Saved: 25-May-2017 22:11

EPAM Systems, RD Dep., RD Dep.

MTN.NIX.05.Zabbix.API

REVISION HISTORY						
Ver.	Description of Change	Author	Date	Approved		
				Name	Effective Date	
1.0	Initial Version	Siarhei Beliakou	23/May/2017			

Legal Notice

This document contains privileged and/or confidential information and may not be disclosed, distributed or reproduced without the prior written permission of EPAM Systems.

Task. Zabbix API

Task:

You should develop a script (on Python 2.x) which registers given host in Zabbix.

Testing Infrastructure:

Vagrantfile to spin up 2 VMs (virtualbox):

- zabbix server, provisioned by Vagrant provisioner
- Linux VM with zabbix agent, script for registration on zabbix server, all provisioned by Vagrant provisioner

Registering Script requirements:

- Written on Python 2.x

Starts at VM startup or on provision phase

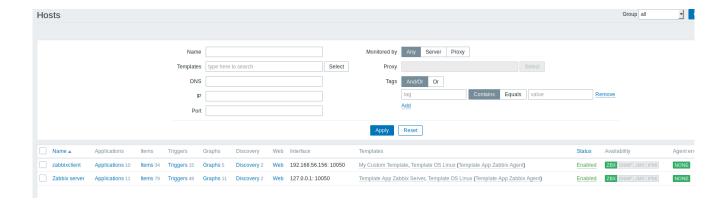
```
sudo yum install zabbix-agent -y
sudo systemctl start zabbix-server
sudo systemctl start zabbix-agent
sudo systemctl restart httpd
sudo systemctl enable zabbix-server
sudo systemctl enable zabbix-agent
sudo systemctl enable httpd

yum install zabbix-get -y

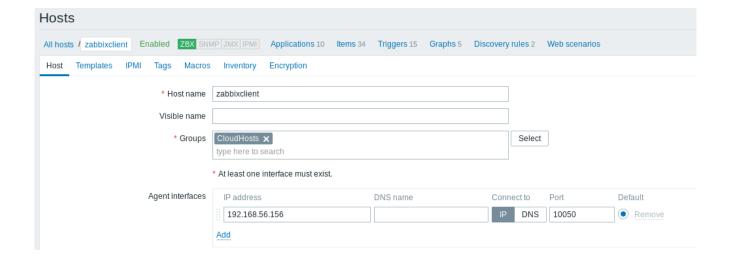
#Creating host through zabbix API
/vagrant/HostApi.sh

[root@zabbixserver vagrant]#
```

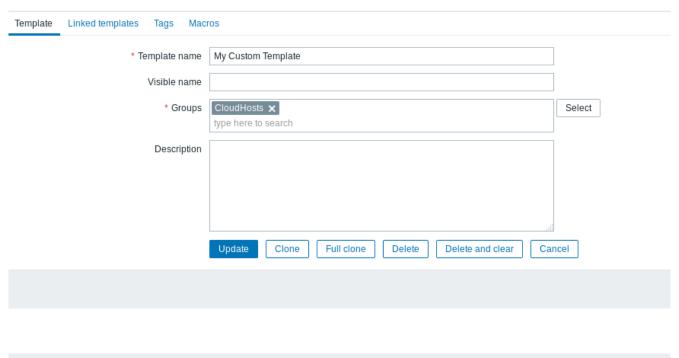
- Host registered in Zabbix server should have Name = Hostname (not IP)

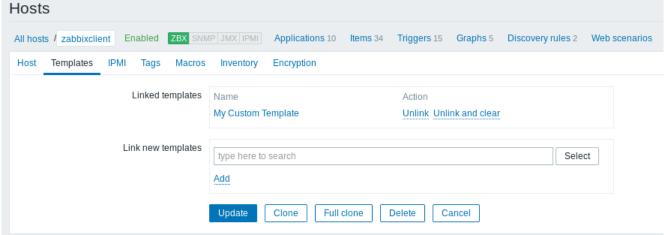


- Host registered in Zabbix server should belong to "CloudHosts" group



- Host registered in Zabbix server should be linked with Custom template





- This script should create group "CloudHosts" id it doesn't exist

