



# RAIDIX ERA 3.4.1 SYSTEM REQUIREMENTS

Document version 1.0

## DOCUMENT PURPOSE

This document contains information on hardware and software components compatible with RAIDIX ERA 3.4.1 and consists of two sections:

- Hardware requirements.
- Software requirements.

## HARDWARE REQUIREMENTS

Component	Requirements
Processor	AVX support
RAM	Minimum 8 GiB

## SOFTWARE REQUIREMENTS

Software component	Requirements
Operating System <sup>1</sup> (Distribution)	<ul style="list-style-type: none"> <li>• RHEL/CentOS 7.8;</li> <li>• RHEL/CentOS 7.9;</li> <li>• RHEL/CentOS 8.4;</li> <li>• RHEL/CentOS 8.5;</li> <li>• OpenSUSE 15.3;</li> <li>• SLES 15 SP3;</li> <li>• Oracle Linux 8.4;</li> <li>• Oracle Linux 8.5;</li> <li>• Ubuntu 18.04.5 LTS;</li> <li>• Ubuntu 20.04.1 LTS;</li> <li>• Ubuntu 20.04.1 HWE;</li> <li>• Proxmox 7.0;</li> <li>• ALT 8 SP r9.</li> </ul>
Linux kernel	<p>RHEL/CentOS 7.8 or 7.9:</p> <ul style="list-style-type: none"> <li>• kernel-3.10.0-1127.el7.x86_64 or higher within the patch versions<sup>2</sup>.</li> </ul> <p>RHEL/CentOS 8.4 or 8.5:</p> <ul style="list-style-type: none"> <li>• kernel-4.18.0-193.el8.x86_64 or higher within the patch versions<sup>2</sup>.</li> </ul> <p>OpenSUSE 15.3/SLES 15 SP3:</p> <ul style="list-style-type: none"> <li>• kernel-default-5.3.18-57 or higher within the patch versions<sup>2</sup>.</li> </ul> <p>Oracle Linux 8.4 or 8.5:</p> <ul style="list-style-type: none"> <li>• kernel-5.4.17-2036.100.6.1.el8uek.x86_64 or higher within the patch versions<sup>2</sup>.</li> </ul> <p>Ubuntu 18.04.5 LTS:</p> <ul style="list-style-type: none"> <li>• kernel-4.15.0-112-generic or higher within the patch versions<sup>2</sup>.</li> </ul>

Software component	Requirements
	Ubuntu 20.04.1 LTS: <ul style="list-style-type: none"><li>• kernel-5.4.0-54-generic or higher within the patch versions<sup>2</sup>.</li><li>• kernel-5.8.0-50-generic or higher within the patch versions<sup>2</sup>.</li></ul> Ubuntu 20.04.1 HWE: <ul style="list-style-type: none"><li>• kernel-5.13.0-19-generic or higher within the patch versions<sup>2</sup>.</li></ul> Proxmox 7.0: <ul style="list-style-type: none"><li>• kernel-5.11.22-1-pve or higher within the patch versions<sup>2</sup>.</li></ul> ALT 8 SP r9: <ul style="list-style-type: none"><li>• kernel-image-std-def-5.4.113-alt0.c9f.x86_64.</li></ul>
Software packages	<ul style="list-style-type: none"><li>• coreutils;</li><li>• dkms;</li><li>• gcc;</li><li>• make;</li><li>• kernel-devel (CentOS, RHEL);</li><li>• kernel-default-devel (OpenSUSE, SLES);</li><li>• kernel-uek-devel (Oracle Linux);</li><li>• linux-headers (Ubuntu, Debian);</li><li>• pve-headers (Proxmox);</li><li>• python3 (3.5 и выше);</li><li>• python3-argcomplete;</li><li>• python3-grpcio;</li><li>• python3-grpcio-tools;</li><li>• python3-protobuf;</li><li>• python3-pyudev;</li><li>• python3-terminaltables;</li><li>• nvme-cli;</li><li>• sg3-utils;</li><li>• smartmontools;</li><li>• udev;</li><li>• ledmon.</li></ul>

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<sup>1</sup> Support of other Linux distributions and custom user kernels may be provided on request ([request@raidix.com](mailto:request@raidix.com)).

<sup>2</sup> For the kernel module **eraraid with DKMS**:

The kernel module *eraraid* uses DKMS (Dynamic Kernel Module Support) technology and is automatically built and is installed for the specified version of the Linux kernel or higher, but only within the patch versions (without kernel API or ABI changes). Patch update examples:

- 3.10.0-**1062**.el7.x86\_64 >> 3.10.0-**1127**.el7.x86\_64;
- 4.15.0-**112**-generic >> 4.15.0-**124**-generic.

Headers of your current kernel version are required to install the kernel module *eraraid*.

If you update the kernel, you need headers for the new kernel version.

Do not update the kernel more than a patch update (with kernel API or ABI changes) because the kernel module *eraraid* will not be loaded. For example:

- 4.15.0-112-generic >> 4.**18**.0-13-generic;
- 4.15.0-112-generic >> 5.4.0-26-generic.

For the kernel module **eraraid without DKMS**:

The kernel module *eraraid* is installed only for the specified version of the Linux kernel. The kernel module *eraraid* will not be loaded after a system kernel update.