

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		

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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

<input type="checkbox"/>	Name ▲	Applications	Items	Triggers	Graphs	Discovery	Web	Interface	Templates	Status	Availability	Agent encryption	Info	Tags
<input type="checkbox"/>	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		
<input type="checkbox"/>	zagent	Applications	Items	Triggers	Graphs	Discovery	Web	192.168.56.111: 10050	ZBX01	Enabled	ZBX SNMP JMX IPMI	NONE		

0 selected

Enable

Disable

Export

Mass update

Delete

Displaying 2 of 2 found

Host

Templates

IPMI

Tags

Macros

Inventory

Encryption

* Host name

zagent

Visible name

* Groups

CloudHosts ✕

Select

type here to search

* At least one interface must exist.

Agent interfaces

IP address	DNS name	Connect to	Port	Default
192.168.56.111		IP DNS	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"