



RAIDIX ERA 4.0.0 INSTALLATION GUIDE

Document version 1.3

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OVERVIEW

This document describes instructions on installation of the RAIDIX ERA 4.0.0 software.

You can install your RAIDIX ERA 4.0.0 using the “raidix-repo” repository. For details, see the chapter “Installing RAIDIX ERA 4.0.0” for your system.

Most of the commands presented below in this document are run only with superuser privileges.

During the installation process, additional packages required for RAIDIX ERA 4.0.0 are automatically installed on your system (to learn more, see the document *RAIDIX ERA 4.0.0 System Requirements*).

INSTALLING

To properly install the required dependencies, access to the distribution package repositories is required (to learn more, see the document *RAIDIX ERA 4.0.0 System Requirements*).

To install RAIDIX ERA 4.0.0 with DKMS, your OS must have one of the packages

- kernel-devel (for RHEL-based systems)
- kernel-uek-devel (for Oracle Linux)
- linux-headers (for Ubuntu, Debian)
- kernel-default-devel (for OpenSUSE, SLES)
- kernel-headers-modules-std-def (для ALT)
- pve-headers (for Proxmox)

with the headers of your current Linux kernel version. Note that some OS distributions do not have such pre-installed package (and some repositories may not have package versions for out-of-date kernel versions). In this case, you need to install the package yourself by specifying the repository containing the headers package for your kernel version.

- Example command to install the package kernel-uek-devel on Oracle Linux 8.4 with the kernel 5.4.17-2036.100.6.1:

```
# yum install
https://yum.oracle.com/repo/OracleLinux/OL8/UEKR6/x86_64/getPackage/kernel-uek-devel-5.4.17-2036.100.6.1.el8uek.x86_64.rpm
```

- Example command to install the package linux-headers on Ubuntu 18.04 with the kernel 4.15.0-124-generic:

```
# apt install linux-headers-4.15.0-124-generic
```

- Example command to install the package pve-headers on Proxmox 7.0 with the kernel 5.11.22-4-pve:

```
# apt install pve-headers-5.11.22-4-pve
```

Before installing the packages on Proxmox, make sure that you have included the package repositories according to the manufacturer's instructions (<https://pve.proxmox.com>).

RHEL-based systems

Information in this chapter is for

- Rocky Linux;
- Alma Linux;
- RHEL;
- Oracle Linux (EL).

To install RAIDIX ERA 4.0.0 on an RHEL-based system:

1. Install epel depending on your OS version:

- RHEL 8:

```
# dnf -y install https://dl.fedoraproject.org/pub/epel/epel-release-latest-8.noarch.rpm
```

- RHEL 7:

```
# dnf -y install https://dl.fedoraproject.org/pub/epel/epel-release-latest-7.noarch.rpm
```

2. Install eraraid-repo for your OS:

```
# dnf install https://pkg.raidix.com/repository/Repository/el/8/kver-4.18/eraraid-repo-1.0.0-29.kver.4.18.noarch.rpm
```

3. Install eraraid-release.

This command installs RAIDIX ERA 4.0.0.

```
# dnf install eraraid-release
```

Oracle Linux UEK

To install RAIDIX ERA 4.0.0 on an Oracle Linux with UEK:

1. Install eraraid-repo for your OS:

```
# dnf install https://pkg.raidix.com/repository/Repository/oracle/8.4/kver-5.4/eraraid-repo-1.0.0-29.kver.5.4.noarch.rpm
```

2. Install eraraid-release.

This command installs RAIDIX ERA 4.0.0.

```
# dnf install eraraid-release
```

Ubuntu Linux

Information in this chapter is for Ubuntu system versions:

- 18.04 with 4.15 kernel;
- 20.04 LTS with 5.4 kernel;
- 20.04 HWE with 5.13 kernel;
- 22.04 LTS with 5.15.

Ubuntu 18.04

To install RAIDIX ERA 4.0.0 on an Ubuntu 18.04:

1. Install eraraid-repo for your OS:

```
# curl -O
https://pkg.raidix.com/repository/Repository/ubuntu/18.04/kver
-4.15/eraraid-repo_1.0.0-37.kver.4.15_amd64.deb

# apt update

# apt install ./eraraid-repo_1.0.0-37.kver.4.15_amd64.deb
```

2. Install eraraid-release.

These commands install RAIDIX ERA 4.0.0.

```
# apt update

# apt install eraraid-release
```



If you do not have the postfix package installed on your system, during the installation, you will be prompted to choose its configuration. Select "No configuration".

Ubuntu 20.04 LTS (5.4 Kernel)

To install RAIDIX ERA 4.0.0 on an Ubuntu 20.04 LTS with 5.4 kernel:

1. Install eraraid-repo for your OS:

```
# curl -O
https://pkg.raidix.com/repository/Repository/ubuntu/20.04/kver
-5.4/eraraid-repo_1.0.0-29.kver.5.4_amd64.deb

# apt update

# apt install ./eraraid-repo_1.0.0-29.kver.5.4_amd64.deb
```

2. Install eraraid-release.

These commands install RAIDIX ERA 4.0.0.

```
# apt update  
  
# apt install eraraid-release
```



If you do not have the postfix package installed on your system, during the installation, you will be prompted to choose its configuration. Select "No configuration".

Ubuntu 20.04 HWE (5.13 Kernel)

To install RAIDIX ERA 4.0.0 on an Ubuntu 20.04 HWE with 5.13 kernel:

1. Install eraraid-repo for your OS:

```
# curl -O  
https://pkg.raidix.com/repository/Repository/ubuntu/20.04/kver  
-5.13/eraraid-repo_1.0.0-29.kver.5.13_amd64.deb  
  
# apt update  
  
# apt install ./eraraid-repo_1.0.0-29.kver.5.13_amd64.deb
```

2. Install eraraid-release.

These commands install RAIDIX ERA 4.0.0.

```
# apt update  
  
# apt install eraraid-release
```



If you do not have the postfix package installed on your system, during the installation, you will be prompted to choose its configuration. Select "No configuration".

Ubuntu 22.04 LTS

To install RAIDIX ERA 4.0.0 on an Ubuntu 22.04 LTS:

1. Install eraraid-repo for your OS:

```
# curl -O  
https://pkg.raidix.com/repository/Repository/ubuntu/22.04/kver  
-5.15/eraraid-repo_1.0.0-37.kver.5.15_amd64.deb  
  
# apt update
```

```
# apt install ./eraraid-repo_1.0.0-37.kver.5.15_amd64.deb
```

2. Install eraraid-release.

These commands install RAIDIX ERA 4.0.0.

```
# apt update  
  
# apt install eraraid-release
```



If you do not have the postfix package installed on your system, during the installation, you will be prompted to choose its configuration. Select "No configuration".

Alt Linux

To install RAIDIX ERA 4.0.0 on an Alt Linux:

1. Install eraraid-repo for your OS:

```
# curl -O  
https://pkg.raidix.com/repository/Repository/alt/sp8/kver-  
5.10/eraraid-repo-1.0.0-43.kver.5.10.noarch.rpm  
  
# apt-get update  
  
# apt-get install ./eraraid-repo-1.0.0-43.kver.5.10.noarch.rpm
```

2. Install eraraid-release.

These commands install RAIDIX ERA 4.0.0.

```
# apt-get update  
  
# apt-get install eraraid-release
```

Proxmox

To install RAIDIX ERA 4.0.0 on a Proxmox:

1. Install eraraid-repo for your OS:

```
# curl -O  
https://pkg.raidix.com/repository/Repository/proxmox/7/kver-  
5.11/eraraid-repo_1.0.0-29.kver.5.11_amd64.deb  
  
# apt update  
  
# apt install ./eraraid-repo_1.0.0-29.kver.5.11_amd64.deb
```

2. Install eraraid-release.

These commands install RAIDIX ERA 4.0.0.

```
# apt update  
  
# apt install eraraid-release
```



If you do not have the postfix package installed on your system, during the installation, you will be prompted to choose its configuration. Select "No configuration".

TESTING THE INSTALLATION

To ensure that the installation was successful, run

```
# eracli -v

# eracli raid show

# lsmod | grep eraraid
```

The first command shows the version of your RAIDIX ERA. If the version number is not 4.0.0, the installation was not successful.

The second command shows a table with RAIDs. The first time you call the command after the installation, the system prompts you to accept the EULA conditions. If you accept the conditions, the command outputs a list of created RAIDs in the form of a table. After the installation, the table is empty. If the output is not a table or there is no output, the installation was not successful.

The third command shows if module eraraid is loaded. If the output is empty, the installation was not successful.

After the installation, you can find the logs at `/var/log/rdxe/`.

If installation was not successful:

- check the kernel version;
- try reinstalling the RAIDIX ERA 4.0.0 packages.

If this does not help, please contact RAIDIX Support team: support@raidix.com.