



- Welcome
- Check of pre-requisites
- Configure DB connection
- Zabbix server details
- Pre-installation summary
- Install

Check of pre-requisites

	Current value	Required	
PHP version	7.2.17	5.4.0	OK
PHP option "memory_limit"	128M	128M	OK
PHP option "post_max_size"	16M	16M	OK
PHP option "upload_max_filesize"	2M	2M	OK
PHP option "max_execution_time"	300	300	OK
PHP option "max_input_time"	300	300	OK
PHP option "date.timezone"	Europe/Minsk		OK
PHP databases support	MySQL		OK
PHP bcmath	on		OK
PHP mbstring	on		OK

Back

Next step



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Configure DB connection

Please create database manually, and set the configuration parameters for connection to this database. Press "Next step" button when done.

Database type

Database host

Database port 0 - use default port

Database name

User

Password



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Configure DB connection

Please create database manually, and set the configuration parameters for connection to this database. Press "Next step" button when done.

Database type

MySQL

Database host

localhost

Database port

0

0 - use default port

Database name

zabbix

User

zabbix

Password

•••••



Welcome

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Zabbix server details

Please enter the host name or host IP address and port number of the Zabbix server, as well as the name of the installation (optional).

Host

Port

Name

User groups

[User group](#)[Permissions](#)[Tag filter](#)

* Group name

Users

Frontend access

Enabled



Debug mode



Media



Type

* Send to

[Remove](#)

[Add](#)

* When active

Use if severity ☒ Not classified

☒ Information

☒ Warning

☒ Average

☒ High

☒ Disaster

Enabled ☒

Add

Cancel

Users

User Media Permissions

* Alias

Name

Surname

* Groups
type here to search

* Password

* Password (once again)

Password is not mandatory for non internal authentication type.

Language

Theme

Auto-login ☐

Auto-logout ☐

* Refresh

* Rows per page

URL (after login)

Add

Cancel

Host groups

* Group name

* Host name

Visible name

* Groups

Project Hosts ×

type here to search

Select

* At least one interface must exist.

Agent interfaces

IP address	DNS name	Connect to	Port	Default
<div><div></div><div>192.168.55.55</div></div>	<input type="text"/>	<div>IP</div> <div>DNS</div>	<input type="text" value="10050"/>	<div><input checked="" type="radio"/> Remove</div>
<div>Add</div>				

SNMP interfaces

[Add](#)

JMX interfaces

[Add](#)

IPMI interfaces

[Add](#)

Description

<input type="checkbox"/>	Name ▲	Applications	Items	Triggers	Graphs	Discovery	Web	Interface	Templates	Status	Availability	Agent encryption	Info
<input type="checkbox"/>	Test Server	Applications 10	Items 34	Triggers 15	Graphs 5	Discovery 2	Web	192.168.55.55: 10050	Template OS Linux (Template App Zabbix Agent)	Enabled	ZBXSNMPJMXIPMI	NONE	
<input type="checkbox"/>	Zabbix server	Applications 11	Items 76	Triggers 46	Graphs 11	Discovery 2	Web	127.0.0.1: 10050	Template App Zabbix Server, Template OS Linux (Template App Zabbix Agent)	Enabled	ZBXSNMPJMXIPMI	NONE	

* Name

Memoy load is too high

Severity

Not classified

Information

Warning

Average

High

Disaster

* Expression

{Test Server:vm.memory.size[available].avg(180)}>300

Add

[Expression constructor](#)

* Name

CPU load is too high

Severity

Not classified

Information

Warning

Average

High

Disaster

* Expression

{Test Server:system.cpu.load[percpu,avg1].avg(180)}>1

Add

[Expression constructor](#)

Condition



* Item

Test Server: Total memory

Select

Function

avg() - Average value of a period T

* Last of (T)

180

Time

Time shift

Time

* Result

<

30

Insert

Cancel

<input type="checkbox"/>	Warning	OK	Template OS Linux: Lack of free swap space on {HOST.NAME}	{Test Server:system.swap.size[,pfree].last(0)}<50	Enabled
<input type="checkbox"/>	High	PROBLEM	Memoy load is too high	{Test Server:vm.memory.size[total].avg(180)}<30	Enabled
<input type="checkbox"/>					

* Name

Type

* SMTP server

SMTP server port

* SMTP helo

* SMTP email

Connection security ☐ None ☐ STARTTLS ☒ SSL/TLS

SSL verify peer ☒

SSL verify host ☒

Authentication ☐ None ☒ Username and password

Username

Password

Enabled ☒

* Name Report HIGH problem

Type of calculation And/Or A or B

Conditions

Label	Name	Action
A	Trigger severity equals <i>High</i>	Remove
B	Trigger severity equals <i>Disaster</i>	Remove

New condition

Trigger severity equals Not classified

[Add](#)

Enabled ☒

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

Add

Cancel

* Default operation step duration

Default subject

Default message

Problem started at {EVENT.TIME} on {EVENT.DATE}

Problem name: {EVENT.NAME}

Host: {HOST.NAME}

Severity: {EVENT.SEVERITY}

Original problem ID: {EVENT.ID}

{TRIGGER.URL}

Pause operations for suppressed problems ☐

Operations

Steps	Details	Start in	Duration	Action
-------	---------	----------	----------	--------

Operation details

Steps

- (0 - infinitely)

Step duration

(0 - use action default)

Operation type

Send message

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

Send to User groups

User group	Action
Project Owners	Remove
Add	

Send to Users

User	Action
akuzn (Aleksandra Kuznetsva)	Remove
Add	

Send only to

Google_Email

Default message

☒

Conditions

Label	Name	Action
New		

[Add](#)

[Cancel](#)

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

[Apply](#)[Reset](#)

<input type="checkbox"/> Name ▲	Conditions	Operations	Status
<input type="checkbox"/> Report HIGH problem	Trigger severity equals <i>Disaster</i> Trigger severity equals <i>High</i>	Send message to users: akuzn (Aleksandra Kuznetsva) via Google_Email Send message to user groups: Project Owners via Google_Email	<u>Enabled</u>
<input type="checkbox"/> Report problems to Zabbix administrators		Send message to user groups: Zabbix administrators via all media	<u>Disabled</u>

Displaying 2 of 2 found



Починим Любой Компьютер за 2 часа!

Срочный ремонт от 9р! Обращаясь сегодня Вы получаете бесплатный бонус. Торопитесь!

[Реклама](#)



Problem: Memoy load is too high 2

alex_bethesd@mail.ru 🔍

Кому: mosyakrant@gmail.com, alex_bethesd@mail.ru

сегодня, 21:00



[Добавить категорию письма](#)

Problem started at 18:00:48 on 2019.06.27

Problem name: Memoy load is too high 2

Host: Test Server


Severity: High

Original problem ID: 44

Original problem ID: 44

2019-06-27 21:00:50	Report HIGH problem 1	Email	Admin (Zabbix Administrator) <i>mosyakrant@gmail.com</i> <i>alex_bethesd@mail.ru</i>	Subject: PROBLEM:Memoy load is too high 2 Message: Problem started at 18:00:48 on 2019.06.27 Problem name: Memoy load is too high 2 Host: Test Server Severity: High Original problem ID: 44	Sent
---------------------	-----------------------	-------	--------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------

<input type="checkbox"/> Name	Conditions	Operations	Status ▲
<input type="checkbox"/> Auto discovery. Linux servers.	Received value contains <i>Linux</i> Discovery status equals <i>Up</i> Service type equals <i>Zabbix agent</i>	Add to host groups: Linux servers Link to templates: Template OS Linux	Enabled
<input type="checkbox"/> Remote Lost Servers	Discovery status equals <i>Down</i>	Add to host groups: Project Hosts Link to templates: Template OS Linux	Enabled
Displaying 2 of 2 found			

<input type="checkbox"/> Name	Conditions	Operations	Status 
<input type="checkbox"/> Active Agent Registration	Host metadata contains <i>Linux</i> Host name contains <i>agentserver</i>	Add to host groups: Project Hosts Link to templates: Template OS Linux	Enabled
Displaying 1 of 1 found			

* Name

Local network

Discovery by proxy

No proxy

* IP range

192.168.55.1-254

* Update interval

60

* Checks

Zabbix agent "system.uname"

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

[New](#)

Device uniqueness criteria

☒ IP address

☐ Zabbix agent "system.uname"

Enabled



Update

Clone

Delete

Cancel

ServerActive=192.168.55.55

Option: Hostname

- # Unique, case sensitive hostname.
- # Required for active checks and must match hostname as configured on the server.
- # Value is acquired from HostnameItem if undefined.
- #
- # Mandatory: no
- # Default:
- # Hostname=

Hostname=Tomcat

Option: HostnameItem

- # Item used for generating Hostname if it is undefined. Ignored if Hostname is defined.
- # Does not support UserParameters or aliases.
- #
- # Mandatory: no
- # Default:
- # HostnameItem=system.hostname

Option: HostMetadata

- # Optional parameter that defines host metadata.
- # Host metadata is used at host auto-registration process.
- # An agent will issue an error and not start if the value is over limit of 255 characters.
- # If not defined, value will be acquired from HostMetadataItem.
- #
- # Mandatory: no
- # Range: 0-255 characters
- # Default:

HostMetadata=system.uname

* Name

test_item

Type

Zabbix trapper

* Key

test_item

Select

Type of information

Numeric (float)

```
[root@agentserver vagrant]# zabbix_sender -vv -z 192.168.55.56 -s 192.168.55.55 -k test_item -o 556
zabbix_sender [16802]: DEBUG: answer [{"response": "success", "info": "processed: 1; failed: 0; total: 1; seconds spent: 0.000093"}]
info from server: "processed: 1; failed: 0; total: 1; seconds spent: 0.000093"
sent: 1; skipped: 0; total: 1
[root@agentserver vagrant]#
```

```
[root@zserver vagrant]# zabbix_get -s 192.168.55.55 -p 10050 -k 'system.swap.size[,free]'
```

```
2147479552
```