



RAIDIX ERA 3.4.0 OR ERA 3.4.1 TO RAIDIX ERA 3.4.2 UPDATE INSTRUCTIONS

Document version 1.0

INTRODUCTION

To update to RAIDIX ERA 3.4.2, use one of the chapters in this manual:

- For OS distributions that use the RPM package format (except SUSE and SLES) see the chapter "Updating Systems with RPM."
Operating systems: ALT, RHEL, CentOS, Oracle.
- For OS distributions that use the DEB package format – the chapter "Updating Systems with DEB."
Operating systems: Ubuntu, Proxmox, Debian.
- For SUSE and SLES see the chapter "Updating SUSE/SLES."

The details of the update script operation are described in the "Update Features" chapter.

UPDATING SYSTEMS WITH RPM

1. Make sure your system meets the requirements listed in the document *RAIDIX ERA 3.4.2 System Requirements*.
2. Make sure all RAIDs are in the state “*online*” or “*online, initialized*”.
3. Prepare the system for the update:

- Unpack the archive with the RAIDIX ERA 3.4.2 updater for your OS (*era-updater-3.4.0-3.4.2-*.tar.gz*) and go to the corresponding directory:

```
# tar xzf </path/to/archive_name>
```

- Install the *sos* package:

If you are updating RAIDIX ERA 3.4.0, skip this step.

```
# yum install sos
```

- If you are updating to the DKMS version:

- Make sure the *dkms* package is installed or install it:

```
# yum install dkms
```

- Make sure the *kernel-devel* package with the headers of your current Linux kernel version is installed or install it:



Some OS distributions do not have such package (and some repositories may not have package versions for out-of-date kernel versions).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 should find the package or the repository containing it for your kernel version yourself.

```
# yum install kernel-devel-$(uname -r)
```

4. Stop using ERA devices before the update is complete:

- Unmount the file systems from all ERA RAIDs:

```
# umount /dev/era_<raid_name>
```

- Stop other applications that are using ERA RAIDs.

5. Start the update with

```
# cd era_updater/
```

```
# python3 updater-3.4-3.4.2.py --rpm
```

Wait until the update is complete.

6. You can resume using the ERA devices:

- Mount the file systems that was unmounted at step 4.
- Start the applications that was stopped at step 4.

UPDATING SYSTEMS WITH DEB

1. Make sure your system meets the requirements listed in the document *RAIDIX ERA 3.4.2 System Requirements*.
2. Make sure all RAID devices are in the state “*online*” or “*online, initialized*”.
3. Prepare the system for the update:

- Unpack the archive with the RAIDIX ERA 3.4.2 updater for your OS (*era-updater-3.4.0-3.4.2-*.tar.gz*) and go to the corresponding directory:

```
# tar xzf </path/to/archive_name>
```

- Install the *sosreport* package:

If you are updating RAIDIX ERA 3.4.0, skip this step.

```
# yum install sosreport
```

- If you are updating to the DKMS version:

- Make sure the *dkms* package is installed or install it:

```
# yum install dkms
```

- Make sure the *linux-headers* package with the headers of your current Linux kernel version is installed or install it:



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 should find the package or the repository containing it for your kernel version yourself.

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

4. Stop using ERA devices before the update is complete:

- Unmount the file systems from all ERA RAID devices:

```
# umount /dev/era_<raid_name>
```

- Stop other applications that are using ERA RAID devices.

5. Start the update with

```
# cd era_updater/
```

```
# python3 updater-3.4-3.4.2.py --deb
```

Wait until the update is complete.

6. You can resume using the ERA devices:

- Mount the file systems that was unmounted at step 4.
- Start the applications that was stopped at step 4.

UPDATING SUSE/SLES

1. Make sure your system meets the requirements listed in the document *RAIDIX ERA 3.4.2 System Requirements*.
2. Make sure all RAID devices are in the state “*online*” or “*online, initialized*”.
3. Prepare the system for the update:

- Unpack the archive with the ERA 3.4.2 updater for your OS (*era-updater-3.4.0-3.4.2-*.tar.gz*) and go to the corresponding directory:

```
# tar xzf </path/to/archive_name>
```

- Install the *supportutils* package:

If you are updating RAIDIX ERA 3.4.0, skip this step.

```
# zypper install supportutils
```

- If you are updating to the DKMS version:

- Make sure the *dkms* package is installed or install it:

```
# zypper install dkms
```

- Make sure the *kernel-default-devel* package with the headers of your current Linux kernel version is installed or install it:



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 should find the package or the repository containing it for your kernel version yourself.

```
# zypper install kernel-default-devel-$(uname -r)
```

4. Stop using ERA devices before the update is complete:

- Unmount the file systems from all ERA RAID devices:

```
# umount /dev/era_<raid_name>
```

- Stop other applications that are using ERA RAID devices.

5. Start the update with

```
# cd era_updater/
```

```
# python3 updater-3.4-3.4.2.py --rpm
```

Wait until the update is complete.

6. You can resume using the ERA devices:

- Mount the file systems that was unmounted at step 4.
- Start the applications that was stopped at step 4.

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. Collects logs.

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