

Nice value (Lowest the value, Highest the priority)

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Whenever Multiple process run simultanously priority to run those processes becomes an important point to run a high priority process first.

How to check nice value

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ps -eal or top command will display the value in NI column

It's value ranges from -20 to 20(on most unix like operating systems)

nice value only controls CPU time assigned to process and not utilisation of memory and I/O devices

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nice and renice command

nice command is used to start a process with specified nice value, which renice command is used to alter priority of running process.

# to set nice value of a bash shell (super user)

nice -n -5 bash

# renice command

To alter priority of running process.

renice value PID

renice 5 <pid>

-20 most priority

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least priority