

EPAM Systems, RD Dep., RD Dep.

MTN.NIX.05.Zabbix.Basics

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. Basics

Testing Infrastructure:

Vagrantfile to spin up 2 VMs (virtualbox):

- zabbix server, provisioned by Vagrant provisioner
- Zabbix agents on both VMs, provisioned by Vagrant provisioner

Configure zabbix to work on the server directly without /zabbix

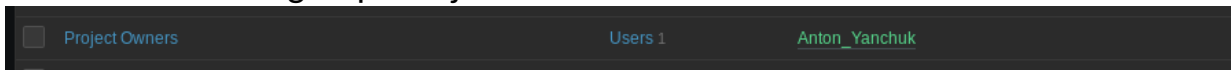
<http://zabbix-server/zabbix> -> <http://zabbix-server>

Task:

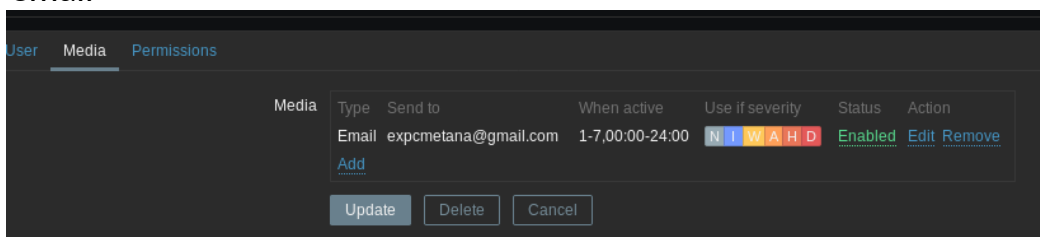
You should install and configure Zabbix server and agents.

1. Using Zabbix UI:

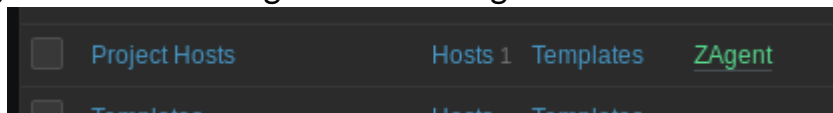
- Create User group “Project Owners”



- Create User (example “Siarhei Beliakou”), assign user to “Project Owners”, set email

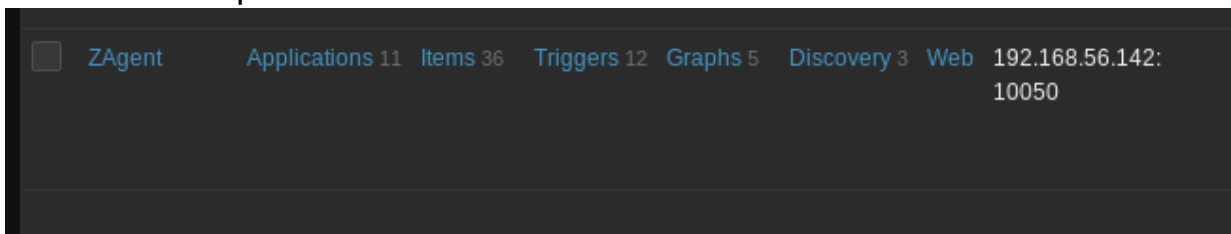


- Add 2nd VM to zabbix: create Host group (“Project Hosts”), create Host in this group, enable ZABBIX Agent monitoring



- Assign to this

host template of Linux



- Create custom checks (CPU Load, Memory load, Free space on file systems, Network load)

Host	Name	Interval	History	Trends	Type	Last check	Last value	Change	Info
ZAgent Custom counts (5 items)									
<input type="checkbox"/>	CPU LOAD ZA system.cpu.load[avg5]	10s	90d	365d	Zabbix agent	2019-10-17 16:22:17	0.01		Graph
<input type="checkbox"/>	Ethernet net.if.total[eth1]	1m	90d	365d	Zabbix agent	2019-10-17 16:21:59	1.21 Mb	+28.95 Kb	Graph
<input type="checkbox"/>	Memory active vm.memory.size[active]	10s	90d	365d	Zabbix agent	2019-10-17 16:22:21	86.86 MB	+28 KB	Graph
<input type="checkbox"/>	space tmp vfs.fs.size[tmp,free]	30s	90d	365d	Zabbix agent	2019-10-17 16:22:02	15.61 GB		Graph
<input type="checkbox"/>	Users online system.users.num	1m	90d	365d	Zabbix agent	2019-10-17 16:22:00	1		Graph

- Create trigger with Severity HIGH, check if it works (Problem/Recovery)
- Create Action to inform “Project Owners” if HIGH triggers happen

кому: я ▼

английский ▼ > русский ▼ [Перевести сообщение](#)

Problem started at 20:40:10 on 2019.10.17
 Problem name: Smb on the server
 Host: ZAgent
 Severity: High

Original problem ID: 122

Time	User/Recipient	Action	Message/Command	Status	Info
2019-10-17 16:47:13	Admin (Zabbix Administrator)		Email	Sent	
2019-10-17 16:47:13	Anton_Yanchuk		Email	Sent	
2019-10-17 16:47:10					

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

2. Using Zabbix UI:

<input type="checkbox"/> Name ▲	Hosts	Templates	Members
<input type="checkbox"/> Discovered hosts	Hosts 1	Templates	192.168.56.142
<input type="checkbox"/> Hypervisors	Hosts	Templates	
<input type="checkbox"/> Linux servers	Hosts 1	Templates	192.168.56.142
<input type="checkbox"/> Project Hosts	Hosts	Templates	

- Configure “Network discovery” so that, 2nd VM will be joined to Zabbix (group “Project Hosts”, Template “Template OS Linux”)

<input type="checkbox"/> Name ▲	Conditions	Operations	Status
<input type="checkbox"/> Auto discovery Linux servers	Discovery status equals Up Service port equals 10050 Service type equals Zabbix agent Host IP equals 192.168.56.1-254	Add host Add to host groups: Linux servers Link to templates: Template OS Linux by Zabbix agent Enable host	Enabled

Displaying 1 of 1 found

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