Red Hat Enterprise Linux Release 9.2 Manual Pages on 'chcpu.8' command

$ 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.

EXIT STATUS

chcpu has the following exit status values:

0

success

1

failure

64

> partial success

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SEE ALSO

lscpu(1)

REPORTING BUGS

For bug reports, use the issue tracker at

https://github.com/karelzak/util-linux/issues.

AVAILABILITY

The chcpu command is part of the util-linux package which can be

downloaded from Linux Kernel Archive

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

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