



RAIDIX ERA 3.3 INSTALLATION GUIDE

Document version 1.0

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DOCUMENT PURPOSE

This document describes the distribution and instructions on installation of the RAIDIX ERA 3.3 software.

DISTRIBUTION DESCRIPTION

The RAIDIX ERA 3.3 distribution consists of four software packages for Linux OS.

- eraraid – the main functionality which is the driver for RAID arrays;
- eraraid-util – a user management utility for RAIDs and licenses;

The package type depends on your Linux distribution:

- rpm-packages for CentOS;
- deb-packages for Ubuntu.

To learn exact supported OS versions, see the document *RAIDIX ERA 3.3 System Requirements*.

DISTRIBUTION INSTALLATION

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

To properly install the required dependencies, access to the distribution package repositories is required (to learn more, see the document *RAIDIX ERA 3.3 System Requirements*).

To install ERA 3.3 with DKMS, your OS must have one of the packages

- kernel-devel (for CentOS, RHEL)
- kernel-default-devel (для OpenSUSE, SLES)
- kernel-uek-devel (for Oracle Linux)
- linux-headers (for Ubuntu, Debian)
- 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some OS distributions do not have such pre-installed package (and some repositories may not have package versions for out-of-date kernel versions).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-devel on CentOS 7.8 with the kernel 3.10.0-1127:

```
# yum install  
https://vault.centos.org/7.8.2003/os/x86_64/Packages/kernel-  
devel-3.10.0-1127.el7.x86_64.rpm
```

- Example command to install the package `kernel-uek-devel` on Oracle Linux 7.9 with the kernel 5.4.17-2036.100.6.1:

```
# yum install
https://yum.oracle.com/repo/OracleLinux/OL7/UEKR6/x86_64/getPackage/kernel-uek-devel-5.4.17-2036.100.6.1.el7uek.x86_64.rpm
```

- Example command to install the package `linux-headers` on Ubuntu 18.04 with the kernel 4.15.0-112-generic:

```
# apt install linux-headers-4.15.0-112-generic
```

- Example command to install the package `linux-headers` on Debian 10 with the kernel 4.19.0-12-amd64:

```
# apt install linux-headers-4.19.0-12-amd64
```

- Example command to install the package `pve-headers` on Proxmox 6.3 with the kernel 5.4.78-2-pve:

```
# apt install pve-headers-5.4.78-2-pve
```

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

1.1 Distribution archive extraction

To install RAIDIX ERA 3.3, unpack the archive with the distribution to a folder and go to the folder by running the following commands.

```
# tar xzf raidix_era.tar.gz
# cd raidix_era
```

1.2 Installation

To install RAIDIX ERA 3.3:

1. Run the installation script `installer.sh`, which is located in the archive with program packages.

```
# ./installer.sh
```

During its running, the script will:

- 1.1. ask you to accept the terms of the license agreement;
you will see the text of the agreement on your screen;
- 1.2. ask you to confirm the installation of DKMS;
- 1.3. check the presence of the required package with the kernel header files;

- 1.4. install the required dependencies from the repositories (to learn more, see the document *RAIDIX ERA 3.3 System Requirements*);
 - 1.5. install binary packages (DEB or RPM);
 - 1.6. ask to start the ERA services.
2. Reboot the system:

```
# reboot
```

INSTALLATION CHECK

To ensure that the packages were installed successfully, run:

```
# eraraid show
```

This command shows the list of created RAIDs in the table. After the installation, the table is empty. If the output is not table or there is no output, the installation was not successful.

If installation was not successful:

- check if all the required dependencies are satisfied;
- check the kernel version;
- try reinstalling the RAIDIX ERA 3.3 packages.

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