

PROCESS STATE CODES

Here are the different values that the s, stat and state output specifiers (header "STAT" or "S") will display to describe the state of a process.

- D Uninterruptible sleep (usually IO)
- R Running or runnable (on run queue)
- S Interruptible sleep (waiting for an event to complete)
- T Stopped, either by a job control signal or because it is being traced.
- W paging (not valid since the 2.6.xx kernel)
- X dead (should never be seen)
- Z Defunct ("zombie") process, terminated but not reaped by its parent.

For BSD formats and when the stat keyword is used, additional characters may be displayed:

- < high-priority (not nice to other users)
- N low-priority (nice to other users)
- L has pages locked into memory (for real-time and custom IO)
- s is a session leader
- l is multi-threaded (using CLONE_THREAD, like NPTL pthreads do)
- + is in the foreground process group