Содержание

Monitoring via SNMP agent (Zabbix-agent)	3
Agent Setup	3
Server setup	4

Monitoring via SNMP agent (Zabbix-agent)

We offer you the following set of parameters that can be taken from the SSG DPI:

- Errors in fastDPI process log /var/log/dpi/fastdpi_alert.log
- Errors in the /var/log/messages system log
- Losses (Drop) on dna interfaces
- Traffic volume on interfaces
- Availability of control interfaces
- Number of HTTP and HTTPS requests processed
- Number of blocked resources by HTTP, HTTPS, IP
- Number of PPPoE sessions

You can use Zabbix Agent for monitoring.

Current and final supported version of agent and server is 6.0, Zabbix agent 1 should be used. For newer versions of Zabbix, monitoring will be done via SNMP, you should use the

vase_template_snmp.xml

template for this.

Agent Setup

- 1. Install Zabbix agent 1 on the DPI server according to the instructions on the Zabbix website. In the first step, select the following values:
 - Zabbix Packages
 - Zabbix version: 6.0+
 - OS distribution: CentOS
 - OS version: 8 STREAM
 - Zabbix component: AGENT
- 2. Edit the configuration file /etc/zabbix/zabbix_agentd.conf: change the parameters Server= and ServerActive= to your server address, hostname= to the server hostname.
- 3. Change the context of the /var/log/dpi/fastdpi_stat.log file:

```
chcon unconfined_u:object_r:zabbix_log_t:s0
/var/log/dpi/fastdpi_stat.log
```

- 4. Open tcp/udp ports 10050 and 10051 in firewall
- 5. Upload the

ssg_userparams.conf

file to the /etc/zabbix/zabbix_agent.d/ directory

Edit the ssg_userparams.conf file by replacing the interface number in UserParameter
 02-00.0 should be replaced with the interface names of your server!
 The name must match the DPI config. If you have more than 2 interfaces in use, you

must add a line similar to the existing parameters.

```
UserParameter=dpi.02-00.0.drops,tac /var/log/dpi/fastdpi_stat.log | sed
/'IF 02-00.0'/q | tac | sed -e 1,/'Actual Stats'/d | sed '6!D' | awk
'{print $1}' | sed 's/^.//'
```

7. Restart the agent: systemctl restart Zabbix-agent

Server setup

- 1. Install and configure Zabbix servers according to the instructions on the official website.
- 2. Add template

zbx_export_templates.xml



- 3. Add a DPI server as a host
 - 1) Go to Monitoring section
 - 2) Hosts section
 - 3) Click "Create host"
 - 4) Set the required parameters, hostname, group and the previously added template
 - 5) Save changes

	ZAE	BIX « 🔊	Hosts											3	treate host
			< 7		Host										
	• м	onitoring	Heat IPM Tags Macros Inventory Encryption Value mapping												
		ashboard			" Host name	DPI-00									
		oblems			Visible name	DPI-00							Remove		
(2 "	osts			Templates	Name		Action							
	.	itest data				VASE-mib		Unlink Unlink and clear	t						
		aps				type here to search			Select						
		scovery			* Groups	Templates ×			Select						
		ervices -				type here t	o search								
				_	Interfaces	Туре	IP address	DNS name	Connect to	Port	Default				
		ventory ~	Name 🔺	Interface		✓ SNMP	10.10.99.100		IP DNS	161	 Remove 	S	Graphs	Dashboards	Web
	🛄 R	eports v	DPI-00	10.10.99.100		Add						s			
		onfiguration ~	DPI-02	10.10.99.104	Description							s			
		dministration	DPI-07	10.10.99.107								s	Graphs 31		
		aminisu augur	Zabbix server	127.0.0.1:100								s	Graphs 25	Dashboards 4	
				_				1.						Displa	rying 4 of 4 found
					Monitored by proxy	(no pravy) 🗸									
					Enabled	~									
									\sim						
									(5)	Update Clon	e Full clone Delete Cancel				
		upport													
		legrations													
		alp													
		ser settings ~													
		gn out													

Edit the template: change the names of the interfaces and keys so that they match the UserParameter.