

**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

**AUTHOR**

[Heiko Carstens](#)

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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](#).