

Process and Load Monitoring Utilities

Utility	Purpose	Package
top	Process activity, dynamically updated	procps
uptime	How long the system is running and the average load	procps
ps	Detailed information about processes	procps
pstree	A tree of processes and their connections	psmisc (or pstree)
mpstat	Multiple processor usage	sysstat
iostat	CPU utilization and I/O statistics	sysstat
sar	Display and collect information about system activity	sysstat
numastat	Information about NUMA (Non-Uniform Memory Architecture)	numactl

strace	Information about all system calls a process makes	strace
--------	--	--------

Memory Monitoring Utilities

Utility	Purpose	Package
free	Brief summary of memory usage	procps
vmstat	Detailed virtual memory statistics and block I/O, dynamically updated	procps
pmap	Process memory map	procps

I/O Monitoring Utilities

Utility	Purpose	Package
iostat	CPU utilization and I/O statistics	sysstat
iotop	I/O statistics including per process	iotop
sar	Display and collect information about system activity	sysstat
vmstat	Detailed virtual memory statistics and block I/O, dynamically updated	procps

Network Monitoring Utilities

Utility	Purpose	Package
netstat	Detailed networking statistics	netstat
iptraf	Gather information on network interfaces	iptraf
tcpdump	Detailed analysis of network packets and traffic	tcpdump
wireshark	Detailed network traffic analysis	wireshark