

Examen segon parcial

Exercici 1

```
vagrant@segonparcial:~$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/vagrant/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/vagrant/.ssh/id_rsa
Your public key has been saved in /home/vagrant/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:Xz3bGI7NgaVW6aQ8CGfKEh3d3Dv1WldiZRH/EFIu9Jc vagrant@segonparcial
The key's randomart image is:
+---[RSA 3072]-----+
|
|.. 000000|
|. ...O+.=*|
|. o o . @E*|
|o = o &++o|
|. S . X B..|
|. . o * B|
|. . * .|
|_+-----[SHA256]-----+
```

Exercici 2

Add an SSH key

Add an SSH key for secure access to GitLab. [Learn more.](#)

Key

```
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQGDPPdZJx6lVc0xHX1UNkl//gelhQX8VdOC4YXfXM2e7h3HPQv5ZZAUq1K6DP/qiVaFZohYIH/
6tJrpzxwmnKsXErMnwD/yjW38GTt1X9xeE2vrlsYN0BGVclclhujuOs70/
KFVtNmHihXJTZuQV9veCHAgqcD7NuSU8Z+sYeMY4o3rGeJMABYiTHqqoLOCi8FxoQAAHpVU0LkWj/
KPfZe2PO52cp5T+ic2fV8ic61fTZnSynufGXuBW0R5ucEAGEfoaWciqSC5rh8sDmidyCVU19a+q98gSHi6ReCOXN9Uuyu8U/
4RKoiyBUAGZy8fZF03IMMCdlKyyR+Y+shVF56FdL2wJuhZLnUfSBxHHV9wznaTC8l3otkclgYvVz5FE3JIRP6Lqn1nQBzXgUG9n8cL8j9wh9l4nR3t/
HLIL3VsdLY6f96uCh0sQR4x3bzKHhJ+CPE94aZ01GE3FLxZ73b2wmsPnzlEDELb/zeP7SpFILTStyg+W82yhgKJqMUGrlc= vagrant@segonparcial
```

Begins with 'ssh-rsa', 'ecdsa-sha2-nistp256', 'ecdsa-sha2-nistp384', 'ecdsa-sha2-nistp521', 'ssh-ed25519', 'sk-ecdsa-sha2-nistp256@openssh.com', or 'sk-ssh-ed25519@openssh.com'.

Title

vagrant@segonparcial

Key titles are publicly visible.

Usage type

Authentication & Signing

Expiration date

2024-06-08

Optional but recommended. If set, key becomes invalid on the specified date.

Exercici 3

```
vagrant@segonparcial:~/examen$ git push --set-upstream origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 231 bytes | 115.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To gitlab.com:Keita58/examen.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```

Exercici 4

Marc Sánchez / examen

E

examen

main ▾

examen / ▾

History

Find file

Edit ▾

Code ▾

Primer commit
Marc Sánchez authored 2 minutes ago

77a4f472

Name	Last commit	Last update
readme.md	Primer commit	2 minutes ago

[readme.md](#)

Hola món!

Exercici 5

```
vagrant@segonparcial:~/examen$ echo aaaaaaaaaaaaa > a.txt
vagrant@segonparcial:~/examen$ git add .
vagrant@segonparcial:~/examen$ git commit -m "Canvi"
[main ba21428] Canvi
 1 file changed, 1 insertion(+)
 create mode 100644 a.txt
vagrant@segonparcial:~/examen$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 283 bytes | 283.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To gitlab.com:Keita58/examen.git
 77a4f47..ba21428  main -> main
```

E

examen

main

examen /

+

History

Find file

Edit

Code

Canvi
Marc Sánchez authored just now

ba21428d

Name	Last commit	Last update
a.txt	Canvi	just now
readme.md	Primer commit	3 minutes ago

readme.md

Hola món!

Exercici 6

```
GNU nano 7.2 /etc/rsnapshot.conf *
#####
# rsnapshot.conf - rsnapshot configuration file #
#####
#
# PLEASE BE AWARE OF THE FOLLOWING RULE:
#
# This file requires tabs between elements
#
#####

#####
# CONFIG FILE VERSION #
#####

config_version 1.2

#####
# SNAPSHOT ROOT DIRECTORY #
#####

# All snapshots will be stored under this root directory.
#
snapshot_root /home/backup

#####
### BACKUP POINTS / SCRIPTS ###
#####

# LOCALHOST
backup /home/vagrant localhost/_
#backup /etc/ localhost/
#backup /usr/local/ localhost/
```

```

root@segonparcial:~# rsnapshot alpha
Setting locale to POSIX "C"
echo 3072 > /var/run/rsnapshot.pid
mkdir -m 0700 -p /home/backup/
mkdir -m 0755 -p /home/backup/alpha.0/
/usr/bin/rsync -av --delete --numeric-ids --relative --delete-excluded \
    /home/vagrant/ /home/backup/alpha.0/localhost/
sending incremental file list
created directory /home/backup/alpha.0/localhost
/home/
/home/vagrant/
/home/vagrant/.bash_history
/home/vagrant/.bash_logout
/home/vagrant/.bashrc
/home/vagrant/.gitconfig
root@segonparcial:~# cd home/
root@segonparcial:/home# ls
backup  vagrant
root@segonparcial:/home# cd backup/
root@segonparcial:/home/backup# ls
alpha.0
root@segonparcial:/home/backup# ls -l
total 4
drwxr-xr-x 3 root root 4096 May  8 18:14 alpha.0
root@segonparcial:/home/backup# cd alpha.0/
root@segonparcial:/home/backup/alpha.0# ls
localhost
root@segonparcial:/home/backup/alpha.0# cd localhost/
root@segonparcial:/home/backup/alpha.0/localhost# ls
home
root@segonparcial:/home/backup/alpha.0/localhost# cd home/
root@segonparcial:/home/backup/alpha.0/localhost/home# ls
vagrant
root@segonparcial:/home/backup/alpha.0/localhost/home# cd vagrant/
root@segonparcial:/home/backup/alpha.0/localhost/home/vagrant# ls
examen
root@segonparcial:/home/backup/alpha.0/localhost/home/vagrant#

```

Exercici 7

```

GNU nano 7.2 /tmp/crontab.z8Wv12/crontab
# Edit this file to introduce tasks to be run by cron.
#
# Each task to run has to be defined through a single line
# indicating with different fields when the task will be run
# and what command to run for the task
#
# To define the time you can provide concrete values for
# minute (m), hour (h), day of month (dom), month (mon),
# and day of week (dow) or use '*' in these fields (for 'any').
#
# Notice that tasks will be started based on the cron's system
# daemon's notion of time and timezones.
#
# Output of the crontab jobs (including errors) is sent through
# email to the user the crontab file belongs to (unless redirected).
#
# For example, you can run a backup of all your user accounts
# at 5 a.m every week with:
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
#
# For more information see the manual pages of crontab(5) and cron(8)
#
# m h dom mon dow  command
0 * * * * /usr/local/bin/rsnapshot alpha_
0 12 * * * /usr/local/bin/rsnapshot beta

```

Exercici 8

```
root@segonparcial:~# ufw allow 22
Rules updated
Rules updated (v6)
root@segonparcial:~# ufw allow 80
Rules updated
Rules updated (v6)
root@segonparcial:~# ufw limit 3306
Rules updated
Rules updated (v6)
root@segonparcial:~# ufw default deny incoming
Default incoming policy changed to 'deny'
(be sure to update your rules accordingly)
root@segonparcial:~# ufw default deny outgoing
Default outgoing policy changed to 'deny'
(be sure to update your rules accordingly)
root@segonparcial:~# _
```

Exercici 9

```
root@segonparcial:~# ufw status verbose
Status: active
Logging: on (low)
Default: deny (incoming), deny (outgoing), disabled (routed)
New profiles: skip

To Action From
--
22 ALLOW IN Anywhere
80 ALLOW IN Anywhere
3306 LIMIT IN Anywhere
22 (v6) ALLOW IN Anywhere (v6)
80 (v6) ALLOW IN Anywhere (v6)
3306 (v6) LIMIT IN Anywhere (v6)
```

Exercici 10

```
Starting Nmap 7.94 ( https://nmap.org ) at 2024-05-08 19:39 Hora de verano romance
Nmap scan report for 192.168.56.67
Host is up (0.00090s latency).
Not shown: 97 filtered tcp ports (no-response)
PORT      STATE SERVICE
22/tcp    open  ssh
80/tcp    closed http
3306/tcp  closed mysql
MAC Address: 08:00:27:11:A3:82 (Oracle VirtualBox virtual NIC)

Nmap done: 1 IP address (1 host up) scanned in 2.08 seconds
```