

How to check the RAID configuration on Linux/Unix systems

Linux based systems support both Hardware and Software based RAID systems. So there are times that we want to check the RAID configuration through the operating system. With Linux this is possible to analyze the configuration with the help of **mdstat** file.

So, to check the RAID configuration you can simply cat the following files;

- `cat /etc/mdadm.conf`
- `cat /proc/mdstat`

Once the above configuration is analyzed, you will end up with the following specific results;

- **md125** – RAID device file name
- **active raid10** – RAID type
- **sde3[3] sdb3[2] sdc3[1] sdd3[4] sda3[0]** – RAID device named /dev/md125 made of five partitions (also known as “component device”)
- **[UUUUU]** – Shows status of each device of raid member disk/partition. The “U” means the device is healthy and up/running. The “_” means the device is down or damaged

If you want to determine whether a specific device is a RAID device or a component device, you may execute below;

- `mdadm -query /dev/DEVICE`
- `mdadm -query /dev/md125`
- `mdadm -query /dev/md12{5,6,7}`

If you want to see info about component device named /dev/sdd3, run:

Example: # `mdadm -examine /dev/sdd3`

H0 iLO License Activation Keys

As we all know, there are several types of License types and iLO versions;

Versions : iLO1 / iLO2 / iLO3 / iLO4 / iLO5

License Types: iLO Standard / iLO Essentials / iLO Advanced

The screenshot shows the iLO 4 web interface. The top navigation bar includes the Hewlett Packard Enterprise logo, the text 'iLO 4', and links for 'HOME' and 'SIGN OUT'. Below the navigation bar is a sidebar menu with options: 'Expand All', 'Information', 'iLO Federation', 'Remote Console', 'Virtual Media', 'Power Management', 'Network', 'Remote Support', and 'Administration'. The main content area is titled 'Licensing' and contains a 'Current License Status' section. This section displays a table with columns for 'License', 'Status', and 'Activation Key'. The current license is 'iLO Advanced' with a status of 'OK'. Below this is a section titled 'Enter License Activation Key' with a note: 'Note: When a new license activation key is installed, the current key is replaced by the new key.' There are five input fields for the activation key and an 'Install' button. At the bottom of the interface, there are status indicators for 'POWER: ON' and 'UID: OFF'.

The below License keys will work on most of the HP Server systems (based on a trial mode)

iLO Standard Trial License Key:

34T6L-4C9PX-X8D9C-GYD26-8SQWM

iLO 1 Advanced License Keys:

247RH-ZPJ8S-7B17D-FCE55-DDD17

iLO 2/3/4 Advanced License Keys:

35DPH-SVSXJ-HGBJN-C7N5R-2SS4W

35SCR-RYLML-CBK7N-TD3B9-GGBW2