

Мониторинг каналов uitr сервером Zabbix.

Устройство NSG с точки зрения Zabbix сервера является хостом.

Пусть Хост имеет адрес 10.0.10.182 и имя 'nsghost', а Zabbix сервер имеет адрес 10.0.10.10.

На хосте необходимо сконфигурировать services.zabbix.agentd и services.event-handler.

Uitr не требует дополнительной конфигурации.

В примере показаны обязательные для конфигурации поля:

The screenshot shows the Mikrotik WinBox configuration interface for a device named 'nsghost'. The 'services' menu is expanded to 'event-handler', and the 'zabbix' service is selected. Two configuration windows are visible:

```
event-actions
: zabbixsender
: : zbx
: : : hostname = 'nsghost'
: : : server = '10.0.10.10:10051'
: : : keep = true
1
: virt-sensor = 'uitr.*'
: action = '#zabbixsender.zbx'
: : keep = true
```

```
agentd
: adm-state = 'up'
: hostname = 'nsghost'
: server = '10.0.10.10'
: serveractive = '10.0.10.10'
: options
: : uitrdiscovery = true
: : debug-level = 4
```

The interface also shows a sidebar with various service categories like search, ethernet, ip, ipv6, netns, port, pseudo-interface, services, event-server, http, netflow, netping, snmp, ssh, httpproxy, telnet, upnp, zabbix, system, tools, and tunnel.

Далее конфигурируем Zabbix сервер:

1. Скачиваем файл [zbx\\_uitcp\\_templates.zip](http://ftp.nsg.net.ru/pub/nsg-linux/zabbix/zbx_uitcp_templates.zip) отсюда [ftp://ftp.nsg.net.ru/pub/nsg-linux/zabbix/](http://ftp.nsg.net.ru/pub/nsg-linux/zabbix/)

2. Разархивируем его.

3. Импортируем шаблон в Zabbix сервер.

Configuration → Templates → Import

The screenshot shows the Zabbix web interface. The top navigation bar includes 'Monitoring', 'Inventory', 'Reports', 'Configuration', and 'Administration'. The 'Configuration' menu is expanded, showing 'Templates', 'Hosts', 'Maintenance', 'Actions', 'Screens', 'Slide shows', 'Maps', 'Discovery', and 'IT services'. The 'Templates' sub-menu is selected. The main content area is titled 'CONFIGURATION OF TEMPLATES' and features a search bar and buttons for 'Create template' and 'Import'. Below this, a table lists various templates with their associated metrics.

Templates	Applications	Items	Triggers	Graphs	Screens	Discovery	Web	Linked templates	Linked to
Template App FTP Service	Applications (1)	Items (1)	Triggers (1)	Graphs (0)	Screens (0)	Discovery (0)	Web (0)	-	-
Template App HTTP Service	Applications (1)	Items (1)	Triggers (1)	Graphs (0)	Screens (0)	Discovery (0)	Web (0)	-	-
Template App HTTPS Service	Applications (1)	Items (1)	Triggers (1)	Graphs (0)	Screens (0)	Discovery (0)	Web (0)	-	-
Template App IMAP Service	Applications (1)	Items (1)	Triggers (1)	Graphs (0)	Screens (0)	Discovery (0)	Web (0)	-	-
Template App LDAP Service	Applications (1)	Items (1)	Triggers (1)	Graphs (0)	Screens (0)	Discovery (0)	Web (0)	-	-
Template App MySQL	Applications (1)	Items (14)	Triggers (1)	Graphs (2)	Screens (1)	Discovery (0)	Web (0)	-	-
Template App NNTP Service	Applications (1)	Items (1)	Triggers (1)	Graphs (0)	Screens (0)	Discovery (0)	Web (0)	-	-
Template App NTP Service	Applications (1)	Items (1)	Triggers (1)	Graphs (0)	Screens (0)	Discovery (0)	Web (0)	-	-
Template App POP Service	Applications (1)	Items (1)	Triggers (1)	Graphs (0)	Screens (0)	Discovery (0)	Web (0)	-	-
Template App SMTP Service	Applications (1)	Items (1)	Triggers (1)	Graphs (0)	Screens (0)	Discovery (0)	Web (0)	-	-
Template App SSH Service	Applications (1)	Items (1)	Triggers (1)	Graphs (0)	Screens (0)	Discovery (0)	Web (0)	-	-
Template App Telnet Service	Applications (1)	Items (1)	Triggers (1)	Graphs (0)	Screens (0)	Discovery (0)	Web (0)	-	-
Template App Zabbix Agent	Applications (1)	Items (3)	Triggers (3)	Graphs (0)	Screens (0)	Discovery (0)	Web (0)	-	Template OS AIX, Template OS FreeBSD, Template OS HP-UX, Template OS Linux, Template OS Mac OS X, Template OS OpenBSD, Template OS Solaris, Template OS Windows
Template App Zabbix Proxy	Applications (1)	Items (21)	Triggers (19)	Graphs (4)	Screens (1)	Discovery (0)	Web (0)	-	-
Template App Zabbix Server	Applications (1)	Items (31)	Triggers (27)	Graphs (5)	Screens (1)	Discovery (0)	Web (0)	-	Zabbix server
Template ICMP Ping	Applications (1)	Items (3)	Triggers (3)	Graphs (0)	Screens (0)	Discovery (0)	Web (0)	-	-
Template IPMI Intel SR1530	Applications (3)	Items (8)	Triggers (11)	Graphs (2)	Screens (0)	Discovery (0)	Web (0)	-	-
Template IPMI Intel SR1630	Applications (3)	Items (11)	Triggers (21)	Graphs (2)	Screens (0)	Discovery (0)	Web (0)	-	-
Template JMX Generic	Applications (8)	Items (55)	Triggers (26)	Graphs (11)	Screens (0)	Discovery (0)	Web (0)	-	-
Template JMX Tomcat	Applications (5)	Items (32)	Triggers (5)	Graphs (4)	Screens (0)	Discovery (0)	Web (0)	-	-
Template OS AIX	Applications (11)	Items (42)	Triggers (12)	Graphs (4)	Screens (1)	Discovery (2)	Web (0)	Template App Zabbix Agent	-
Template OS FreeBSD	Applications (10)	Items (29)	Triggers (14)	Graphs (5)	Screens (1)	Discovery (2)	Web (0)	Template App Zabbix Agent	-

## Вводим имя файла шаблона → Import

Import file:

Rules

	Update existing	Add missing
Groups	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hosts	<input type="checkbox"/>	<input type="checkbox"/>
Templates	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Template screens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Template linkage	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Items	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Discovery rules	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Triggers	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Graphs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Screens	<input type="checkbox"/>	<input type="checkbox"/>
Maps	<input type="checkbox"/>	<input type="checkbox"/>
Images	<input type="checkbox"/>	<input type="checkbox"/>

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## 4. Конфигурируем хост. Configuration → Hosts → Create host

Configuration of Hosts

Group: all

Displaying 1 to 4 of 4 found

Name	Applications	Items	Triggers	Graphs	Discovery	Web	Interface	Templates	Status	Availability
АТМ-182	Applications (0)	Items (9)	Triggers (6)	Graphs (0)	Discovery (1)	Web (0)	10.0.10.182: 10050	Template UITCP Server	Monitored	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Zabbix server	Applications (11)	Items (2073)	Triggers (44)	Graphs (1013)	Discovery (2)	Web (0)	127.0.0.1: 10050	Template App Zabbix Server, Template OS Linux (Template App Zabbix Agent)	Monitored	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Комната разработчиков	Applications (10)	Items (2043)	Triggers (18)	Graphs (1008)	Discovery (2)	Web (0)	127.0.0.1: 10050	Template OS Linux (Template App Zabbix Agent)	Monitored	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Счетчик	Applications (10)	Items (61)	Triggers (27)	Graphs (10)	Discovery (3)	Web (0)	10.0.10.180: 10050	Template OS Linux (Template App Zabbix Agent), Template UITCP Server	Monitored	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Export selected:

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Вводим параметры хоста(обязательно имя и адрес) → Save

The screenshot shows the Zabbix configuration interface for a new host. The 'Host name' field is set to 'nsgghost' and the 'IP address' is '10.0.10.182'. The 'Save' button is highlighted with a red circle. The interface includes tabs for Host, Templates, IPMI, Macros, and Host inventory. The 'Agent interfaces' section shows the IP address, DNS name, and port (10050) for the host. The 'Status' is set to 'Monitored'.

5. Переходим в список хостов и выбираем наш.

The screenshot shows the Zabbix Hosts list page. The 'NSG host' entry is highlighted with a red circle. The table displays the following data:

Name	Applications	Items	Triggers	Graphs	Discovery	Web	Interface	Templates	Status	Availability
ATM-182	Applications (0)	Items (9)	Triggers (6)	Graphs (0)	Discovery (1)	Web (0)	10.0.10.182: 10050	Template.UITCP.Server	Monitored	
NSG host	Applications (0)	Items (0)	Triggers (0)	Graphs (0)	Discovery (1)	Web (0)	10.0.10.182: 10050	Template.UITCP.Server	Monitored	
Zabbix server	Applications (11)	Items (2073)	Triggers (44)	Graphs (1013)	Discovery (2)	Web (0)	127.0.0.1: 10050	Template.App.Zabbix.Server, Template.OS.Linux (Template.App.Zabbix.Agent)	Monitored	
Конната разработчиков	Applications (10)	Items (2043)	Triggers (18)	Graphs (1008)	Discovery (2)	Web (0)	127.0.0.1: 10050	Template.OS.Linux (Template.App.Zabbix.Agent)	Monitored	
Счетчик	Applications (10)	Items (61)	Triggers (27)	Graphs (10)	Discovery (3)	Web (0)	10.0.10.180: 10050	Template.OS.Linux (Template.App.Zabbix.Agent), Template.UITCP.Server	Monitored	

## 6. Добавляем шаблон .

Templates → Select → Template UITCP Server → Add → Save

**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 hosts » Configuration of host groups » Configuration of hosts » Configuration of discovery rules » Configuration of hosts

**CONFIGURATION OF HOSTS**

« Host list | **Host: NSG host** | Monitored    Applications (0) | Items (0) | Triggers (0) | Graphs (0) | Discovery rules (0) | Web scenarios (0)

Host | **Templates** | PMI | Macros | Host inventory

Linked templates

Name	Action
No templates linked.	

Link new templates

Template UITCP Server X

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## 7. Проверяем работоспособность.

Monitoring → Latest data → Host(NSG host)

**ZABBIX** Help | Get support | Print | Profile | Logout

Monitoring | Inventory | Reports | Configuration | Administration

Dashboard | Overview | Web | **Latest Data** | Triggers | Events | Graphs | Screens | Maps | Discovery | IT services

History: Configuration of discovery rules » Configuration of hosts » Dashboard » Latest data » Dashboard

**LATEST DATA**

Items  Group | all | **Host [NSG host]**

Show items with name like   
Show items without data   
Show details

Filter Reset

Name	Last check	Last value	Change
- other - (5 Items)			
uitcp backup aaa	03 Dec 2015 18:09:01	0	- <a href="#">Graph</a>
uitcp link aaa	03 Dec 2015 18:09:01	ATM-187	- <a href="#">History</a>
uitcp state aaa	03 Dec 2015 18:09:01	normal	- <a href="#">History</a>
uitcp state bbb	03 Dec 2015 18:09:01	dead	- <a href="#">History</a>
uitcp state ccc	03 Dec 2015 18:09:01	dead	- <a href="#">History</a>

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