SNMP (Simple Network Management Protocol) is widely used for monitoring and central management purposes. In this tutorial we will install the snmpd service to a RHEL 8 / CentOS 8 machine, enable autostart, and after starting the service, we will test the functioning service with snmpwalk running the default settings.

Установка net-snmp сервера на Centos8.

1) Conf both machines with in same network.

2) Make pingable to each other.

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Установка первоначальная для snmp на Centos8.

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1.1 dnf install net-snmp - First we need to [install the package](https://linuxconfig.org/how-to-install-packages-on-redhat-8" \t "_blank) containing the snmpd service:

1.2 systemctl enable snmpd - To set the service to automatic start on boot, we use systemctl:

1.3 systemctl start snmpd - Let’s start the service:

1.4 dnf install net-snmp-utils - To test it, we’ll need the snmpwalk utility:

1.5 snmpwalk -v 2c -c public -O e 127.0.0.1 To test it from the command line, we’ll query the default public community (“rhel8lab” in the answer is the hostname of the lab machine):

1.6 /etc/firewalld/services/snmpd.xml - For remote access, we need to add a new service to firewalld. We create the text file /etc/firewalld/services/snmpd.xml with the following content:

1.7

<?xml version="1.0" encoding="utf-8"?>

<service>

<short>SNMPD</short>

<description>SNMP daemon</description>

<port protocol="udp" port="161"/>

</service>

1.8 sudo firewall-cmd --zone=public --add-service snmpd –permanent - Open the firewall for the service:

1.9 sudo firewall-cmd –reload - And reload the firewall’s configuration:

2.0 sudo snmpwalk -v 2c -c public -O e <hostname-or-ip-address-of-the-machine> - Now we can query the machine remotely the same way as we did on localhost: