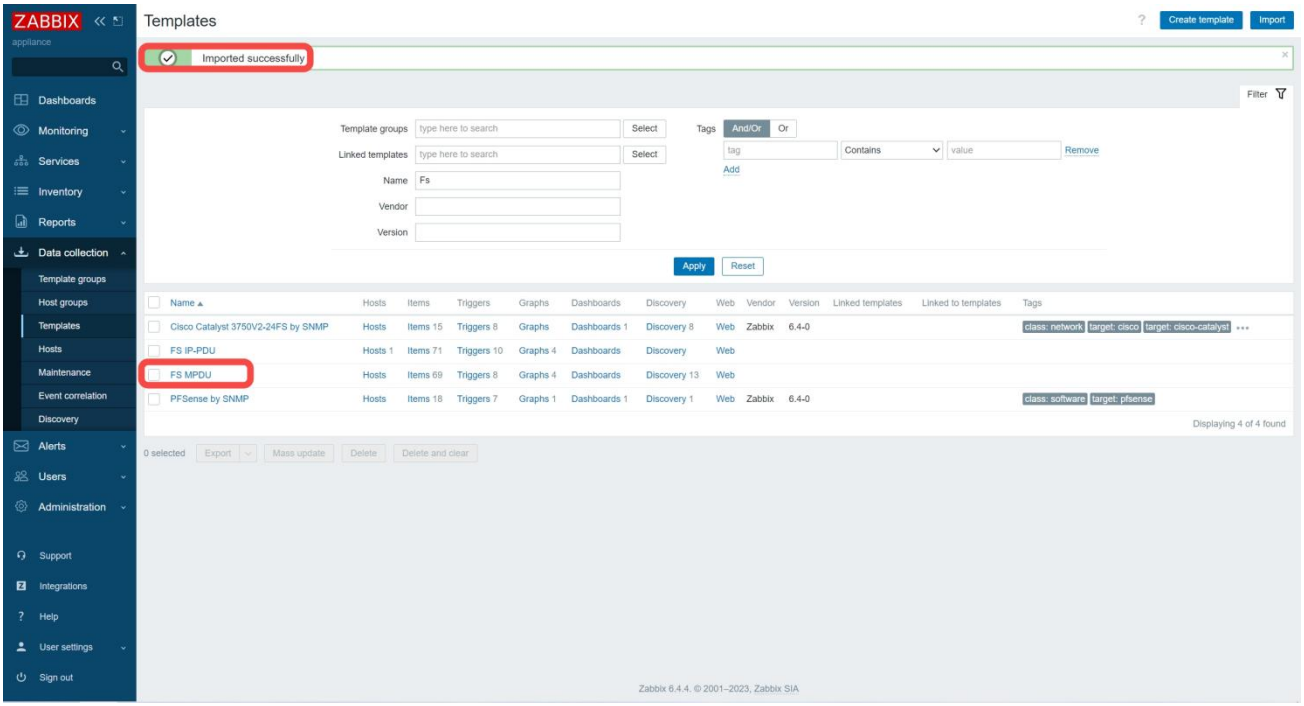
Step 3: Select the "FS MPDU Series SNMP.xml" file, click the **Import** button to import it.



When you import the template, the template name is automatically recognized and a template group is created with the name "FS MPDU", which corresponds to the template as follows, click "import".

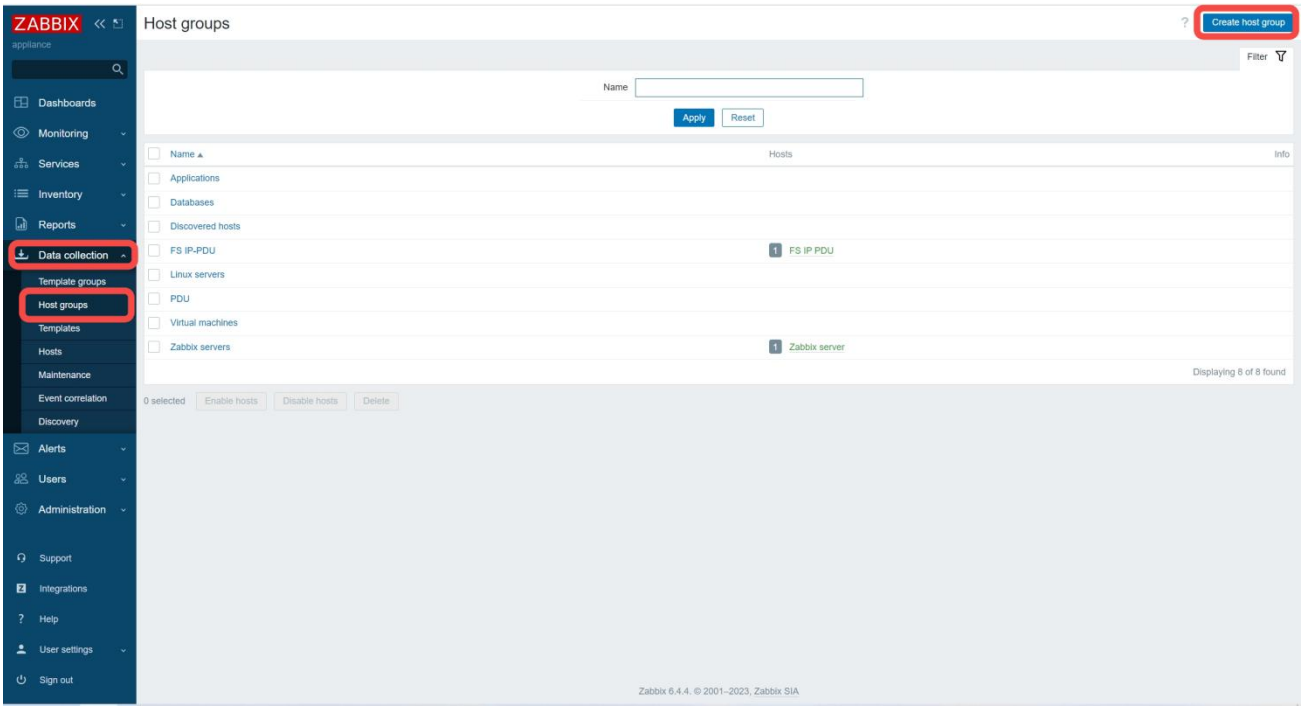


Then you can see the "FS MPDU" template that have been successfully imported in the template list after the import success is displayed.

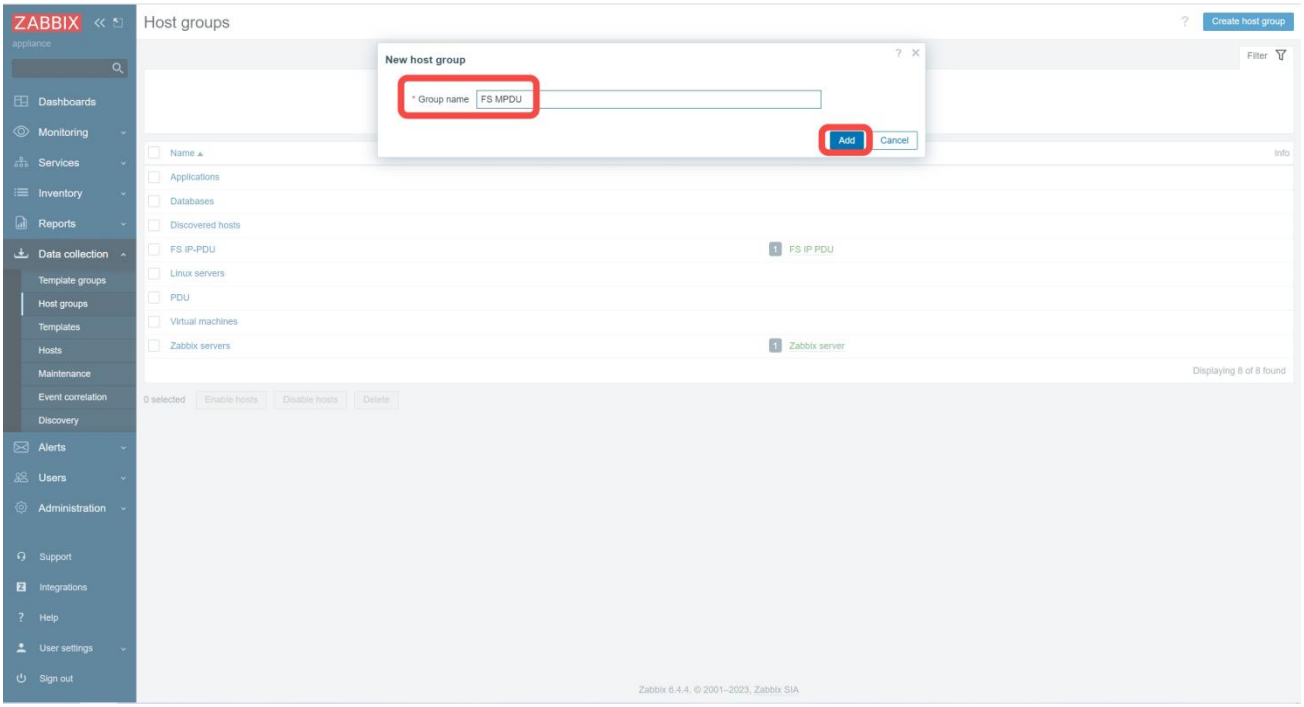


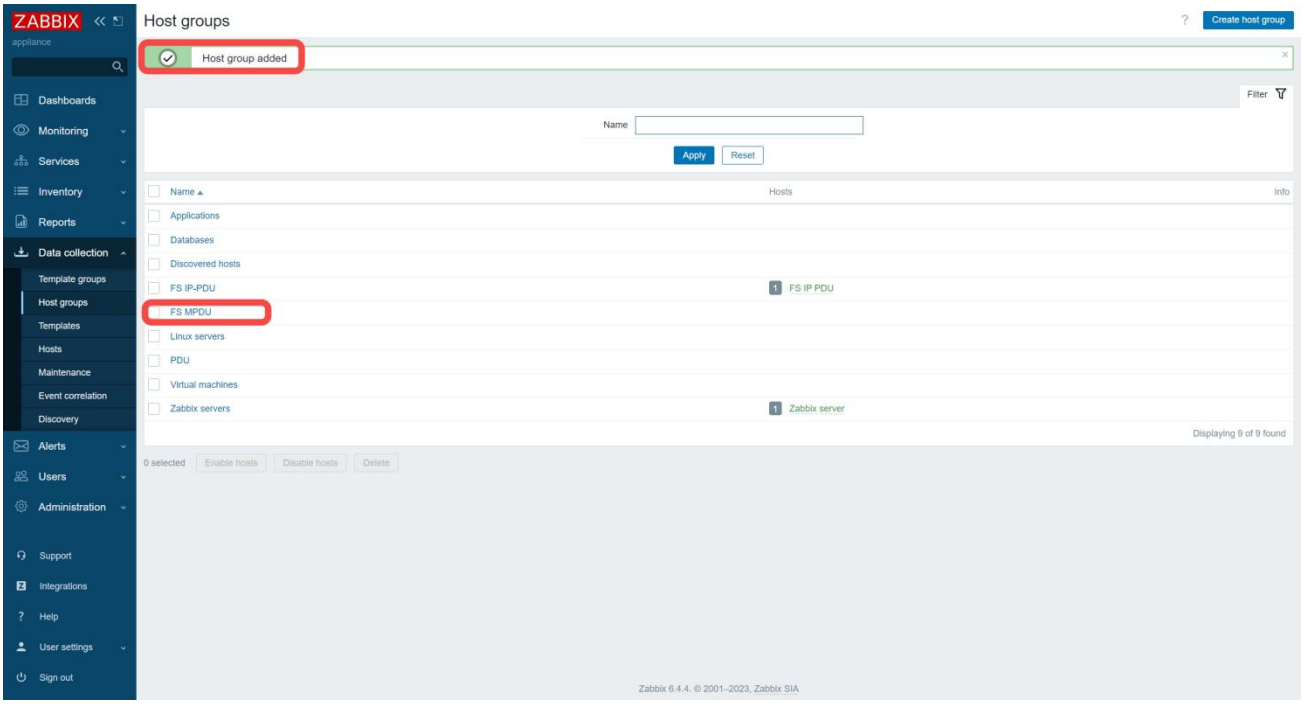
2.2.2 Create Host Groups

Step 1: Select the **host groups** and click the **Create host group** button in the upper-right corner.



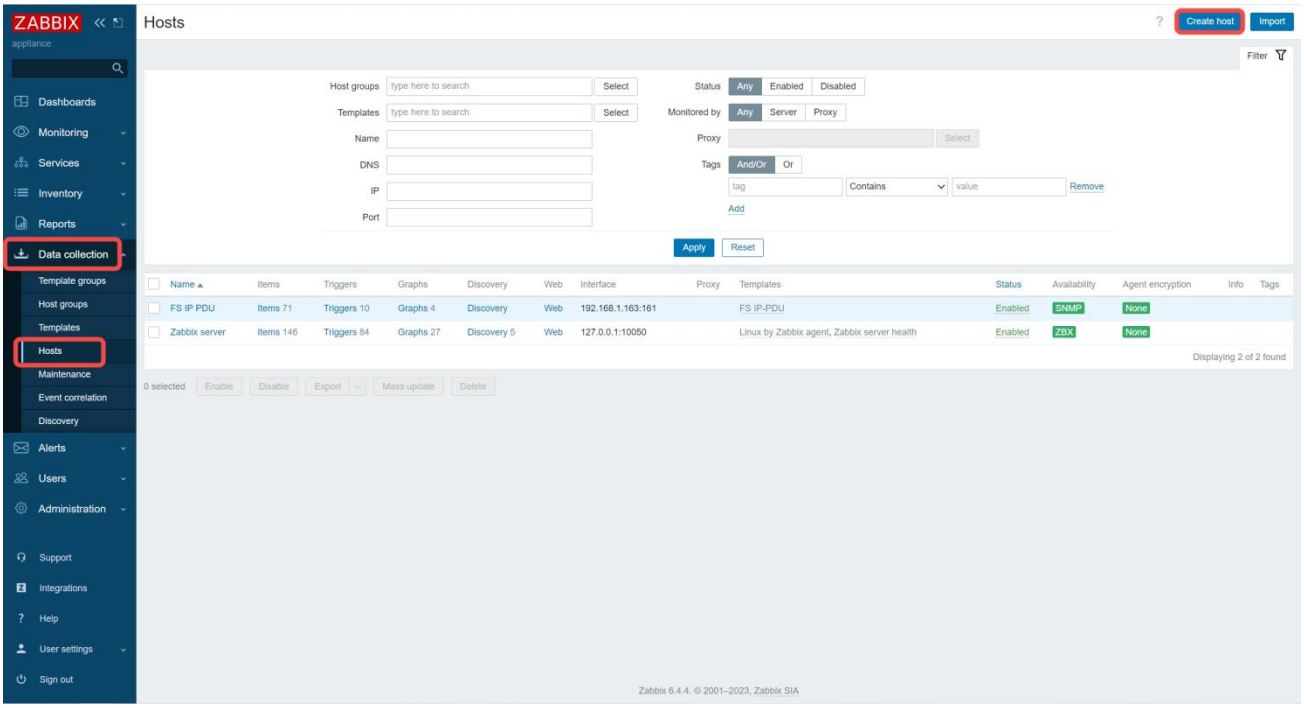
Step 2: Create a host group named 'FS MPDU' host group, then view the successfully created host group.



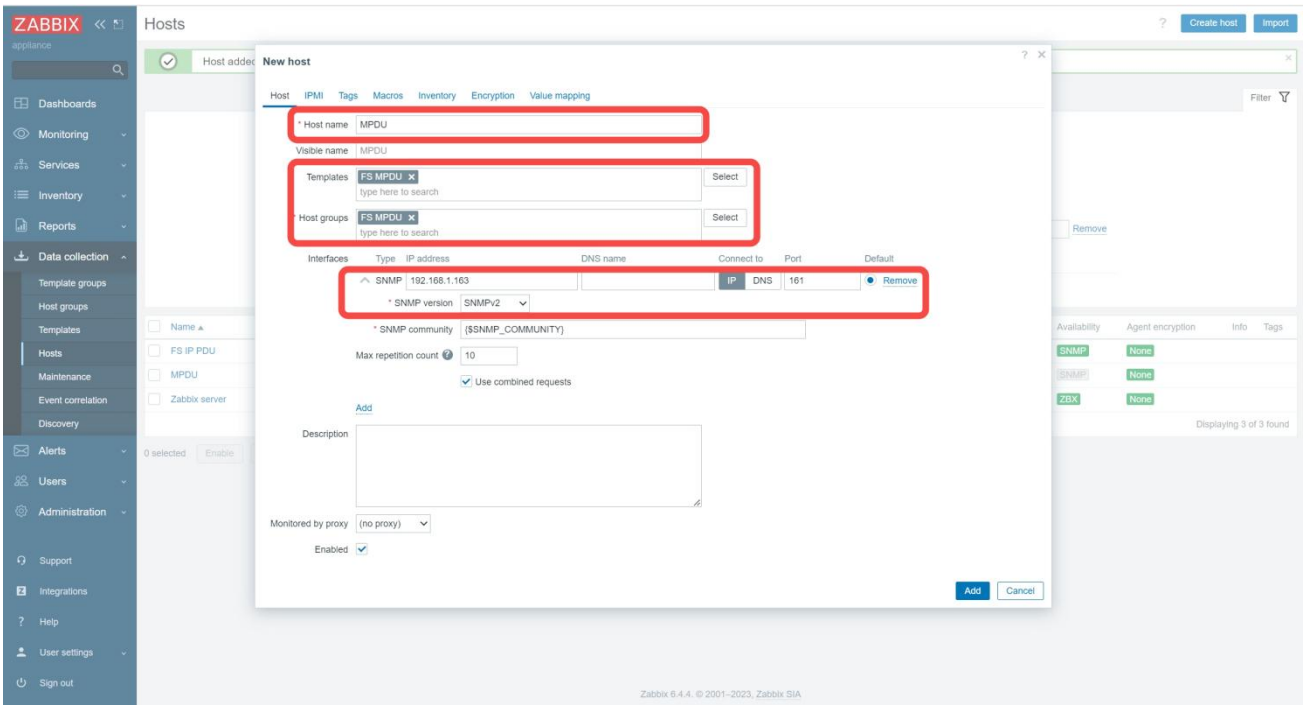


2.2.3 Create Hosts

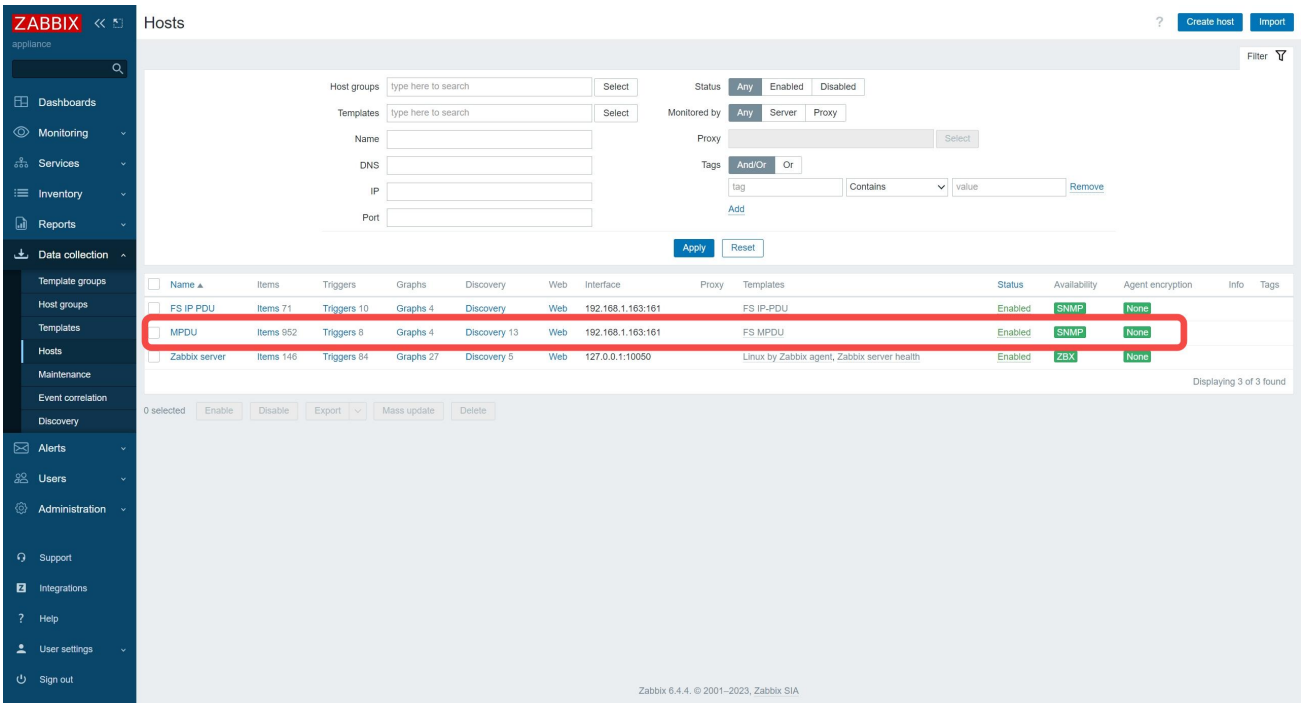
Step 1: Enter **Hosts** page under **Data collection**, click on the **Create Host** button in the upper right corner to create the host.



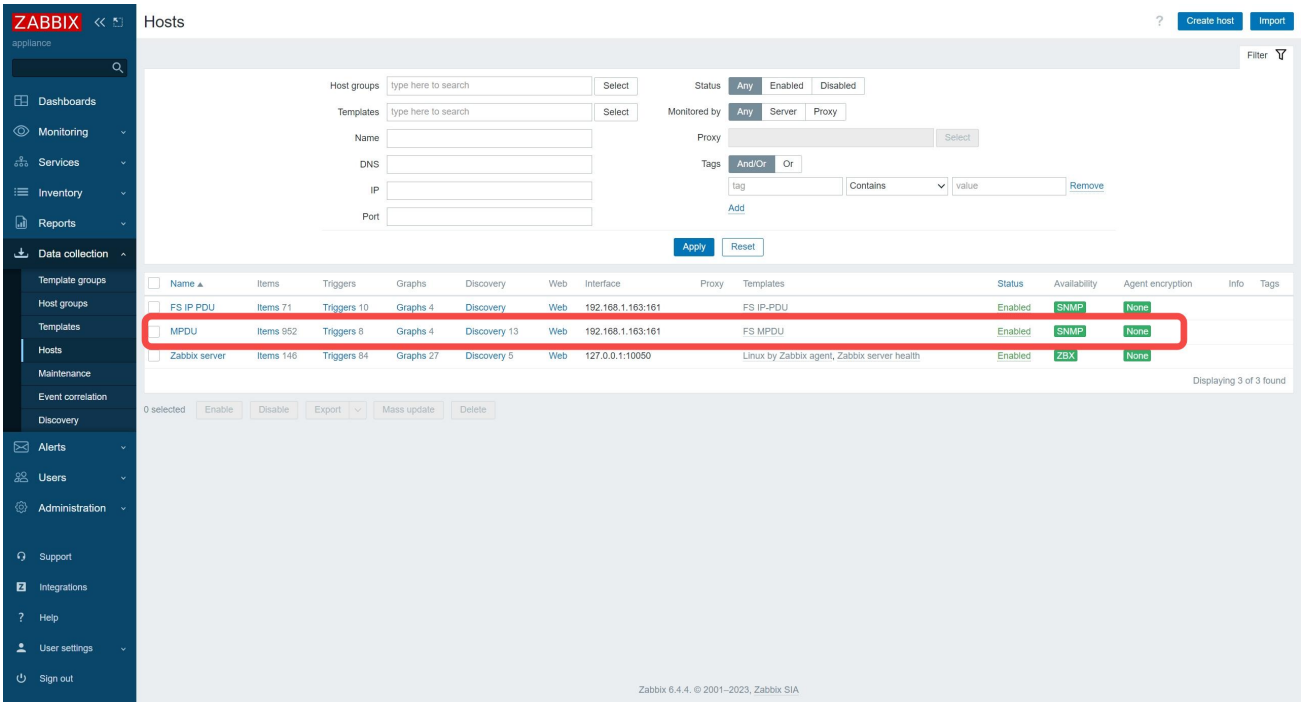
Step 2: Create a host named FS MPDU and link the "FS MPDU" Template and the "Host Group" that you can click "Select" in the box, enter the management IP address of the switch in the **SNMP** interfaces, remove the check box before Use bulk requests, and click Add.



Step 3: You can view the created hosts under the host list.

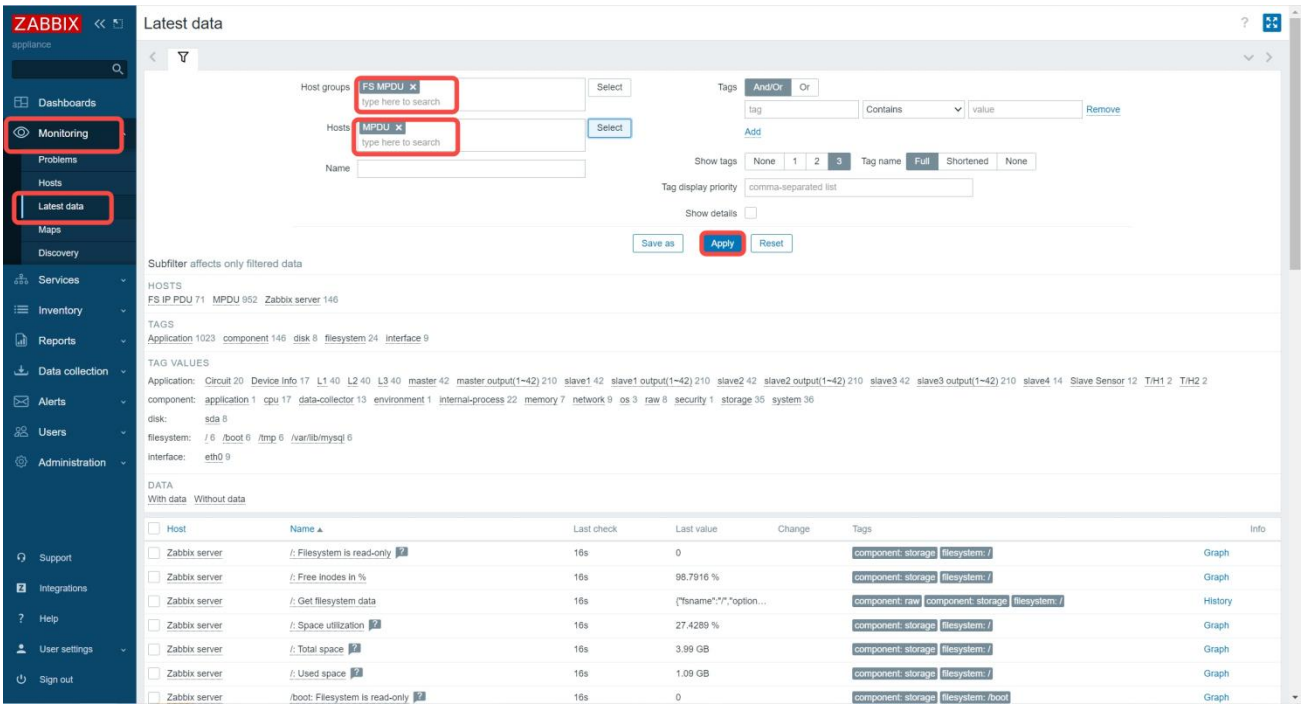


Step 4: Wait a moment and the SNMP is up, which means that the switch is connected to the zabbix.


ZABBIX
appliance
Hosts
Create host
Import
Filter
Dashboards
Monitoring
Services
Inventory
Reports
Data collection
Template groups
Host groups
Templates
Hosts
Maintenance
Event correlation
Discovery
Alerts
Users
Administration
Support
Integrations
Help
User settings
Sign out
Host groups
type here to search
Select
Templates
type here to search
Select
Name
DNS
IP
Port
Status
Any
Enabled
Disabled
Monitored by
Any
Server
Proxy
Proxy
Select
Tags
And/Or
Or
tag
Contains
value
Remove
Add
Apply
Reset
Name
Items
Triggers
Graphs
Discovery
Web
Interface
Proxy
Templates
Status
Availability
Agent encryption
Info
Tags
FS IP PDU
Items 71
Triggers 10
Graphs 4
Discovery
Web
192.168.1.163:161
FS IP-PDU
Enabled
SNMP
None
MPDU
Items 952
Triggers 8
Graphs 4
Discovery 13
Web
192.168.1.163:161
FS MPDU
Enabled
SNMP
None
Zabbix server
Items 146
Triggers 84
Graphs 27
Discovery 5
Web
127.0.0.1:10050
Linux by Zabbix agent, Zabbix server health
Enabled
ZBX
None
Displaying 3 of 3 found
0 selected
Enable
Disable
Export
Mass update
Delete
Zabbix 6.4.4. © 2001–2023, Zabbix SIA

2.2.4 Monitoring PDU Data

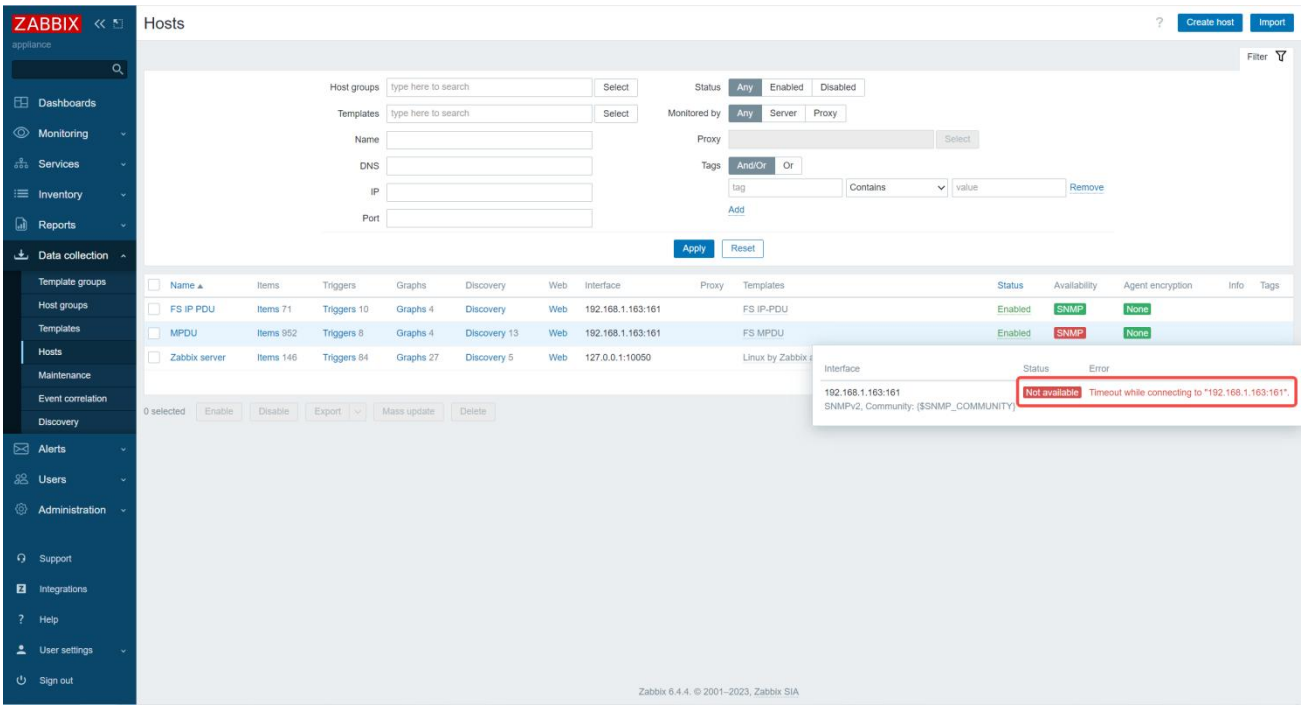
Select FS MPDU Host groups and MPDU Hosts, you can view that Zabbix has monitored the relevant information and data of the MPDU.



2.3 FAQ

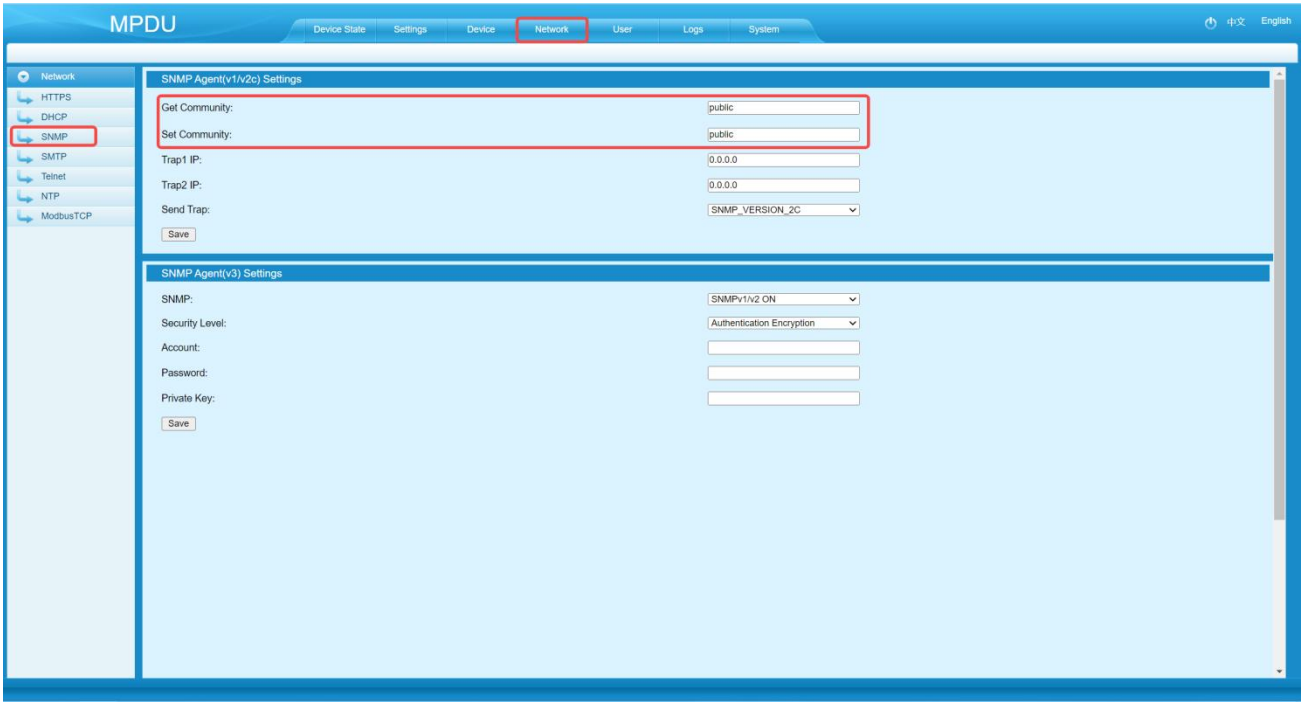
2.3.1 Monitoring Host Failed

Due to the different SNMP community of the PDU, the PDU may not be monitored and managed by Zabbix, as shown in the following figure:

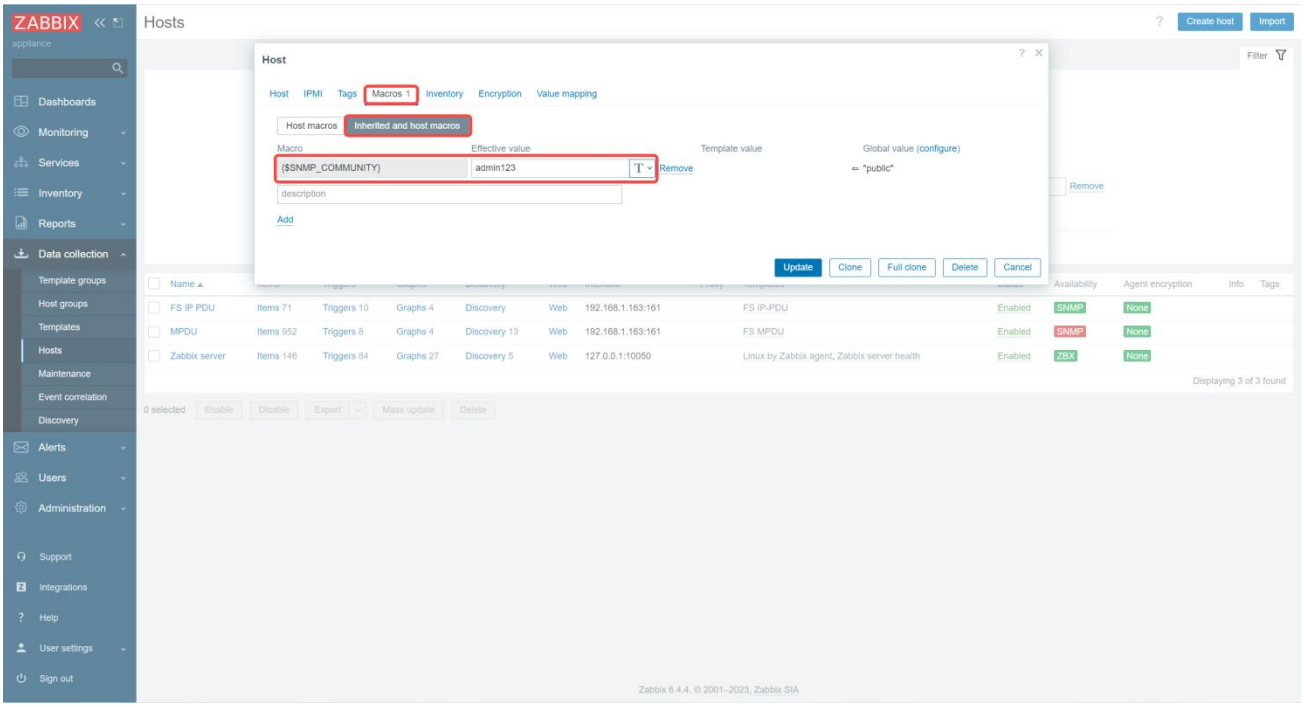


The solution is as follows:

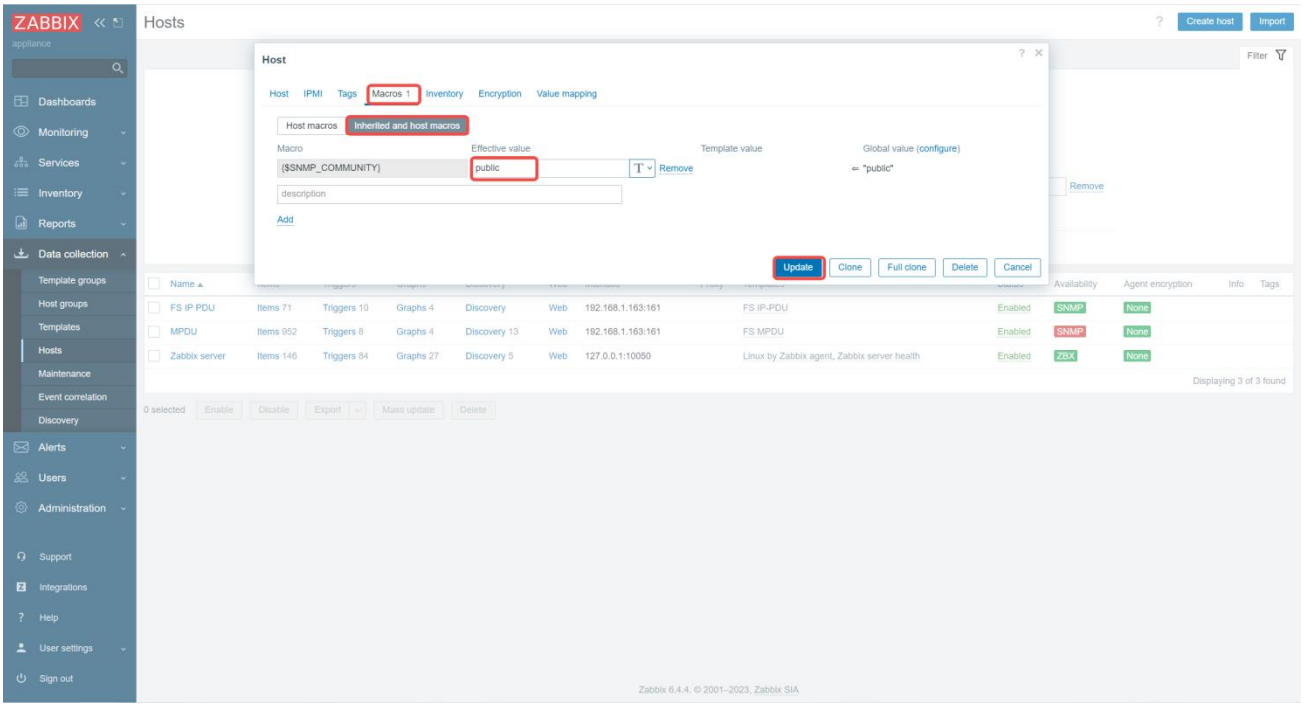
Step 1: View the community setting of MPDU.



Step 2: Check the host community in Zabbix, click "Host" ->"Macros" ->"Inherited and host macros", and discover that the community settings are different.



Step 3: Modify the host community in Zabbix and click "Update".



Step 4: Refresh the page and enable SNMP successfully