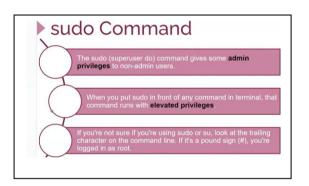
<u>Session 2 -Linux Environment Variables/ Using Package Managers- Aslan</u> <u>5/11/2023Page</u>

Session 3 - Managing Users and Groups - Aslan 5/17/2023Page

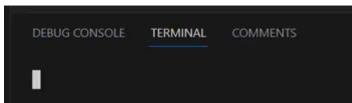
Table of Contents

- sudo Command (recap)
- Basic User Commands
- User Management
- User Passwords
- Group Management



Commands	Meaning	
sudo -l	List available commands.	
sudo command	Run command as root.	
sudo -u root command	Run command as root.	
sudo -u user command	Run command as user.	
sudo su	Switch to the superuser account.	
sudo su -	Switch to the superuser account with root's environment.	
sudo su - username	Switch to the username's account with the username's environment.	
sudo -s	Start a shell as root	
sudo -u root -s	Same as above.	
sudo -u user -s	Start a shell as user.	

export PS1="\e[1;36m[\u@\h \W]\\$\e[0m" ekrandaki yazıyı mavi renk yapma



Böyle boş bir ekran geldi ne yağacağız?

- * Nerdeyiz diye bakacağımız zaman #pwd komutu kullanmak lazım.
- * #whoami dediğimiz zaman hengi kullanıcıdayız onu veriyor.
- * sudo su root a gitti
- *sudo ec2-user roottan çıktı ec2 user geldi.

```
[root@ip-172-31-22-51 ec2-user]# sudo su -
*sudo su -
*
```

42 who # open a new shell and retry who command to see the users who logged in.

who

```
clarusway@DESKTOP-UN6T2ES:~$ who root pts/0 2019-11-10 23:07 (10.104.33.101) james pts/1 2019-11-10 23:30 (10.104.33.101) john pts/2 2019-11-10 23:34 (10.104.33.96) clarusway pts/3 2019-11-10 23:39 (10.104.33.91) clarusway@DESKTOP-UN6T2ES:~$
```

*sisteme kimin bağlandığını detaylı bir şekilde görebiliyoruz.

AY

Who is logged on the

**Whoami, who, w harf azaldıkça detay artıyor.

```
[ec2-user@ip-172-31-22-51 ~]$id
uid=1000(ec2-user) gid=1000(ec2-user) groups=1000(ec2-user),4(adm),10(wheel),190(systemd-journal) context=unconfine
d_u:unconfined_r:unconfined_t:s0-s0:c0.c1023
```

**İçinde bulunduğum kullanıcın bilgilerini veriyor.

```
[ec2-user@ip-172-31-22-51 ~]$id root
uid=0(root) gid=0(root) groups=0(root)
```

** root kullanıcının bilgileri. Group user id 0 gördüğünüz gibi.

```
[ec2-user@ip-172-31-22-51 ~]$sudo su
 [root@ip-172-31-22-51 ec2-user]# 🗍
 [root@ip-172-31-22-51 ec2-user]# useradd user1
 [root@ip-172-31-22-51 ec2-user]# id user1
 uid=1001(user1) gid=1001(user1) groups=1001(user1)
 [root@ip-172-31-22-51 ec2-user]# |
 [root@ip-172-31-22-51 ec2-user]# su ec2-user
 [ec2-user@ip-172-31-22-51 ~]$ [
 [ec2-user@ip-172-31-22-51 ~]$useradd user1
 useradd: user 'user1' already exists
 [ec2-user@ip-172-31-22-51 ~]$
 [ec2-user@ip-172-31-22-51 ~]$sudo su user1
 [user1@ip-172-31-22-51 ec2-user]$ ||
[ec2-user@ip-172-31-18-233 ~]$ sudo su (-) user1
 [user1@ip-172-31-18-233 ~]$
- yazdığımız zaman varsa şifre falan istemeden user1 geçiş yapar.
[user1@ip-172-31-22-51 ec2-user]$exit
exit
[ec2-user@ip-172-31-22-51 ~]$
                                             user1 den cıktı.
 [ec2-user@ip-172-31-22-51 ~]$sudo su
 [root@ip-172-31-22-51 ec2-user]# [
                                        sudo su ile root oldum.
[ec2-user@ip-172-31-22-51 ~]$sudo su
[root@ip-172-31-22-51 ec2-user]# useradd user2
[root@ip-172-31-22-51 ec2-user]# whoami
root
[root@ip-172-31-22-51 ec2-user]# psswd user2
bash: psswd: command not found
[root@ip-172-31-22-51 ec2-user]# passwd user2
Changing password for user user2.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
[root@ip-172-31-22-51 ec2-user]# 🗌
```

```
[root@ip-172-31-22-51 ec2-user]# su - user2
[user2@ip-172-31-22-51 ~]$ pwd
/home/user2
[user2@ip-172-31-22-51 ~]$ whoami
user2
[user2@ip-172-31-22-51 ~]$ []
```

```
[user2@ip-172-31-22-51 ~]$ passwd
Changing password for user user2.
Current password:
New password:
BAD PASSWORD: The password is shorter than 8 characters
New password:
BAD PASSWORD: The password is shorter than 8 characters
New password:
New password:
Retype new password:
,passwd: all authentication tokens updated successfully.
[user2@ip-172-31-22-51 alf
```

User management





```
[user2@ip-172-31-22-51 ec2-user]$ exit
exit
[root@ip-172-31-22-51 ec2-user]# whoami
root
[root@ip-172-31-22-51 ec2-user]# su - ec2-user
Last login: Thu May 18 13:18:12 UTC 2023 from 94.54.60.209 on pts/1
Last failed login: Thu May 18 13:36:47 UTC 2023 on pts/1
There was 1 failed login attempt since the last successful login.
[ec2-user@ip-172-31-22-51 ~]$ []
```

```
[ec2-user@ip-172-31-22-51 ~]$ cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/:/sbin/nologin
dbus:x:81:81:System message bus:/:/sbin/nologin
systemd-network:x:192:192:systemd Network Management:/:/usr/sbin/nologin
systemd-oom:x:999:999:systemd Userspace OOM Killer:/:/usr/sbin/nologin
systemd-resolve:x:193:193:systemd Resolver:/:/usr/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/sbin/nologin
rpc:x:32:32:Rpcbind Daemon:/var/lib/rpcbind:/sbin/nologin
libstoragemgmt:x:997:997:daemon account for libstoragemgmt:/:/usr/sbin/nol
systemd-coredump:x:996:996:systemd Core Dumper:/:/usr/sbin/nologin
systemd-timesync:x:995:995:systemd Time Synchronization:/:/usr/sbin/nologi
ec2-instance-connect:x:994:994::/home/ec2-instance-connect:/sbin/nologin
rpcuser:x:29:29:RPC Service User:/var/lib/nfs:/sbin/nologin
chrony:x:993:993:chrony system user:/var/lib/chrony:/sbin/nologin
tcpdump:x:72:72::/:/sbin/nologin
ec2-user:x:1000:1000:EC2 Default User:/home/ec2-user:/bin/bash
user1:x:1001:1001::/home/user1:/bin/bash
user2:x:1002:1002::/home/user2:/bin/bash
[ec2-user@ip-172-31-22-51 ~]$ ||
```

Userların database bilgisi. Cat /etc/passwd önemli bir komut.

```
[ec2-user@ip-172-31-22-51 ~]$ cat /etc/passwd | tail -3
ec2-user:x:1000:1000:EC2 Default User:/home/ec2-user:/bin/bash
user1:x:1001:1001::/home/user1:/bin/bash
user2:x:1002:1002::/home/user2:/bin/bash
[ec2-user@ip-172-31-22-51 ~]$ []
```

Kullanıcılar. Neden tail -3 yaptık az önce son 3 satır bu olduğu için.

```
clarusway@DESKTOP-UN6T2ES:~$ tail -5 /etc/passwd
clarusway:x:1000:1000:,,,:/home/clarusway:/bin/bash
john:x:1002:1002:john,room,work,home,other:/home/john:/bin/bash
oliver:x:1003:1003:oliver,room_1,work_1,home_1:/home/oliver:/bin/bash
aaron:x:1001:1001:aaron,,,:/home/aaron:/bin/bash
james:x:1005:1009:james,,,:/home/james:/bin/bash
clarusway@DESKTOP-UN6T2ES:~$
```

Bu tail -5 demiş çünkü 5 tane oluşturmuş.

```
[ec2-user@ip-172-31-22-51 ~]$ sudo useradd user3
[ec2-user@ip-172-31-22-51 ~]$ cat /etc/passwd
```

User3 kullanıcısı ekledik tabiî ki sudo komutuyla, daha sonra eklemişmiyiz diye cat /etc/passwd komutuyla baktık.

```
[ec2-user@ip-172-31-22-51 ~]$ cd /
[ec2-user@ip-172-31-22-51 /]$ cd_home
[ec2-user@ip-172-31-22-51 home]$ ls
ec2-user user1 user2 user3
[ec2-user@ip-172-31-22-51 home]$ [
```

cd etc ile etc dosyalarına gir

```
_/m/
[ec2-user@ip-172-31-22-51 etc]$ cat login.defs
```

Kullanıcılarımızın config dosyalarının olduğu yer.

```
# command-line.
#
CREATE_HOME yes
```

Bu default olarak yes geldiği için home klasörü

yapabiliyoruz.

```
[ec2-user@ip-172-31-22-51 etc]$ sudo vim login.defs
yes olan
```

```
[ec2-user@ip-172-31-22-51 etc]$ sudo useradd user4
[ec2-user@ip-172-31-22-51 etc]$ cat /etc/passwd
```

```
user4:x:1004:1004::/home/user4:/bin/bash
user4 de oluşturulmuş görmüş
olduk.
```

```
[ec2-user@ip-172-31-18-233 ~]$ ls /home
ec2-user user1 user2 user3
[ec2-user@ip-172-31-18-233 ~]$ sudo su - user4
su: warning: cannot change directory to /home/user4: No such file or directory
[user4@ip-172-31-18-233 ec2-user]$ whoami
user4
[user4@ip-172-31-18-233 ec2-user]$ ■ I
```

User4 geçecek ama kendi ortamı olmayacak. (1. Saat 31. Dakikada anlatmış hoca)

```
[ec2-user@ip-172-31-22-51 ~]$ sudo useradd -m user5
[ec2-user@ip-172-31-22-51 ~]$ ls /home
ec2-user user1 user2 user3 user4 user5
[ec2-user@ip-172-31-22-51 ~]$ sudo useradd -m -d /home/userALTI user6
[ec2-user@ip-172-31-22-51 ~]$ sudo useradd -m -d /home/userALTI user6
[ec2-user@ip-172-31-22-51 ~]$ tail -6 /etc/passwd
user1:x:1001:1001::/home/user1:/bin/bash
user2:x:1002:1002::/home/user2:/bin/bash
user3:x:1003:1003::/home/user3:/bin/bash
user4:x:1004:1004::/home/user4:/bin/bash
user5:x:1005:1005::/home/user5:/bin/bash
user6:x:1006:1006::/home/userALTI:/bin/bash
[ec2-user@ip-172-31-22-51 ~]$ [
```

change the user's home directory name with -d option.

```
[ec2-user@ip-172-31-22-51 ~]$ ls /home
ec2-user user1 user2 user3 user4 user5 userALTI
```

-d force olarak oluştur.

```
sudo useradd -m -c "this guy is developer" user7  # give a descrpition to user with -c option.

[ec2-user@ip-172-31-22-51 ~]$ sudo useradd -m -c "this guy is cihan's team" user7
[ec2-user@ip-172-31-22-51 ~]$ tail -7 /etc/passwd
user1:x:1001:1001::/home/user1:/bin/bash
user2:x:1002:1002::/home/user2:/bin/bash
user3:x:1003:1003::/home/user3:/bin/bash
user4:x:1004:1004::/home/user4:/bin/bash
user5:x:1005:1005::/home/userALTI:/bin/bash
user6:x:1006:1006::/home/userALTI:/bin/bash
user7:x:1007:1007:this guy is cihan's team:/home/user7:/bin/bash
[ec2-user@ip-172-31-22-51 ~]$ []
```

```
[ec2-user@ip-172-31-22-51 ~]$ cat /etc/passwd | grep user7
user7:x:1007:1007:this guy is cihan's team:/home/user7:/bin/bash
[ec2-user@ip-172-31-22-51 ~]$ [
```

```
[ec2-user@ip-172-31-22-51 ~]$ sudo userdel user5
[ec2-user@ip-172-31-22-51 ~]$ tail -7 /etc/passwd
ec2-user:x:1000:1000:EC2 Default User:/home/ec2-user:/bin/bash
user1:x:1001:1001::/home/user1:/bin/bash
user2:x:1002:1002::/home/user2:/bin/bash
user3:x:1003:1003::/home/user3:/bin/bash
user4:x:1004:1004::/home/user4:/bin/bash
user6:x:1006:1006::/home/userALTI:/bin/bash
user7:x:1007:1007:this guy is cihan's team:/home/user7:/bin/bash
[ec2-user@ip-172-31-22-51 ~]$
```

* User5 gitti bu komutla. Altındaki komutla da kontrol ettik gitmiş mi diye.

```
[ec2-user@ip-172-31-22-51 ~]$ ls /home
ec2-user user1 user2 user3 user4 user5 user7 userALTI
[ec2-user@ip-172-31-22-51 ~]$ sudo userdel _-r user1
[ec2-user@ip-172-31-22-51 ~]$ ls
[ec2-user@ip-172-31-22-51 ~]$ ls /home
ec2-user user2 user3 user4 user5 user7 userALTI
[ec2-user@ip-172-31-22-51 ~]$ [
```

* user5 gitti ama home klasörü kaldı bizde. Fakat yukarıdaki komutla user sildiğimiz zaman home klasörü dahil hiçbir şey kalmaz.

```
[ec2-user@ip-172-31-22-51 home]$ ls
ec2-user user2 user3 user4 user5 user7 userALTI
[ec2-user@ip-172-31-22-51 home]$ rm -rf user5
rm: cannot remove 'user5': Permission denied
[ec2-user@ip-172-31-22-51 home]$ sudo rm -rf user5
[ec2-user@ip-172-31-22-51 home]$ ls
ec2-user user2 user3 user4 user7 userALTI
[ec2-user@ip-172-31-22-51 home]$ [
```

Ec2-user yetkisi olmadığından izin vermedi, O yüzden sudo kullandık.

```
sudo usermod -1 Superuser user2 # change the name of the user2 with -1 option.
```

```
[ec2-user@ip-172-31-22-51 ~]$ sudo usermod -c "Ahmet team" user7
[ec2-user@ip-172-31-22-51 ~]$ tail -3 /etc/passwd
user4:x:1004:1004::/home/user4:/bin/bash
user6:x:1006:1006::/home/userALTI:/bin/bash
user7:x:1007:1007:Ahmet team:/home/user7:/bin/bash
[ec2-user@ip-172-31-22-51 ~]$ [
```

sudo usermod -1 Superuser user2 # change the name of the user2 with -1 option.

```
[ec2-user@ip-172-31-22-51 ~]$ sudo usermod -l Superuser user2
[ec2-user@ip-172-31-22-51 ~]$ tall -3 /etc/passwd
user6:x:1006:1006::/home/userALTI:/bin/bash
user7:x:1007:1007:Ahmet team:/home/user7:/bin/bash
Superuser:x:1002:1002::/home/user2:/bin/bash
[ec2-user@ip-172-31-22-51 ~]$ tail -7 /etc/passwd
tcpdump:x:72:72::/:/sbin/nologin
ec2-user:x:1000:1000:EC2 Default User:/home/ec2-user:/bin/bash
user3:x:1003:1003::/home/user3:/bin/bash
user4:x:1004:1004::/home/user4:/bin/bash
user6:x:1006:1006::/home/userALTI:/bin/bash
user7:x:1007:1007:Ahmet team:/home/user7:/bin/bash
Superuser:x:1002:1002::/home/user2:/bin/bash
[ec2-user@ip-172-31-22-51 ~]$ []
```

* Değişiklik yapmak istediğimiz kullanıcın ismi hep en sonda olacak.

```
[ec2-user@ip-172-31-22-51 ~]$ sudo cat /etc/shadow
root:*LOCK*:14600:::::
bin:*:19387:0:99999:7:::
daemon: *:19387:0:99999:7:::
adm:*:19387:0:99999:7:::
lp:*:19387:0:99999:7:::
sync:*:19387:0:99999:7:::
shutdown:*:19387:0:99999:7:::
halt:*:19387:0:99999:7:::
mail:*:19387:0:99999:7:::
operator:*:19387:0:99999:7:::
games:*:19387:0:99999:7:::
systemd-resolve:!*:19478:::::
sshd:!!:19478:::::
rpc:!!:19478:0:99999:7:::
libstoragemgmt:!*:19478:::::
systemd-coredump:!*:19478:::::
systemd-timesync:!*:19478:::::
ec2-instance-connect:!!:19478:::::
rpcuser:!!:19478:::::
chrony:!!:19478:::::
tcpdump:!!:19478:::::
ec2-user:!!:19495:0:99999:7:::
user3:!!:19495:0:99999:7:::
```

Superuser:\$6\$zxntA5D7.ETe.h0Y\$zvscOcN0G3Tfkkx1/cxOiiEo6TACMBsA5HKv90q.e/WRGe4PlYcSYBe9ZEp/Iuq.UmVoY9MXzce4FBmjvPaKy /:19495:0:99999:7::: [ec2-user@ip-172-31-22-51 ~]\$ []

^{*} Bu bizim kullanıcılarımızın şifresinin vs. tutulduğu yer. Ama şu kısım user2 şifre verdiğimiz yer buna denk geliyor. Kriptolanmış hali. Shadow komutu bir tek sudo ile girilebilir.

```
[ec2-user@ip-172-31-22-51 etc]$ groups
ec2-user adm wheel systemd-journal
[ec2-user@ip-172-31-22-51 etc]$ [
```

Şu an kullandığım kullanıcın dahil

olduğu grupları görebiliyorum.

```
[ec2-user@ip-172-31-22-51 ~]$ sudo groupadd linux
[ec2-user@ip-172-31-22-51 ~]$ sudo groupadd aws
[ec2-user@ip-172-31-22-51 ~]$ sudo groupadd python
[ec2-user@ip-172-31-22-51 ~]$ cat /etc/group
```

```
ec2-user:x:1000:
user3:x:1002:
user4:x:1004:
user6:x:1006:
user7:x:1007:
linux:x:1008:
aws:x:1009:
python:x:1010:
[ec2-user@ip-172-31-22-51 ~]$ [
```

[ec2-user@ip-172-31-22-51 ~]\$ groups user6 user6 : user6

User6 dahil olduğu grubu gördük.

```
164 sudo usermod -a -G linux ec2-user # append ec2-user in linux group.
```

```
[ec2-user@ip-172-31-22-51 ~]$ sudo usermod -a -G linux ec2-user
[ec2-user@ip-172-31-22-51 ~]$ cat /etc/group
```

```
[ec2-user@ip-172-31-22-51 ~]$ cat /etc
screen.x.or.
ec2-user:x:1000:
user2:x:1002:
user3:x:1003:
user4:x:1004:
user6:x:1006:
user7:x:1007:
linux:x:1008:ec2-user
aws:x:1009:
python:x:1010:
[ec2-user@ip-172-31-22-51 ~]$ []
```

* ec2-user2 kullanıcısını linüx grubuna dahil etti.

```
[ec2-user@ip-172-31-22-51 ~]$ groups ec2-user ec2-user : ec2-user adm wheel systemd-journal linux Burada da
```

görmüş olduk groups komutuyla.

```
ec2-user@ip-172-31-22-51 ~]$ sudo usermod -G aws user3
[ec2-user@ip-172-31-22-51 ~]$ cat /etc/group
```

```
ec2-user:x:1000:
user2:x:1002:
user3:x:1003:
user4:x:1004:
user6:x:1006:
user7:x:1007:
linux:x:1008:ec2-user
aws:x:1009:user3
python:x:1010:
[ec2-user@ip-172-31-22-51 ~]$ [
```

* Eğer apend yapmazsak direkt G ile yaparsak o kullanıcının dahil olduğu gruplardan çıkarıyor, sadece o an yapmak istediğiniz gruba alıyor. Eğer user3 başka bir grupta olsaydı oradan alınacak son yaptığımız aws grubunda olacaktı sadece. Apend eklemediğimiz için. Apendi unutmayacağız.

sudo usermod -G aws ec2-user # this command deletes all groups that ec2-user in except
default group of ec2-user and add ec2-user to aws group.

```
sudo groupmod -n my-linux linux # change the name of the linux group.
```

```
[ec2-user@ip-172-31-22-51 ~]$ sudo groupmod -n my-linux linux
[ec2-user@ip-172-31-22-51 ~]$ cat /etc/group
```

```
ec2-user:x:1000:
user2:x:1002:
user3:x:1003:
user4:x:1004:
user6:x:1006:
user7:x:1007:
aws:x:1009:user3
python:x:1010:
my-linux:x:1008:ec2-user
[ec2-user@ip-172-31-22-51 ~]$ [
```

* linüx kulacısının ismi my-linux olarak değişti.

sudo gpasswd -a user7 aws # add a user to a group.

```
[ec2-user@ip-172-31-22-51 ~]$ sudo gpasswd -a user7 aws
Adding user user7 to group aws
[ec2-user@ip-172-31-22-51 ~]$ cat /etc/group
```

```
ec2-user:x:1000:
user2:x:1002:
user3:x:1003:
user4:x:1004:
user6:x:1006:
user7:x:1007:
aws:x:1009:user3,user7
python:x:1010:
my-linux:x:1008:ec2-user
[ec2-user@ip-172-31-22-51 ~]$ [
```

* user 7 kullacısını aws grubuna ekledi

```
sudo gpasswd -d user7 aws # delete a user to a group.
```

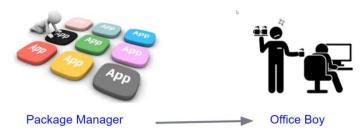
```
[ec2-user@ip-172-31-22-51 ~]$ sudo gpasswd -d user7 aws
Removing user user7 from group aws
[ec2-user@ip-172-31-22-51 ~]$ cat /etc/group
```

```
ec2-user:x:1000:
user2:x:1002:
user3:x:1003:
user4:x:1004:
user6:x:1006:
user7:x:1007:
aws:x:1009:user3
python:x:1010:
my-linux:x:1008:ec2-user
[ec2-user@ip-172-31-22-51 ~]$ [
```

*user7 kullcısını aws grubundan çıkarttı.

Package Management

A package manager is a collection of software tools that automates the process of installing, upgrading, configuring, and removing compute programs for a computer's operating system in a consistent manner.

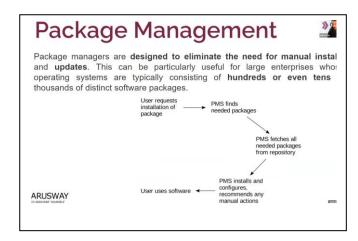


Package Management



A package manager deals with packages, distributions of software and data in archive files. Packages contain metadata, such as the software's name, description of its purpose, version number, vendor, checksum, and a list of dependencies necessary for the software to run properly. Upon installation, metadata is stored in a local package database.





Package Management



Operating System	Format	Tool(s)
Debian	.deb	apt, apt-cache, apt-get, dpkg
Ubuntu	.deb	apt, apt-cache, apt-get, dpkg
CentOS	.rpm	yum
Fedora	.rpm	dnf
FreeBSD	Ports, .txz	make, pkg

https://stackoverflow.com/questions/10286459/multiple-package-manager



Popular Linux System Package Manage

Debian Package Managers

dpkg is the main package management program for the Debian Linux distros. It is used to handle Debian package files with the extension of .deb

\$ dpkg -i [package-name] # Installing a package \$ dpkg -r [package-name] #Removing a package \$ dpkg -l # Lists installed packages

- Update Amazon Linux Instance.
sudo yum update
- Update Ubuntu's package list. This command updates the local repo database but do not install any package.
sudo ant update

Amazon Linux ve ubuntuda upadate komutları.

Install git on Amazon Linux instance.
sudo yum install git
- Uninstall git on Amazon Linux instance.

Linux de install ve remove komutları

sudo apt remove git

- Check the version of git installed on Ubuntu instance.(There should be no info, because it's just removed a minute ago)

Ubuntu da remove komutu.

```
Check the info for the git package installed on Ubuntu instance.
 List all available packages for Amazon Linux instance.
sudo yum list
 List all available packages for Ubuntu instance.
sudo apt list
 List all available git packages for Amazon Linux instance.
sudo yum list git
 List all available git packages for Ubuntu instance.
 List all installed packages on Amazon Linux instance.
sudo yum list installed
 List all installed packages on Ubuntu instance.
 List all available versions of git packages on Amazon Linux instance.
sudo yum --showduplicates list git
 Check the version of git installed on Amazon Linux instance.
 Uninstall git with dependencies on Amazon Linux instance without any interruption.
sudo yum autoremove git -y
 Install a previous version of git on Amazon Linux instance.
sudo yum --showduplicates list git
sudo yum install git-2.14.5-1.amzn2 -y
 Check the version of git installed on Amazon Linux instance.
 List all available versions of git packages on Amazon Linux instance.
sudo yum --showduplicates list git
 Check the available version of git with info command.
sudo yum list git
 Update git and check the version.
```