

Processes & Services

Basic Definitions

- Application
- Script
- Process
- Daemon
- Thread
- Job

Monitoring and Management

command	example	fu
fdisk	fdisk -l	di -l
df	df -h	fil
du	du -sh /var/log	si:
uptime	uptime -p	sh pā
top	top -h	di
free	free -h	di (h
lsof	lsof -l :80	lis
tcpdump	tcpdump -i eth0	ca
ps	ps -ef --forest	cl
kill	kill 34448	te

top

PID	USER	PR	NI	VIRT	RES	SHR	S	%
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top columns

PID	id
USER	owner
PR	focus priority
NI	the nice value
VIRT	amount of virtual memory i
RES	amount of resident memory
SHR	amount of shared memory i

S	status of the process
%CPU	share of CPU time since last
%MEM	share of physical memory in
TIME+	total cpu time used (hundre
COMMAND	name of the command or p

Services & Daemons

systemctl --version	Check if systemd is installed
ps -ef grep system	check if systemd is running
systemctl --all	check all running services
systemctl status/stop/start/restart application.service	status/start/stop/restart app
systemctl reload application.service	reload the config of a servic
systemctl enable/disable application.service	enable or disable at boot
systemctl mask/unmask application.service	enable or disable completel

Logs

/var/log	log directory
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Log Examples

- boot (overwrites upon boot)
- chonyd / ntp
- cron
- maillog
- secure
- messages
- httpd

Technical Support and Analyse Server

sos report	collect logs and configuratio enter case ID compressed archive saved t mm-dd-filename.tar.xz
cockpit	web based server administr can monitor system resourc and perform other tasks also available centos redha
ping www.google.com	verify internet connectivity
rpm -qa grep cockpit	verify cockpit package is in
yum/dnf install cockpit -y	install cockpit (Red Hat, Cen
apt-get install cockpit	install cockpit (Debian, Ubu

systemctl start/enable cockpit.socket	relies on socket activation to enable socket listener which when someone tries to connect
systemctl status cockpit	verify
systemctl status cockpit.socket	verify
https://192.168.50.164:9090	firewall may need to be disabled access the web-interface log in with root or system user can be used to manage everything

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