



Rocky Enterprise Linux 9.2 Manual Pages on command 'chcpu.8'

C:\>man chcpu.8

CHCPU(8) System Administration CHCPU(8)

NAME

chcpu - configure CPUs

SYNOPSIS

chcpu -c|-d|-e|-g cpu-list

chcpu -p mode

chcpu -r|-h|-V

DESCRIPTION

chcpu can modify the state of CPUs. It can enable or disable CPUs, scan for new CPUs, change the CPU dispatching mode of the underlying hypervisor, and request CPUs from the hypervisor (configure) or return CPUs to the hypervisor (deconfigure).

Some options have a cpu-list argument. Use this argument to specify a comma-separated list of CPUs. The list can contain individual CPU addresses or ranges of addresses. For example, 0,5,7,9-11 makes the command applicable to the CPUs with the addresses 0, 5, 7, 9, 10, and 11.

OPTIONS

-c, --configure cpu-list

Configure the specified CPUs. Configuring a CPU means that the hypervisor takes a CPU from the CPU pool and assigns it to the virtual hardware on which your kernel runs.

-d, --disable cpu-list

Disable the specified CPUs. Disabling a CPU means that the kernel sets it offline.

`-e, --enable cpu-list`

Enable the specified CPUs. Enabling a CPU means that the kernel sets it online. A CPU must be configured, see `-c`, before it can be enabled.

`-g, --deconfigure cpu-list`

Deconfigure the specified CPUs. Deconfiguring a CPU means that the hypervisor removes the CPU from the virtual hardware on which the Linux instance runs and returns it to the CPU pool. A CPU must be offline, see `-d`, before it can be deconfigured.

`-p, --dispatch mode`

Set the CPU dispatching mode (polarization). This option has an effect only if your hardware architecture and hypervisor support CPU polarization.

Available modes are:

`horizontal` The workload is spread across all available CPUs.

`vertical` The workload is concentrated on few CPUs.

`-r, --rescan`

Trigger a rescan of CPUs. After a rescan, the Linux kernel recognizes the new CPUs. Use this option on systems that do not automatically detect newly attached CPUs.

`-V, --version`

Display version information and exit.

`-h, --help`

Display help text and exit.

RETURN CODES

`chcpu` has the following return codes:

0 success

1 failure

64 partial success

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SEE ALSO

lscpu(1)

AVAILABILITY

The chcpu command is part of the util-linux package and is available from Linux

Kernel Archive ?<https://www.kernel.org/pub/linux/utils/util-linux/>?

util-linux

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