



ERA 3.1 TO ERA 3.2 UPDATE INSTRUCTIONS

Document version 1.0

UPDATE WITH RPM

1. Make sure your system meets the requirements listed in the document *RAIDIX ERA 3.2 System Requirements*.
2. Unmount file system stored on era_raid:

```
# umount /dev/era_raid
```

3. Make sure all RAIDs have “online” or “online, initialized” states.
4. Prepare the system for an update:

- Create a folder *era_updater* and put in it the following files¹:
 - Updating script *updater3.py*;
 - ERA 3.1 RPM packages: *eraraid-3.1**, *eraraid-util-3.1**;
 - ERA 3.2 RPM packages: *eraraid-3.2**, *eraraid-util-3.2**;
- Install the *sg3_utils* package:

```
# yum install sg3_utils
```

- If you are updating to the DKMS version:
 - Install the *dkms* package:

```
# yum install dkms
```

- Your OS must have a kernel-devel package with the headers of your current Linux kernel version. Note that some OS distributions do not have such package (and some repositories may not have package versions for out-of-date kernel versions).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 kernel-devel 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
```

5. Change the directory to the *era_updater* and run the command

```
# python3 updater3.py --rpm
```

6. Wait until the update is complete.

¹ To get the update file and RPM packets, send a request at support@raidix.com.

UPDATE WITH DEB

1. Make sure your system meets the requirements listed in the document *RAIDIX ERA 3.2 System Requirements*.
2. Unmount file system stored on era_raid:

```
# umount /dev/era_raid
```

3. Make sure all RAIDs have “online” or “online, initialized” states.
4. Prepare the system for an update:

- Create a folder *era_updater* and put in it the following files²:
 - Updating script *updater3.py*;
 - ERA 3.1 DEB packages: *eraraid-3.1**, *eraraid-util-3.1**;
 - ERA 3.2 DEB packages: *eraraid-3.2**, *eraraid-util-3.2**;
- Install the *sg3-utils* package:

```
# apt install sg3-utils
```

- If you are updating to the DKMS version:
 - Install the *dkms* package:
- Your OS must have a *linux-headers* package with the headers of your current Linux kernel version. Note that some OS distributions do not have such package (and some repositories may not have package versions for out-of-date kernel versions).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 *linux-headers* package for your kernel version.

Example command to install the package *linux-devel*:

```
# apt install linux-headers-$(uname -r)
```

5. Change the directory to the *era_updater* and run the command

```
# python3 updater3.py --deb
```

6. Wait until the update is complete.

² To get the update file and DEB packets, send a request at support@raidix.com.

UPDATE FEATURES

While updating, the script performs the following operations:

1. Creates a backup of the configuration file.
2. Stops ERA services, unloads RAIDs from the system.
3. Deletes old RPM packages.
4. Installs new RPM packages.
5. Starts ERA services, reloads RAIDs.
6. Updates the configuration file.
7. Collects logs.

If an error occurs during the update, the script will try to restore the system to the initial state with ERA 3.1. Send collected logs to RAIDIX Support Department.

After the update finished, the script will collect update logs into a **.tar.gz* file.