

Zabbix 2.2 monitorozó rendszer



Kovács László

Mi a monitoring célja

- esemény lekérdezés (maradék hűtési hibák) mint hogy a telefon csörgene)
- teljesítmény problémák felderítése (DE MERT LASSULY)
- automatizált beavatkozások elvégzése (ZULU 0200 - kivev sz. szabva előgarnit)
- SLA-berpórtolás (mennyi a bírtól amit követnek, vagy vizező)
- események közötti korreláció keresés (mi miért történhetett)
- ...

Eszközök

- simple check
- agent check
- SNMP
- IPMI
- telnet
- ssh
- ...

Software-ek

- Zabbix
- Nagios
- Nagios ikónok (pl.:icinga)
- Cacti
- Jö sok fizetés eszköz...

Az eszköz



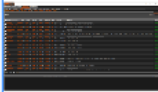
Mi kell hozzá

- 1. minimum 32GB RAM vagy több
- 2. minimum 10GB szabad hely
- 3. minimum 1GB szabad hely
- 4. minimum 1GB szabad hely
- 5. minimum 1GB szabad hely

Telepítés

- 1. minimum 32GB RAM vagy több
- 2. minimum 10GB szabad hely
- 3. minimum 1GB szabad hely
- 4. minimum 1GB szabad hely
- 5. minimum 1GB szabad hely

Configuration



Dashboard



Zabbix 2.2 monitorozó rendszer



The image shows the login interface of the Zabbix 2.2 monitoring system. The page has a blue background with a large, faint Zabbix logo. In the top right corner, there are links for "Help" and "Support". On the left side, the word "ZABBIX" is displayed in white text on a red rectangular background. To the right of the logo, there are two input fields: "Username" and "Password", both with blue labels and white input boxes. Below these fields is a checkbox labeled "Remember me for 30 days" with an orange checkmark. At the bottom of the form is a "Sign in" button. In the bottom left corner of the page, there is a small copyright notice: "Zabbix 2.2.2 Copyright 2001-2014 by Zabbix SIA".

Kovács László

Mi a monitoring célja

- esemény felderítés (hamarabb tudni a hibáról mint hogy a telefon csörögne)
- teljesítmény problémák felderítése (DE MÉRT LASSU?)
- automatizált beavatkozások elvégzése (ZULU 0200 - kinek van kedve dolgozni)
- SLA riportolás (mennyi a bünti amit fizetnek, vagy vezetek)
- események közötti koreláció keresés (mi miért történhetett)
- ...

Eszközök

- simple check
- agent check
- SNMP
- IPMI
- telnet
- ssh
-

Software-ek

- Zabbix
- Nagios
- Nagios klónok (pl.: Icinga)
- Cacti
- Jó sok fizetős eszköz...

Az eszköz



The image shows the Zabbix login interface. It features a blue background with a large, faint Zabbix logo. On the left, the word "ZABBIX" is displayed in white text on a red rectangular background. On the right, there are two input fields: "Username" and "Password", both with blue labels and white input areas. Below the password field is a checkbox labeled "Remember me for 30 days". A "Sign in" button is positioned below the checkbox. In the top right corner, there are links for "Help" and "Support". At the bottom left, the text "Zabbix 2.2.2 Copyright 2001-2014 by Zabbix SIA" is visible.

Help | Support

ZABBIX

Username

Password

Remember me for 30 days

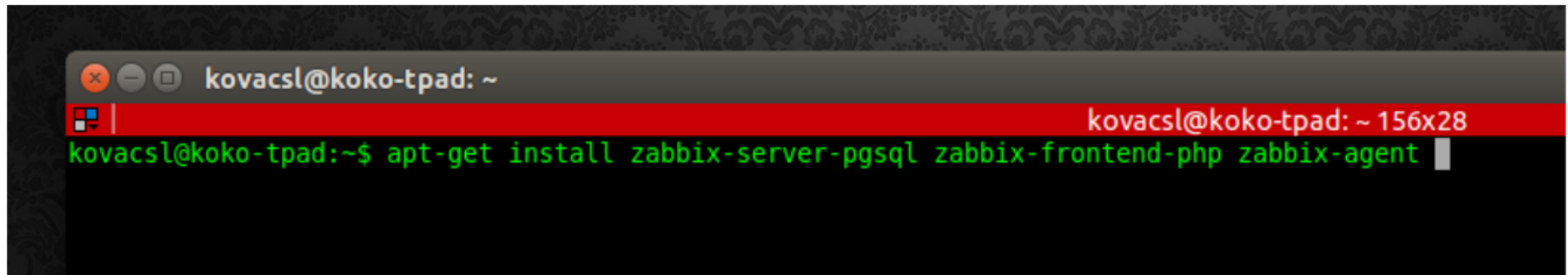
Sign in

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Mi kell hozzá

- minimum 1 gép (fizikai vagy virtuális)
- operációs rendszer (linux)
- database (mysql postgresql)
- hálózati kapcsolat
- adminisztrátor
- tudás

Telepítés



```
kovacsl@koko-tpad: ~  
kovacsl@koko-tpad:~$ apt-get install zabbix-server-pgsql zabbix-frontend-php zabbix-agent
```

- adatbázis létrehozás
- minimális szerkesztés a conf-ba
- apache conf szerkesztés

Dashboard

ZABBIX

Monitoring Inventory Reports Configuration Administration

Dashboard Overview Web Latest data Triggers Events Graphs Screens Maps Discovery IT services

History: Latest data » Configuration of hosts » Configuration of items » Configuration of triggers » Latest data

PERSONAL DASHBOARD

Favourite graphs

No graphs added.

[Graphs »](#)

Favourite screens

No screens added.

[Screens »](#)

Favourite maps

[WDC Infra](#)

[Maps »](#)

Status of Zabbix

Parameter	Value	Details
Zabbix server is running	Yes	localhost:10051
Number of hosts (monitored/not monitored/templates)	97	33 / 0 / 64
Number of items (monitored/disabled/not supported)	1409	1207 / 162 / 40
Number of triggers (enabled/disabled) [problem/ok]	431	414 / 17 [3 / 411]
Number of users (online)	4	1
Required server performance, new values per second	37.08	-

Updated: 10:08:04

System status

Host group	Disaster	High	Average	Warning	Information	Not classified
Hypervisors	0	0	0	0	0	0
OUTSIDE	0	0	0	0	0	0
WDC	0	1	0	0	0	0
WDC_INFRA	0	1	2	0	0	0
WDC_INFRA_NETWORK	0	0	0	0	0	0
WDC_INFRA_PRINTER	0	0	0	0	0	0
WDC_INFRA_SERVER	0	1	0	0	0	0
WDC_INFRA_STORAGE	0	0	0	0	0	0
WDC_INFRA_UCS	0	0	2	0	0	0
WDC_INFRA_VM	0	1	0	0	0	0
WDC_INFRA_VMWARE	0	0	0	0	0	0
Zabbix_servers	0	0	0	0	0	0

Updated: 10:08:04

Host status

Host group	Without problems	With problems	Total
Hypervisors	3	0	3
OUTSIDE	5	0	5
WDC	21	1	22
WDC_INFRA	24	2	26
WDC_INFRA_NETWORK	7	0	7
WDC_INFRA_PRINTER	2	0	2
WDC_INFRA_SERVER	9	1	10
WDC_INFRA_STORAGE	2	0	2
WDC_INFRA_UCS	2	1	3



Configuration

ZABBIX Help | Get support | Print | Profile | Logout

Monitoring | Inventory | Reports | **Configuration** | Administration

Host groups | Templates | **Hosts** | Maintenance | Actions | Screens | Slide shows | Maps | Discovery | IT services

History: Configuration of items » Configuration of triggers » Latest data » Dashboard » Configuration of host groups

CONFIGURATION OF HOSTS Create host | Import

Hosts Group: WDC

Displaying 1 to 22 of 22 found Filter

Name	Applications	Items	Triggers	Graphs	Discovery	Web	Interface	Templates	Status	Availability
SEK_Office	Applications (2)	Items (58)	Triggers (23)	Graphs (17)	Discovery (1)	Web (0)	172.31.255.240: 10050	- HP2920_PROCURVE, - PING, - SNMP_PORT_DISCOVERY	Monitored	🟢 🟢 🟢 🟢
SEK_OW_AGGB - WIFI	Applications (4)	Items (48)	Triggers (19)	Graphs (15)	Discovery (2)	Web (0)	172.31.255.241: 10050	- CISCO_SW_HW_STATUS, - PING, - SNMP_PORT_DISCOVERY	Monitored	🟢 🟢 🟢 🟢
ASA_5545-X_admin	Applications (5)	Items (19)	Triggers (8)	Graphs (6)	Discovery (1)	Web (0)	172.31.255.230: 10050	- CISCO_ASA, - PING, - SNMP_PORT_DISCOVERY_ASA	Monitored	🟢 🟢 🟢 🟢
ASA_5545-X_guest	Applications (2)	Items (10)	Triggers (4)	Graphs (3)	Discovery (1)	Web (0)	172.16.12.1: 10050	- PING, - SNMP_PORT_DISCOVERY	Monitored	🟢 🟢 🟢 🟢
ASA_5545-X_wgamer	Applications (2)	Items (7)	Triggers (3)	Graphs (2)	Discovery (1)	Web (0)	172.16.11.1: 10050	- PING, - SNMP_PORT_DISCOVERY	Monitored	🟢 🟢 🟢 🟢
Backup_srv	Applications (8)	Items (92)	Triggers (18)	Graphs (3)	Discovery (2)	Web (0)	172.31.255.34: 10050	- BACKUP_EXEC_SERVER, - BACKUP_EXEC_WINDOWS_CLIENT, - MEINBERG_GPS_TIME_SERVER, - PING, - TIME_PRECISION, - WINDOWS, Template App FTP Service, Template App TFTP Service	Monitored	🟢 🟢 🟢 🟢
Cisco_3750-X	Applications (5)	Items (160)	Triggers (61)	Graphs (49)	Discovery (3)	Web (0)	172.31.255.242: 10050	- CISCO_STACKWISE, - CISCO_SW_HW_STATUS, - PING, - SNMP_PORT_DISCOVERY	Monitored	🟢 🟢 🟢 🟢
CISCO_WLC	Applications (6)	Items (18)	Triggers (3)	Graphs (1)	Discovery (0)	Web (0)	172.31.255.17: 10050	- PING, - VMWARE_VM	Monitored	🟢 🟢 🟢 🟢
Cloud_Builder	Applications (6)	Items (18)	Triggers (3)	Graphs (1)	Discovery (0)	Web (0)	172.31.255.17: 10050	- PING, - VMWARE_VM	Monitored	🟢 🟢 🟢 🟢
Eh	Applications (6)	Items (18)	Triggers (3)	Graphs (1)	Discovery (0)	Web (0)	172.31.255.17: 10050	- PING, - VMWARE_VM	Monitored	🟢 🟢 🟢 🟢
Esx1	Applications (7)	Items (26)	Triggers (2)	Graphs (3)	Discovery (1)	Web (0)	172.31.255.30: 443	- PING, - VMWARE_HYPERVISOR	Monitored	🟢 🟢 🟢 🟢
Esx2	Applications (7)	Items (26)	Triggers (2)	Graphs (3)	Discovery (1)	Web (0)	172.31.255.30: 443	- PING, - VMWARE_HYPERVISOR	Monitored	🟢 🟢 🟢 🟢
Esx3	Applications (7)	Items (26)	Triggers (2)	Graphs (3)	Discovery (1)	Web (0)	172.31.255.30: 443	- PING, - VMWARE_HYPERVISOR	Monitored	🟢 🟢 🟢 🟢
Fuel5	Applications (6)	Items (18)	Triggers (3)	Graphs (1)	Discovery (0)	Web (0)	172.31.255.17: 10050	- PING, - VMWARE_VM	Monitored	🟢 🟢 🟢 🟢
Helpdesk	Applications (6)	Items (18)	Triggers (3)	Graphs (1)	Discovery (0)	Web (0)	172.31.255.17: 10050	- PING, - VMWARE_VM	Monitored	🟢 🟢 🟢 🟢
HP_laserJet_1415	Applications (4)	Items (10)	Triggers (7)	Graphs (0)	Discovery (0)	Web (0)	172.16.1.9: 10050	- HTTP, - PING, - PRINTERv1	Monitored	🟢 🟢 🟢 🟢
Sbs	Applications (8)	Items (119)	Triggers (52)	Graphs (4)	Discovery (2)	Web (0)	172.16.1.3: 10050	- BACKUP_EXEC_WINDOWS_CLIENT, - OFFICE_SBS, - PING, - TIME_PRECISION, - VMWARE_VM, - WINDOWS	Monitored	🟢 🟢 🟢 🟢
Shore_MX-314W	Applications (4)	Items (10)	Triggers (7)	Graphs (0)	Discovery (0)	Web (0)	172.16.1.8: 10050	- HTTP, - PING, - PRINTERv2	Monitored	🟢 🟢 🟢 🟢
Snmpv3	Applications (5)	Items (17)	Triggers (2)	Graphs (1)	Discovery (0)	Web (0)	10.57.80.49: 10050	-	Monitored	🟢 🟢 🟢 🟢
Syslog-srv	Applications (13)	Items (59)	Triggers (20)	Graphs (9)	Discovery (2)	Web (0)	172.31.255.35: 10050	- LINUX (Template App Zabbix Agent), - PING, - VMWARE_VM	Monitored	🟢 🟢 🟢 🟢
Voicemail_Server	Applications (6)	Items (18)	Triggers (3)	Graphs (1)	Discovery (0)	Web (0)	172.31.255.30: 10050	- PING, - VMWARE_VM	Monitored	🟢 🟢 🟢 🟢
Zabbix_2.2	Applications (14)	Items (100)	Triggers (51)	Graphs (17)	Discovery (2)	Web (0)	172.31.255.31: 10050	- LINUX (Template App Zabbix Agent), - NTP_CLIENT, - PING, - VMWARE_VM, Template App Zabbix Server	Monitored	🟢 🟢 🟢 🟢

Export selected Go (0)

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Tech rész nagyon gyorsan

- host (az eszköz)
- item (mérendő paraméter)
- trigger (logikai feltétel a risztáshoz)
- graph
- screen (összetett kép testre szabva)
- media (értesítési "eszköz")
- user
- action (mit kell csinálni)
- config kézzel
- config discovery-vel
- config low level discovery-vel

Nézzük ezt a gyakorlatban