Configure Zabbix to Monitor
M Series Platforms via SNMP

Applicable Models: M6200 Series / M6500 Series / M6800 Series
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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 OTN Platform. The version of Zabbix in this document is 4.4.4 (CentOS Linux version is 7.7, Mysql version is 5.6.46), and taking M6200 template as an example to monitor the M6200-CH2U.

2. Operation Guide

2.1 Operation Steps

➢ Log in to Zabbix to import the M6200-CH2U template
➢ Create host group M6200-2U and link M6200-CH2U template
➢ Create host, link M6200-2U host group, link M6200-CH2U 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.

![Zabbix Login Interface]

Step 2: Select the “Templates” under Configuration category, and click “Import” in the upper right corner to enter the template import interface.
Step 3: Select the M6200-CH2U.xml, click the “Import” button to import it, and then you can see the M6200-CH2U templates that have been successfully imported in the template list after the import success is displayed.

⚠️ Note:
Due to the upgrade version of zabbix, the name of the public template provided by zabbix may change. The template provided by FS refers to the public template “Template Module Interfaces SNMPv2”. During the template
import process, if the import fails, it prompts that the template is not found.

The solution is as follows:

1. Search for the keyword “Interfaces SNMP” in zabbix, find the template, and record the template name;
2. Edit the template in text mode and replace “Template Module Interfaces SNMPv2” with the searched template name;
3. Save the modified template and re-import the template.

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 M6200-2U host group, then view the successfully created host group.
2.2.3 Create Hosts

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

Step 2: Create a host named M6200-2U-116, select the M6200-2U host group, 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.
2.2.4 Link Template and Host Group

Step 1: Link the M6200-2U host group in the M6200-CH2U template

Step 2: Link M6200-CH2U template under M6200-2U-116 host.

Step 3: Return to the host interface, you can view the information that has been linked to the template in the host.
2.2.5 Monitoring WDM/OTN Platform Data

Select M6200-2U Host groups and M6200-2U-116 Hosts, you can view that Zabbix has monitored the relevant information and data of the OTN Platform M6200-CH2U.

2.3 Zabbix Personalized Customization

Zabbix’s Dashboard can display visualized information and data (overview, map, chart, clock, etc.). Here we take the
creation of CPU utilization as an example.

Step 1: Click “Create dashboard” in the upper right corner to create a dashboard.

Step 2: Create a dashboard named M6200-CH2U dashboard.

Step 3: Click anywhere on the dashboard to create a component, for example named as cpu Utilization, select M6200-2U-116 host pattern, CPU item pattern of Data set, and click Create.

Step 4: View the created components and save the dashboard. And you can also configure the visualized information
in the dashboard according to personal preferences.
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