

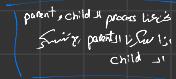
# process

## CPU, memory

P1D

## process tree

## Parent and child process



- listing process
  - Kill process
  - foreground and background process
  - change process priority

## \* listing process

**> ps -e** Show all processes on system

> pgrep process-name process كم تكرر؟

> Firefox go play Firefox in background

> top show process in real time

\* kill process

> Kill process\_number  
what happened?

① I send a signal to process.

```
> kill -l
```

to list all kill signal types

ignore kill ↳ process 11111 \*

> kill process\_number -9

> pkill -SIG process\_name

\* - kill for process-ID  
kill for process-Name

\* foreground & background

وقت تسمى الـ background .  
يمكن أسماع .

\* SIGStop: 19 = ctrl + Z  
to stop a process, not kill

> fg %process\_ID      foreground task(s)  
  |> new process  
  • command(s)

> jobs

Show all jobs.

```
>nice -n -9 firefox
```

give a program higher or lower priority

```
> renice -n -15 -p process_ID
```

## Change process priority

## \* package Management

How to get packages?

- ① from any websites
- ② from source DVD
- ③ online repositories
- ④ local repositories  
on your machine.

/run/medium/root/DVD

CentOS: free, Fedora: free, RHN: \$

program work on the three  
because it is compatible  
with rpm

## \* package manager :

- ① rpm
- ② yum

①

> rpm -q nmap <sup>query</sup> check if installed

> rpm -q --all list all installed packages

> rpm -q --all | wc -l . package { } of { } is

> rpm -i -v -h nmap

install      show me installation steps      Basic steps: install

> rpm -e nmap <sub>erase</sub> uninstall nmap

②

install X but X depends on another package  
so rpm can not install dependent package, so yum  
will do that.

Yum will install X and their dependent packages.

# Configure local repo

① copy from DVD packages

② configure your system to use local repo.

/etc/yum.repos.d/myrepo.repo

here where repos  
are stored.

extension is important

configure Local Repo

copy from DVD Packages

```
[root@Server1 ~]# mkdir /myrepo
[root@Server1 ~]# cp -r /run/media/root/RHEL-8-1-0-BaseOS-x86_64/AppStream /myrepo
[root@Server1 ~]# cp -r /run/media/root/RHEL-8-1-0-BaseOS-x86_64/BaseOS /myrepo
```

- AppStream for Applications (VMware...)

- BaseOS for System Services (DHCP...)

configure your system to use local repo

```
[root@Server1 ~]# vim /etc/yum.repos.d/myrepo.repo
```

repo file      Configuration File

```
[AppStream]
name=AppStream
name=AppStream
baseurl=file:/myrepo/AppStream
enabled=1
gpgcheck=0
```

repo file      Configuration File

```
[BaseOS]
name=BaseOS
baseurl=file:/myrepo/BaseOS
enabled=1
gpgcheck=0
```

```
test
yum install package
yum search package
yum info package
yum remove package
yum update package
```

yum install package -y

- Cloud
- main System
- CISCO
- Linux K
- Shell scripting