

Module C1 Practical Work Report

Задание C1.5

На установленном **Zabbix** зашифруйте соединение **Zabbix**-агента с сервером через **PSK**-ключ. Выберите темплейт **Linux**-сервера и посмотреть метрики. Для дополнительной информации можно обратиться с скринкасту из юнита «Zabbix и "классический" мониторинг».

В качестве решения отправьте ментору ссылку на скриншот со страницей подключенных агентов и включенным шифрованием **PSK**.

Zabbix Server

andrey@localhost:~

File Edit View Search Terminal Help

```
VERSION_ID="7"
PRETTY_NAME="CentOS Linux 7 (Core)"
ANSI_COLOR="0;31"
CPE_NAME="cpe:/o:centos:centos:7"
HOME_URL="https://www.centos.org/"
BUG_REPORT_URL="https://bugs.centos.org/"

CENTOS_MANTISBT_PROJECT="CentOS-7"
CENTOS_MANTISBT_PROJECT_VERSION="7"
REDHAT_SUPPORT_PRODUCT="centos"
REDHAT_SUPPORT_PRODUCT_VERSION="7"

[andrey@localhost ~]$ netstat -tlnp
(Not all processes could be identified, non-owned process info
 will not be shown, you would have to be root to see it all.)
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program name
tcp        0      0 0.0.0.0:zabbix-agent    0.0.0.0:*               LISTEN      -
tcp        0      0 0.0.0.0:zabbix-trapper 0.0.0.0:*               LISTEN      -
tcp        0      0 localhost:cslistener    0.0.0.0:*               LISTEN      -
tcp        0      0 0.0.0.0:sunrpc          0.0.0.0:*               LISTEN      -
tcp        0      0 localhost:domain        0.0.0.0:*               LISTEN      -
tcp        0      0 0.0.0.0:ssh             0.0.0.0:*               LISTEN      -
tcp        0      0 localhost:ipp            0.0.0.0:*               LISTEN      -
tcp6       0      0 localhost:smtp          [::]:*                 LISTEN      -
tcp6       0      0 [::]:zabbix-agent       [::]:*                 LISTEN      -
tcp6       0      0 [::]:zabbix-trapper     [::]:*                 LISTEN      -
tcp6       0      0 [::]:mysql               [::]:*                 LISTEN      -
tcp6       0      0 [::]:sunrpc              [::]:*                 LISTEN      -
tcp6       0      0 [::]:webcache            [::]:*                 LISTEN      -
tcp6       0      0 [::]:ssh                 [::]:*                 LISTEN      -
tcp6       0      0 localhost:ipp            [::]:*                 LISTEN      -
[andrey@localhost ~]$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
   link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
   inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
   inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
   link/ether 00:0c:29:e4:9c:b4 brd ff:ff:ff:ff:ff:ff
   inet 192.168.59.132/24 brd 192.168.59.255 scope global noprefixroute dynamic ens33
       valid_lft 1406sec preferred_lft 1406sec
   inet6 fe80::c4ca:9647:4326:cf87/64 scope link noprefixroute
       valid_lft forever preferred_lft forever
3: virbr0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000
   link/ether 52:54:00:06:ac:77 brd ff:ff:ff:ff:ff:ff
   inet 192.168.122.1/24 brd 192.168.122.255 scope global virbr0
```

andrey@localhost:~

Zabbix agent

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etc

zabbix

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Recent

Home

Documents

Downloads

Music

Pictures

Videos

Trash

CentOS 7 x86_64

Other Locations

Name	Size
web	—
zabbix_agentd.conf	13.2 kB

andrey@localhost: /home

File Edit View Search Terminal Help

```
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
inet 127.0.0.1/8 scope host lo
    valid_lft forever preferred_lft forever
inet6 ::1/128 scope host
    valid_lft forever preferred_lft forever
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 00:0c:29:b5:c2:eb brd ff:ff:ff:ff:ff:ff
    inet 192.168.59.131/24 brd 192.168.59.255 scope global noprefixroute dynamic ens33
        valid_lft 1354sec preferred_lft 1354sec
    inet6 fe80::d485:2049:1c27:4063/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
3: docker0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default
    link/ether 02:42:d1:e8:2f:b9 brd ff:ff:ff:ff:ff:ff
    inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
        valid_lft forever preferred_lft forever
[andrey@localhost home]$ cat /etc/os
cat: /etc/os: No such file or directory
[andrey@localhost home]$ cat /etc/os-release
NAME="CentOS Linux"
VERSION="7 (Core)"
ID="centos"
ID_LIKE="rhel fedora"
VERSION_ID="7"
PRETTY_NAME="CentOS Linux 7 (Core)"
ANSI_COLOR="0;31"
CPE_NAME="cpe:/o:centos:centos:7"
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[andrey@localhost home]$
```

Result

localhost.localdomain: Configur

localhost.localdomain

Monitoring

Inventory

Reports

Configuration

Host groups

Templates

Hosts

Maintenance

Actions

Event correlation

Discovery

Services

Administration

192.168.59.132:8080/zabbix/hosts.php

Create hostImport

Filter

Host groups

type here to search

Select

Templates

type here to search

Select

Name

DNS

IP

Port

Monitored by

AnyServerProxy

Proxy

Tags

And/OrOr

tag

ContainsEquals

value

Remove

Add

ApplyReset

<input type="checkbox"/>	Name	Applications	Items	Triggers	Graphs	Discovery	Web	Interface	Proxy	Templates	Status	Availability	Agent encryption	Info	Tags
<input type="checkbox"/>	centos7-andreys1	Applications 14	Items 58	Triggers 26	Graphs 11	Discovery 3	Web	192.168.59.131:10050		Template OS Linux by Zabbix agent active (Template Module Linux block devices by Zabbix agent active, Template Module Linux CPU by Zabbix agent active, Template Module Linux filesystems by Zabbix agent active, Template Module Linux generic by Zabbix agent active, Template Module Linux memory by Zabbix agent active, Template Module Linux network interfaces by Zabbix agent active, Template Module Zabbix agent active)	Enabled	ZBXSNMPJMXIPMI	PSKNONEPSKCERT		
<input type="checkbox"/>	Zabbix server	Applications 20	Items 137	Triggers 75	Graphs 27	Discovery 3	Web	127.0.0.1: 10050		Template App HTTP Service, Template App Zabbix Server, Template OS Linux by Zabbix agent active (Template Module Linux block devices by Zabbix agent active, Template Module Linux CPU by Zabbix agent active, Template Module Linux filesystems by Zabbix agent active, Template Module Linux generic by Zabbix agent active, Template Module Linux memory by Zabbix agent active, Template Module Linux network interfaces by Zabbix agent active, Template Module Zabbix agent active)	Enabled	ZBXSNMPJMXIPMI	NONE		

0 selectedEnableDisableExportMass updateDelete

Displaying 2 of 2 found

Templates were removed and applied again

localhost.localdomain: Configur

localhost.localdomain

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192.168.59.132:8080/zabbix/hosts.php?form=update&hostid=10435

Hosts

All hosts / centos7-andreys1EnabledZBXSNMPJMXIPMIApplications 14Items 58Triggers 26Graphs 11Discovery rules 3Web scenarios

HostTemplatesIPMITagsMacrosInventoryEncryption

Connections to host

No encryptionPSKCertificate

Connections from host

☐ No encryption☒ PSK☐ Certificate

* PSK identity

PSK 001

* PSK

c8a635faa8d3fd9a68bd06e4249e9b8afb3769e7be8a94baf01df3d941138023

UpdateCloneFull cloneDeleteCancel

