

Install zabbix server and add clients to it

<input type="checkbox"/>	Name ▲	Applications	Items	Triggers	Graphs	Discovery	Web	Interface	Templates	Status	Availability	Agent encryption
<input type="checkbox"/>	pdv-zabclnt	Applications 10	Items 32	Triggers 15	Graphs 5	Discovery 2	Web	192.168.56.203:10050	Template OS Linux (Template App Zabbix Agent)	Enabled	ZBX SNMP JMX IPMI	NONE

Displaying 1 of 1 found

Dashboard	Problems	Overview	Web	Latest data
Global view				
All dashboards / Global view				
System information				
Parameter	Value	Details		
Zabbix server is running	Yes	pdv-zabserv:10051		
Number of hosts (enabled/disabled/templates)	83	2 / 0 / 81		
Number of items (enabled/disabled/not supported)	120	114 / 0 / 6		
Number of triggers (enabled/disabled)	65	65 / 0 [0 / 65]		

Add mail to user (later was changed to d1amondiks@gmail.com)

Media	Type	Send to	When active	Use if severity	Status	Action
	Email	Dzmitry_Prusevich@epam.com	1-7,00:00-24:00	N I W A H D	Enabled	Edit Remove
Add						

UserMediaPermissions

* Alias

DPrusevich

Name

Dzmitry

Surname

Prusevich

* Groups

Project Owners X

type here to search

Select

create user group Project owners and add myself to it

* Host name

Visible name

* Groups

Project Hosts X

type here to search

Select

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

Media

Type	Send to	When active	Use if severity	Status	Action
Email	dzmitry.prusevich@gmail.com	1-7,00:00-24:00	N I W A H D	Enabled	Edit Remove

[Add](#)

Update

Delete

Cancel

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

Items

All hosts / pdv-zabclnt Enabled ZBX SNMP JMX IPMI Applications 10 Items 50 Triggers 19 Graphs 9 Discovery rules 2 Web scenarios

Item Preprocessing

* Name

Type

Zabbix agent

* Key

Select

* Host interface

192.168.56.203 : 10050

Type of information

Numeric (unsigned)

Units

* Update interval

30s

Custom intervals

Type	Interval	Period	Action
Flexible	Scheduling	50s	1-7,00:00-24:00 Remove

* Name

Type

* Key [Select](#)

* Host interface

Type of information

Units

* Update interval

Custom intervals

Type	Interval	Period	Action
<input checked="" type="checkbox"/> Flexible	<input type="text" value="Scheduling"/>	<input type="text" value="50s"/>	<input type="text" value="1-7,00:00-24:00"/> Remove

[Action](#) [Operations](#) [Recovery operations](#) [Update operations](#)

* Default operation step duration

Default subject

Default message

Pause operations for suppressed problems ☒

Operations	Steps	Details	Start in	Duration	Action
1	Send message to users: DPrusevich (Dzmitry Prusevich) via all media	Immediately	Default	Edit	Remove
	Send message to user groups: Project Owners via all media				
	Add				

* History storage period

Show value [show value mappings](#)

New application

- Applications
- None-
 - CPU
 - Filesystems
 - General
 - Memory
 - Network interfaces
 - OS
 - Performance
 - Processes
 - Security

Populates host inventory field

Description

Enabled ☒

[Update](#) [Clone](#) [Check now](#) [Clear history and trends](#) [Delete](#) [Cancel](#)

DashboardProblemsOverviewWebLatest dataGraphsScreensMapsDiscoveryServices

Latest data

Host groupsProject Hosts X
type here to search

Hosts
type here to search

Applicationmy_check

Select

Select

Select

Name

Show items without data

Show details

Apply

Reset

Filter

<input type="checkbox"/> Host	Name	Last check	Last value	Change
<input checked="" type="checkbox"/> pdv-zabcint	my_check (4 Items)			
<input type="checkbox"/>	CPU Load	2019-10-18 00:58:36	0	Graph
<input type="checkbox"/>	Free space on file systems	2019-10-18 00:58:38	8.078801	History
<input type="checkbox"/>	Memory load	2019-10-18 00:58:37	53.415241	History
<input type="checkbox"/>	Network load	2019-10-18 00:58:39	14874945	+14913 Graph

ITEMS

All hosts / pdv-zabcint Enabled ZBXSNMPJMXIPMI Applications 10 Items 50 Triggers 19 Graphs 9 Discovery rules 2 Web scenarios

Item Preprocessing

* Name

Memory load

Type

Zabbix agent

* Key

vm.memory.size[pused]

Select

* Host interface

192.168.56.203 : 10050

Type of information

Character

* Update interval

30s

Custom intervals

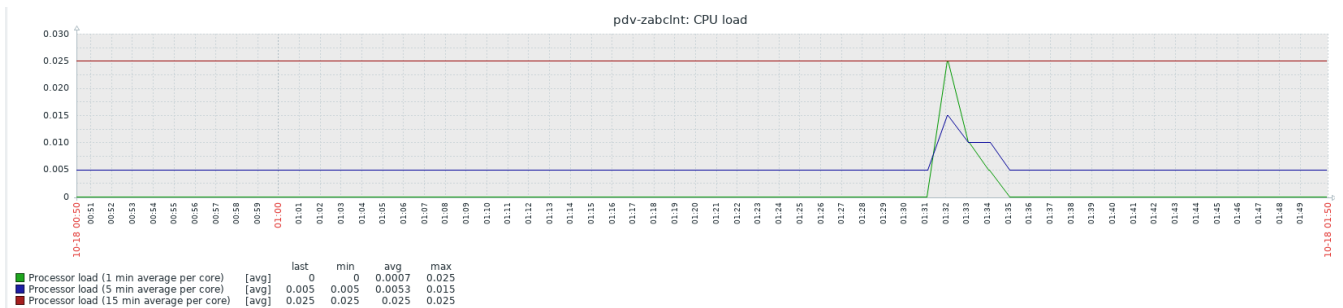
Type	Interval	Period	Action
<input checked="" type="checkbox"/> Flexible	<input type="text" value="Scheduling"/>	<input type="text" value="50s"/>	<input type="text" value="1-7,00:00-24:00"/>

[Add](#)

[Remove](#)

* History storage period

90d



Items

All hosts / pdv-zabcnt Enabled **ZBX** SNMP JMX IPMI Applications 10 Items 50 Triggers 19 Graphs 9 Discovery rules 2 Web scenarios

Item Preprocessing

* Name

Type

* Key

* Host interface

Type of information

Units

* Update interval

Custom intervals

Type	Interval	Period	Action
<input checked="" type="checkbox"/> Flexible <input type="checkbox"/> Scheduling	<input type="text" value="50s"/>	<input type="text" value="1-7,00:00-24:00"/>	Remove

[Add](#)

* History storage period

* Trend storage period

- Create trigger with Severity HIGH, check if it works (Problem/Recovery)

ZABBIX Monitoring Inventory Reports Configuration Administration

Dashboard Problems Overview Web Latest data Graphs Screens Maps Discovery Services

Overview Group: all Type: Triggers Hosts location: Top

Filter

Show: ☒ Recent problems ☐ Problems ☐ Any

Acknowledge status:

Minimum trigger severity:

Age less than: ☐ 14 days

Name:

Application:

Host inventory:

Show suppressed problems: ☐

Triggers

Memory load

pdv-zabcnt

High PROBLEM Memory load {pdv-zabcnt:vm.memory.size[pused].last(1)}>1 Enabled



Warning OK Template: CPU usage: Processor load is too high on RHEL7-EL7 {pdv-zabcnt:vm.memory.size[pused].last(1)}>50 Enabled

Triggers

Memory load

pdv-zabcnt

High OK Memory load {pdv-zabcnt:vm.memory.size[pused].last(1)}>60 Enabled

Problems								...
Time ▾	Info	Host	Problem • Severity	Duration	Ack	Actions	Tags	
01:22:38		pdv-zabcint	Disk usage is HIGH	39s	No	 1		
01:22:37		pdv-zabcint	Memory load	40s	No	1		

Create Action to inform “Project Owners” if HIGH triggers happen

Actions

Action

Operations

Recovery operations

Update operations

Default subject

Resolved: {EVENT.NAME}

Default message

Problem has been resolved at {EVENT.RECOVERY.TIME} on {EVENT.RECOVERY.DATE}
Problem name: {EVENT.NAME}
Host: {HOST.NAME}
Severity: {EVENT.SEVERITY}
Original problem ID: {EVENT.ID}

Operations

Details

Action

Operation details

Operation type

Send message

* At least one user or user group must be selected.

Send to User groups

User group

Project Owners

Add

Action

Remove

Send to Users

User

DPrusevich (Dzmitry Prusevich)

Add

Action

Remove

Send only to

- All -

Default message

☒

Add

Cancel

* At least one operation, recovery operation or update operation must exist.

Update

Clone

Delete

Cancel

Action
Operations
Recovery operations
Update operations

Default subject
Resolved: {EVENT.NAME}

Default message
Problem has been resolved at {EVENT.RECOVERY.TIME} on {EVENT.RECOVERY.DATE}
Problem name: {EVENT.NAME}
Host: {HOST.NAME}
Severity: {EVENT.SEVERITY}

Original problem ID: {EVENT.ID}

Operations





Details

Send message to users: DPrusevich (Dzmitry Prusevich) via all media
Send message to user groups: Project Owners via all media
New

Action
Edit
Remove

* At least one operation, recovery operation or update operation must exist.

Update
Clone
Delete
Cancel

<input type="checkbox"/>	<input type="star"/>	<input type="arrow"/>	dzmitry.prusevich	Resolved: Disk usage is HIGH - Problem has been resolved at 22:31:38 on 2019.10.17 Problem name: Disk usage is HIGH Host: pdv-zabcInt Severity: High Original problem ID...	1:31 AM
<input type="checkbox"/>	<input type="star"/>	<input type="arrow"/>	dzmitry.prusevich	Resolved: Memory load - Problem has been resolved at 22:31:37 on 2019.10.17 Problem name: Memory load Host: pdv-zabcInt Severity: High Original problem ID: 92	   

2. Using Zabbix UI:

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

Actions

Action
Operations

* Name
Auto discovery. Linux servers.

Type of calculation
And/Or
A and B and C

Conditions

Label	Name	Action
A	Discovery status equals Up	Remove
B	Service type equals Zabbix agent	Remove
C	Host IP equals 192.168.56.200-205	Remove

New condition

Host IP
equals
192.168.0.1-127,192.168.2.1

Add

Enabled
☒

* At least one operation must exist.

Update
Clone
Delete
Cancel

Action

Operations

Default subject

Default message

Operations

Details

Add to host groups: Project Hosts

Link to templates: Template OS Linux

New

Action

[Edit](#) [Remove](#)

[Edit](#) [Remove](#)

* At least one operation must exist.

Update

Clone

Delete

Cancel

ZABBIX

MonitoringInventoryReportsConfigurationAdministration

Host groupsTemplatesHostsMaintenanceActionsEvent correlationDiscoveryServices

Hosts

Name

Monitored by

AnyServerProxy

DNS

IP

Port

Apply

Reset

Name

Applications

Items

Triggers

Graphs

Discovery

Web

Interface

Templates

Status

Availability

No data found.

Host groupsTemplatesHostsMaintenanceActionsEvent correlationDiscoveryServices

Hosts

Groupall

Create host

Import

Name

Monitored by

AnyServerProxy

DNS

IP

Port

Apply

Reset

Name

Applications

Items

Triggers

Graphs

Discovery

Web

Interface

Templates

Status

Availability

Agent encryption

Info

pdv-zabcmr

Applications 10

Items 46

Triggers 19

Graphs 9

Discovery 2

Web

192.168.56.203: 10050

Template OS Linux (Template App Zabbix Agent)

Enabled

zbxSNMPJMX(JPM)

NONE

Displaying 1 of 1 found

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