



RAIDIX ERA 2.0 INSTALLATION GUIDE

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DOCUMENT PURPOSE

This document describes the distribution and instructions on installation of the RAIDIX ERA 2.0 software.

DISTRIBUTION DESCRIPTION

The RAIDIX ERA 2.0 distribution consists of four software packages for Linux OS.

- *eraraid* – the main functionality which is the driver for RAID arrays;
- *eraraid-util* – user utility to manage RAIDs and licenses;
- *python3-terminaltables* – auxiliary package for management utility, responsible for ASCII tables in Command Line Interface (CLI);
- *python3-argcomplete* – auxiliary package for management utility, responsible for autocompleting in CLI.

The package type depends on your Linux distribution:

- rpm-packages for CentOS 7;
- deb-packages for Ubuntu 16.04 LTS and Ubuntu 18.04 LTS.

DISTRIBUTION INSTALLATION

The following steps are described for the root user. If you are not the root user, type `sudo` before each command. For example, type `sudo ./installer.sh` instead of `./installer.sh`.

1. Add repositories to set up dependencies in CentOS

To add the repository **epel** to install python34 and auxiliary packages, run:

```
yum install epel-release
```

2. Dependencies

To ensure full functionality of RAIDIX ERA 2.0, you must also install the following packages from the public repositories:

- `coreutils`;
- `nvme-cli`;
- `python34` for CentOS (`python3` for Ubuntu).

```
yum install coreutils nvme-cli python34
```

3. Support the kernel 4.11 in the CentOS 7 distributive

RAIDIX ERA 2.0 supports CentOS with kernels 3.10 and 4.11.

In order to install RAIDIX ERA 2.0 on CentOS with kernel **3.10**, no additional actions required. Proceed to the installation with chapter 4 *Distribution archive extraction*.

In order to install RAIDIX ERA 2.0 on CentOS with kernel **4.11**, install package with this kernel firstly. You can find this package in archive by name **kernel-ml-4.11.6-1.el7.elrepo.x86_64.rpm**. After the installation, set the kernel 4.11 loading by default via `grub2` configuration, then reboot the server and continue the installation.

```
yum localinstall kernel-ml-4.11.6-1.el7.elrepo.x86_64.rpm

grub2-set-default 'CentOS Linux (4.11.6-1.el7.elrepo.x86_64) 7
(Core) '

grub2-mkconfig -o /boot/grub2/grub.cfg

reboot
```

4. Distribution archive extraction

To install RAIDIX ERA 2.0, 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
```

5. Installation

To install RAIDIX ERA 2.0, run the installation script **installer.sh**, which is located in the archive with program packages.

```
./installer.sh
```

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 succesful:

- check if all the required dependencies are satisfied;
- check the kernel version;
- try reinstalling the RAIDIX ERA 2.0 packages.

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