1-2 Server + Agent configured:

Name ▲	Interface	Availability	Tags	Problems	Status	Latest data	Problems	Graphs	Screens	Web
Zabbix agent	10.1.2.11: 10050	ZBX SNMP JMX IPMI			Enabled	Latest data	Problems	Graphs 8	Screens 2	Web
Zabbix server	127.0.0.1: 10050	ZBX SNMP JMX IPMI			Enabled	Latest data	Problems	Graphs 19	Screens 3	Web

Displaying 2 of 2 found

3. Host with Linux template added manually:

	Name ▲	Applications	Items	Triggers	Graphs	Discovery	Web	Interface	Proxy	Templates	Status	Availability	Agent encryption	Info	Tags
	Zabbix agent	Applications 11	Items 42	Triggers 14	Graphs 8	Discovery 3	Web	10.1.2.11: 10050		Template OS Linux by Zabbix agent, Template Module Linux block devices by Zabbix agent, Template Module Linux CPU by Zabbix agent, Template Module Linux filesystems by Zabbix agent, Template Module Linux generic by Zabbix agent, Template Module Linux memory by Zabbix agent, Template Module Linux network interfaces by Zabbix agent, Template Module Zabbix agent)	Enabled	ZBX SNMP JMX IPMI	NONE		

ищено | 104.197.191.228/zabbix/zabbix.php?action=latest.view&filter_hostids%5B%5D=10330&filter_set=1

K Tools 🔵 (1) Facebook 🆚 Новости 🌐 Входящие - xafony... ❎ Интернет-Банк ❎ Выписки и оборот... 🇹 Текстовое хранили... Ⓜ Gmail 🛡 Pronounciation 🐘 Evernote »

Latest data

	Host groups	type here to search	Select		Name	
	Hosts	Zabbix agent ✕ / type here to search	Select		Show items without data	☐
	Application		Select		Show details	☐

Apply   Reset

	Host ▲	Name	Last check	Last value	Change
▼	Zabbix agent	CPU (17 Items)			
☐		Context switches per second	2020-09-14 18:14:32	39.9919	+0.8579
☐		CPU guest nice time ?	2020-09-14 18:14:34	0 %	
☐		CPU guest time ?	2020-09-14 18:14:33	0 %	
☐		CPU idle time ?	2020-09-14 18:14:35	99.9166 %	+0.01664 %
☐		CPU interrupt time ?	2020-09-14 18:14:36	0 %	
☐		CPU iowait time ?	2020-09-14 18:14:37	0 %	
☐		CPU nice time ?	2020-09-14 18:14:38	0 %	
☐		CPU softirq time ?	2020-09-14 18:14:39	0 %	-0.01667 %
☐		CPU steal time ?	2020-09-14 18:14:40	0 %	
☐		CPU system time ?	2020-09-14 18:14:41	0.05001 %	+0.000008 %

4-5. Email-server configured ant tested:

пн 14.09.2020 19:52

Enafonya@yandex.ru

Problem: Unavailable by ICMP ping

Кому   Alexey Afanasenko

Мы удалили дополнительные разрывы строк в сообщении.

Problem started at 16:52:08 on 2020.09.14 Problem name: Unavailable by ICMP ping
Host: test
Severity: High
Operational data: Down (0)
Original problem ID: 39

пн 14.09.2020 21:30

Enafonya@yandex.ru

Problem: Zabbix discoverer processes more than 75% busy

Кому   Alexey Afanasenko

Мы удалили дополнительные разрывы строк в сообщении.

Problem started at 18:29:35 on 2020.09.14 Problem name: Zabbix discoverer processes more than 75% busy
Host: Zabbix server
Severity: Average
Operational data: 100 %
Original problem ID: 71

Время	Действие	Тип	Получатель	Сообщение	Состояние	Инфо
14.09.2020 19:52:13	Report problems to Zabbix administrators	enafonya	Admin (Zabbix Administrator) alexey_afanasenko@epam.com	**Тема:** Problem: Unavailable by ICMP ping **Сообщение:** Problem started at 16:52:08 on 2020.09.14 Problem name: Unavailable by ICMP ping Host: test Severity: High Operational data: Down (0) Original problem ID: 39	Отправлено	

Отображено 1 из 1 найденных

6. Automatic agent registered:

Discovered device ▲									Monitored host	Uptime/Downtime		Zabbix
Local network (1 device)											
10.1.2.11 (zabbix-client.us-central1-c.c.smooth-era-287810.internal)									Zabbix auto agent	01:16:50	1h 16m 50s

	Name ▲	Applications	Items	Triggers	Graphs	Discovery	Web	Interface	Proxy	Templates	Status	Availability	Agent encryption	Info	Tags
☐	Zabbix server	Applications 15	Items 109	Triggers 56	Graphs 19	Discovery 3	Web	127.0.0.1: 10050		Template App Zabbix Server, Template OS Linux by Zabbix agent (Template Module Linux block devices by Zabbix agent, Template Module Linux CPU by Zabbix agent, Template Module Linux filesystems by Zabbix agent, Template Module Linux generic by Zabbix agent, Template Module Linux memory by Zabbix agent, Template Module Linux network interfaces by Zabbix agent, Template Module Zabbix agent)	Enabled	ZBX SNMP JMX IPMI	NONE		

Displaying 1 of 1 found

Name ▲	Interface	Availability		Tags	Problems	Status	Latest data	Problems	Graphs	Screens	Web
Zabbix auto agent	10.1.2.11: 10050	ZBX SNMP JMX IPMI				Enabled	Latest data	Problems	Graphs 8	Screens 2	Web
Zabbix server	127.0.0.1: 10050	ZBX SNMP JMX IPMI				Enabled	Latest data	Problems	Graphs 19	Screens 3	Web

Displaying 2 of 2 found

	Name ▲	Applications	Items	Triggers	Graphs	Discovery	Web	Interface	Proxy	Templates	Status	Availability	Agent encryption	Info	Tags
☐	Zabbix auto agent	Applications 11	Items 42	Triggers 14	Graphs 8	Discovery 3	Web	10.1.2.11: 10050		Template OS Linux by Zabbix agent Template Module Linux block devices by Zabbix agent, Template Module Linux CPU by Zabbix agent, Template Module Linux filesystems by Zabbix agent, Template Module Linux generic by Zabbix agent, Template Module Linux memory by Zabbix agent, Template Module Linux network interfaces by Zabbix agent, Template Module Zabbix agent)	Enabled	ZBX SNMP JMX IPMI	NONE		
☐	Zabbix server	Applications 15	Items 109	Triggers 56	Graphs 19	Discovery 3	Web	127.0.0.1:		Template App Zabbix Server, Template OS Linux by Zabbix agent	Enabled	ZBX SNMP JMX IPMI	NONE		

	Name ▲		Conditions		Operations		Status
☐	Auto discovery. Linux servers.		Received value contains *Linux* Discovery status equals *Up* Service type equals *Zabbix agent* Host IP equals *10.1.2.1-254*		**Add to host groups:** Linux servers **Link to templates:** Template OS Linux by Zabbix agent		Enabled

Displaying 1 of 1 found

	Name ▲		Conditions		Operations		Status
☐	Active agent registration		Host metadata contains *Linux*		**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

* custom check (useradata):

Item   Preprocessing

* Name	number of devices in /dev
Type	Zabbix agent ▾
* Key	vfs.dir.count[/dev] Select
* Host interface	10.1.2.11 : 10050 ▾
Type of information	Numeric (unsigned) ▾
Units	
* Update interval	1m

Custom intervals

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

Add

* History storage period	Do not keep history Storage period 90d
* Trend storage period	Do not keep trends Storage period 365d
Show value	As is ▾ show value mappings
New application	
Applications	-None- CPU Disk sda Filesystem / Filesystems General Interface eth0 Inventory Memory Monitoring agent

tem   Preprocessing

* Name   number of devices in /dev

Type   Zabbix agent

* Key   vfs.dir.count[/dev]   Select

* Host interf

Type of informat

U

* Update inte

Custom interv

Test item   ✕

Get value from host   ☑

Host address	10.1.2.11	Port	10050

Proxy   (no proxy)

Get value

Value	310 ✎	Time	now
Previous value	✎	Prev. time	

End of line sequence   LF   CRLF

Result   Result converted to Numeric (unsigned)   310

Get value and test   Cancel

* History storage pe

* Trend storage pe

Show va

New application

Applications   -None-
CPU

Trigger   Tags   Dependencies

🔔 🔊   ✕

🟨 Problem on Zabbix auto agent
number of devices has changed
2020-09-15 11:31:59

* Name   number of devices has changed

Operational data

Severity   Not classified   Information   Warning   Average   High   Disaster

* Expression   {Zabbix auto agent:vfs.dir.count[/dev].last()}>1   Add

Expression constructor

OK event generation   Expression   Recovery expression   None

PROBLEM event generation mode   Single   Multiple

OK event closes   All problems   All problems if tag values match

Allow manual close   ☐

URL

Description

Enabled   ☑

Update   Clone   Delete   Cancel

☐   Warning   PROBLEM   number of devices has changed   {Zabbix auto agent:vfs.dir.count[/dev].last()}>1   Enabled

* Host name	Zabbix auto agent
Visible name	

* Groups Discovered hosts ✕ Linux servers ✕   [Select]
type here to search

* Interfaces Type IP address   DNS name   Connect to   Port   Default

Agent   10.1.2.11   zabbix-client.us-central1-c.c.sn   [IP] [DNS]   10050   ⦿ Remove

Add

Description

Monitored by proxy   (no proxy) ▾

Enabled ☑

[Update] [Clone] [Full clone] [Delete] [Cancel]

All hosts / Zabbix auto agent   Enabled [ZBX] SNMP JMX IPMI   Applications 11   Items 42   Triggers 14   Graphs 8   Discovery rules 3   Web scenarios

Host   Templates   IPMI   Tags   Macros   Inventory   Encryption

Linked templates	Name	Action
	Template OS Linux by Zabbix agent	Unlink Unlink and clear

Link new templates   [type here to search]   [Select]

[Update] [Clone] [Full clone] [Delete] [Cancel]

* setup ldap configuration:

Authentication

Authentication   HTTP settings   **LDAP settings**   SAML settings

Enable LDAP authentication ☑

* LDAP host   10.1.2.12

* Port   389

* Base DN   dc=devopslab,dc=com

* Search attribute   uid

Bind DN

Case sensitive login ☑

Bind password

Test authentication   [must be a valid LDAP user]

* Login   my_user

* User password   ••••••••

Update