

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/201 7		

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
- 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

Name	Applications	Items	Triggers	Graphs	Discovery	Web	Interface	Templates	Status	Availability	Agent encryption	Info	Tags
Zabbix server	Applications 11	Items 79	Triggers 48	Graphs 11	Discovery 2	Web	127.0.0.1: 10050	Template App Zabbix Server, Template OS Linux (Template App Zabbix Agent)	Enabled	ZBX SNMP JMX IPMI	NONE		
zagent	Applications	Items	Triggers	Graphs	Discovery	Web	192.168.56.111: 10050	ZBX01	Enabled	ZBX SNMP JMX IPMI	NONE		

Displaying 2 of 2 found

Host Templates IPMI Tags Macros Inventory Encryption

* Host name:

Visible name:

* Groups:

* At least one interface must exist.

Agent interfaces

IP address	DNS name	Connect to	Port	Default
192.168.56.111		IP	10050	<input checked="" type="radio"/> Remove

Add

SNMP interfaces

Add

JMX interfaces

Add

For both VMs use vagrant box "sbeliakou/centos-7.3-x86_64-minimal"