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# Hardware Requirements, Installation, and Update

## Minimum Hardware Requirements

FastRADIUS can be installed on a SCAT server or on a dedicated server or VM.

1. CPU — 2 cores
2. RAM — from 1 GB
3. SSD — 50 GB
4. Operating System — [VEOS](#)
5. Network Interface Card (NIC) — 2 ports, for SSH management (+ optional IPFIX sending) and for receiving RADIUS traffic

## Installation and Update

The component is included in the standard SCAT software package. If used on the same server as SCAT, no additional installation is required.

Further updates are performed in the standard way:

```
yum update fastradius
```

### Installation on a Separate Server or VM

1. Configure precise time synchronization via the ntpd service. NTPD configuration file: /etc/sysconfig/ntpd. To do this, install the precise time service

```
yum install chrony -y
systemctl restart chronyd
timedatectl
```



When running the `timedatectl` command, the `System clock synchronized` parameter must have the value `yes`

2. Connect the vasexperts repository

```
rpm --import http://vasexperts.ru/centos/RPM-GPG-KEY-vasexperts.ru
rpm -Uvh
http://vasexperts.ru/centos/6/x86_64/vasexperts-repo-2-1.noarch.rpm
```

3. Install FastRADIUS

```
yum install fastradius
```

4. Verify that the service starts

```
service fastradius start
```

5. Enable service autostart at boot

```
systemctl enable fastradius
```