



User Configuration to Pouta

1. Add user “jingjing” for myself
2. Delete the default user “ubuntu”
3. Enable host firewall ‘ufw’ and allow SSH only
4. Add instructors “joe22” and “sam22”
5. Enable automatic updates
6. Configure ‘Tip of the day’ to use in the server
7. [linuxtips.sh](#)
8. Test totd functionality
9. Test disable totd via ‘~/notips’
10. Disable totd for instructor “sam22”
11. Add peer students “emiliab” “phong”

1. Add user “jingjing” for myself

```

[jingjing@Ubuntu-MacBookPro:~$ ssh -i .ssh/id_rsa_stec23 ubuntu@86.50.230.95 ]
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.15.0-69-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sat Apr  1 16:03:10 UTC 2023

System load:  0.080078125      Processes:           88
Usage of /:   1.9% of 77.35GB   Users logged in:    0
Memory usage: 20%              IPv4 address for ens3: 192.168.1.18
Swap usage:   0%

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   Ubuntu Pro subscription. Free for personal use.

   https://ubuntu.com/pro

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0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Sat Apr  1 14:18:53 2023 from 84.249.20.248
[ubuntu@jingjing-serverb-2023:~$ sudo -i ]
[root@jingjing-serverb-2023:~# cd /home ]
[root@jingjing-serverb-2023:/home# ls ]
ubuntu
[root@jingjing-serverb-2023:/home# useradd -m -u 1400 -s /bin/bash jingjing ]
[root@jingjing-serverb-2023:/home# cd jingjing/ ]
[root@jingjing-serverb-2023:/home/jingjing# cp -p -r ~ubuntu/.ssh . ]
[root@jingjing-serverb-2023:/home/jingjing# chown -R jingjing:jingjing .ssh ]
[root@jingjing-serverb-2023:/home/jingjing# passwd jingjing ]
New password: ]
Retype new password: ]
passwd: password updated successfully ]
[root@jingjing-serverb-2023:/home/jingjing# cd /etc/sudoers.d/ ]
[root@jingjing-serverb-2023:/etc/sudoers.d# cp -p 90-cloud-init-users 91-stec22-users ]
root@jingjing-serverb-2023:/etc/sudoers.d# nano 91-stec22-users ]
root@jingjing-serverb-2023:/etc/sudoers.d# cat 91-stec22-users ]
# Created by cloud-init v. 23.1.1-0ubuntu0~22.04.1 on Sat, 01 Apr 2023 13:25:21 +0000 ]

# User rules for ubuntu
jingjing ALL=(ALL) ALL
root@jingjing-serverb-2023:/etc/sudoers.d# exit
logout
[ubuntu@jingjing-serverb-2023:~$ exit ]
logout ]
Connection to 86.50.230.95 closed. ]
jingjing@Ubuntu-MacBookPro:~$ ssh -l jingjing 86.50.230.95
jingjing@86.50.230.95: Permission denied (publickey).

```

2. Delete the default user “ubuntu”

```

[jingjing@Ubuntu-MacBookPro:~$ ssh -i .ssh/id_rsa_stec23 jingjing@86.50.230.95
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.15.0-69-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sat Apr  1 16:21:07 UTC 2023

System load:  0.0               Processes:            88
Usage of /:   1.9% of 77.35GB   Users logged in:     0
Memory usage: 20%              IPv4 address for ens3: 192.168.1.18
Swap usage:   0%

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   https://ubuntu.com/pro

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Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

[jingjing@jingjing-serverb-2023:~$ sudo -i
[[sudo] password for jingjing:
[root@jingjing-serverb-2023:~# ls /home
jingjing  ubuntu
[root@jingjing-serverb-2023:~# userdel -r ubuntu
userdel: ubuntu mail spool (/var/mail/ubuntu) not found
[root@jingjing-serverb-2023:~# ls /home
jingjing

root@jingjing-serverb-2023:/etc/sudoers.d# cat 90-cloud-init-users
# Created by cloud-init v. 23.1.1-0ubuntu0~22.04.1 on Sat, 01 Apr 2023 13:25:21 +0000

# User rules for ubuntu
ubuntu ALL=(ALL) NOPASSWD:ALL
root@jingjing-serverb-2023:/etc/sudoers.d# rm 90-cloud-init-users
root@jingjing-serverb-2023:/etc/sudoers.d# ls
91-stec22-users  README

```

3. Enable host firewall 'ufw' and allow SSH only

```

[root@jingjing-serverb-2023:~# grep -i passwordauthentication /etc/ssh/sshd_config
PasswordAuthentication no
# PasswordAuthentication. Depending on your PAM configuration,
# PAM authentication, then enable this but set PasswordAuthentication
[root@jingjing-serverb-2023:~# ufw status
Status: inactive
[root@jingjing-serverb-2023:~# ufw enable
[Command may disrupt existing ssh connections. Proceed with operation (y|n)? y
Firewall is active and enabled on system startup
[root@jingjing-serverb-2023:~# ufw allow log from 193.166.164.193/24 to any port 22
WARN: Rule changed after normalization
Rule added
[root@jingjing-serverb-2023:~# ufw allow log from 128.214.252.51/32 to any port 22
Rule added
[root@jingjing-serverb-2023:~# ufw allow log from 128.214.252.51/32 to any port 80
Rule added
[root@jingjing-serverb-2023:~# ufw allow log from 128.214.252.51/32 to any port 443
Rule added
[root@jingjing-serverb-2023:~# ufw allow log from 84.249.20.248/32 to any port 22
Rule added
[root@jingjing-serverb-2023:~# ufw status
Status: active

```

To	Action	From	
---	-----	----	
22	ALLOW	193.166.164.0/24	(log)
22	ALLOW	128.214.252.51	(log)
80	ALLOW	128.214.252.51	(log)
443	ALLOW	128.214.252.51	(log)
22	ALLOW	84.249.20.248	(log)

4. Add instructors “joe22” and “sam22”

```

[root@jingjing-serverb-2023:~# useradd -m -u 2021 -s /bin/bash joe22
[root@jingjing-serverb-2023:~# cd ~joe22/
[root@jingjing-serverb-2023:/home/joe22# mkdir .ssh
[root@jingjing-serverb-2023:/home/joe22# chmod 700 .ssh
[root@jingjing-serverb-2023:/home/joe22# touch .ssh/authorized_keys
[root@jingjing-serverb-2023:/home/joe22# chown -R joe22:joe22 .ssh

```

```

root@jingjing-serverb-2023:/home/joe22# chmod 600 .ssh/authorized_keys
root@jingjing-serverb-2023:/home/joe22# nano .ssh/authorized_keys
root@jingjing-serverb-2023:/home/joe22# cat .ssh/authorized_keys
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQgQDls5e5lPv8EUrdo6kpEVCw4AnUNoDL7HbNo6l9b
80i60vLH6cM4ep/NTEyASvK8yvJG0GmoyT+HRWSkQJ0QTRupwBbc5BvXlNmEbVlZiw/txEqbH4fp/
E9u9ZRy1hxeIHVLIP5sQvB0uNzqfbdxPkO+BUAG/TGVknx+K0AScNME6cJQzHaR8Cbof5n/HEdvOW
D3ng+KFIdGsaxFLWX6+Rs10ZA39757KBUYTP1pxx6XqLizxjEaQvbDKCr7dL4vkm5PyhIAe2XfVZt
yANp49KBfoVeJlRjA6gXw2Hr3qmgfKyZrx2/IUh5gD0KtsYcenuJcQVbyaymyvjyOV5xWP3rkRdTt
Qagrbd/QfXqJJX/wpAt7mgoYxZSx+ll0gnDy8JqYTJlH96q72IyBguFcFSMDhCxI0jGZLI8pSm0nA
EPKF0nZtlcWPuFjOGdppkuDZTjszmKCLgFbyBsCBP58DtIumVzgdEFWsXLYOGvgS7MvCFP8RTsad0
934Xp0HxTrtU= joe22@teacher1

```

```

ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQgQDOJCZJ+D/sJS1iFchXqGfWfU0QeE1gdOHYYr3u1p
lzMpRRc2pinOk2C3n/ut0ucG7j7tvQBNz05EE6ck157yAMlPd3utuhJYvfybk0EoXcmwihqH+oxeM
RA9i20lXNRTmhNOTY9r9URa8YK6I5C04V/Od4wH7+zIl9JWEkgJ5kbuqqT316zA4y8dmOpkfN/gDW
TbMIHY+pj+RM9VH7PpbavL3XA/XP+8a60WKhh/T09vLfT7xFSgFDAPsW4cLxcasVBuYTrnfGKM/eW
gDTyUKwHCBi7XTizKnBcbYQkhW5sgosc8QWhpDdKvXFvqvKjR3UpK19RneU8zHDQn3a/6J93ihRu
ieJaSJdYCiM9a3DeliLrSQLSx13jH5Udrpb7EjhEtL2G5MmL9xNjKUHDhmS1m4Qc4c1WIMd8meInf
/C0DHb6jYA6rhT7NecSR2vDkNFfSxmUGXSf/guPvgJgCptjTGUmThfSVfILLQyWrQ2NoosYa3i/pM
VWmgTfB1EOfM= sam22@monitor1
root@jingjing-serverb-2023:/home/joe22# cd
root@jingjing-serverb-2023:~# sudo useradd -m -u 2031 -s /bin/bash sam22
root@jingjing-serverb-2023:~# cd ~sam22
root@jingjing-serverb-2023:/home/sam22# mkdir .ssh
root@jingjing-serverb-2023:/home/sam22# chmod 700 .ssh
root@jingjing-serverb-2023:/home/sam22# touch .ssh/authorized_keys
root@jingjing-serverb-2023:/home/sam22# chown -R sam22:sam22 .ssh
root@jingjing-serverb-2023:/home/sam22# chmod 600 .ssh/authorized_keys
root@jingjing-serverb-2023:/home/sam22# nano .ssh/authorized_keys
root@jingjing-serverb-2023:/home/sam22# cat .ssh/authorized_keys

```

```

ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQgQDOJCZJ+D/sJS1iFchXqGfWfU0QeE1gdOHYYr3u1p
lzMpRRc2pinOk2C3n/ut0ucG7j7tvQBNz05EE6ck157yAMlPd3utuhJYvfybk0EoXcmwihqH+oxeM
RA9i20lXNRTmhNOTY9r9URa8YK6I5C04V/Od4wH7+zIl9JWEkgJ5kbuqqT316zA4y8dmOpkfN/gDW
TbMIHY+pj+RM9VH7PpbavL3XA/XP+8a60WKhh/T09vLfT7xFSgFDAPsW4cLxcasVBuYTrnfGKM/eW
gDTyUKwHCBi7XTizKnBcbYQkhW5sgosc8QWhpDdKvXFvqvKjR3UpK19RneU8zHDQn3a/6J93ihRu
ieJaSJdYCiM9a3DeliLrSQLSx13jH5Udrpb7EjhEtL2G5MmL9xNjKUHDhmS1m4Qc4c1WIMd8meInf
/C0DHb6jYA6rhT7NecSR2vDkNFfSxmUGXSf/guPvgJgCptjTGUmThfSVfILLQyWrQ2NoosYa3i/pM
VWmgTfB1EOfM= sam22@monitor1
root@jingjing-serverb-2023:/home/sam22# ls /home/
jingjing  joe22  sam22

```

5. Enable automatic updates

```

[jingjing@jingjing-serverb-2023:~$ sudo nano /etc/apt/apt.conf.d/50unattended-upgrades
[sudo] password for jingjing:
[jingjing@jingjing-serverb-2023:~$ grep '^Unattended-Upgrade::Automatic-Reboot' /etc/apt/
apt.conf.d/50unattended-upgrades | grep -q true
[jingjing@jingjing-serverb-2023:~$ grep '^Unattended-Upgrade::Automatic-Reboot' /etc/apt/
apt.conf.d/50unattended-upgrades
Unattended-Upgrade::Automatic-Reboot "false";
Unattended-Upgrade::Automatic-Reboot-WithUsers "true";
Unattended-Upgrade::Automatic-Reboot-Time "02:00";

```

6. Configure 'Tip of the day' to use in the server

```

[jingjing@jingjing-serverb-2023:~$ sudo -i
[sudo] password for jingjing:
root@jingjing-serverb-2023:~# cd /opt/
root@jingjing-serverb-2023:/opt# git clone https://gitlab.tamk.cloud/server-tech-2023b-jingjing-yang/
tip-of-the-day-1.0-bash-script.git tot
Cloning into 'totd'...
Username for 'https://gitlab.tamk.cloud': ptjiya
Password for 'https://ptjiya@gitlab.tamk.cloud':
remote: Enumerating objects: 62, done.
remote: Counting objects: 100% (62/62), done.
remote: Compressing objects: 100% (56/56), done.
remote: Total 62 (delta 19), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (62/62), 12.55 KiB | 918.00 KiB/s, done.
Resolving deltas: 100% (19/19), done.
root@jingjing-serverb-2023:/opt# cd totd/
root@jingjing-serverb-2023:/opt/totd# ls -la
.  ..  .curtip  .git  README.md  linuxtips.sh  tips
root@jingjing-serverb-2023:/opt/totd# cd /etc/profile.d/
root@jingjing-serverb-2023:/etc/profile.d# ln -s /opt/totd/linuxtips.sh
root@jingjing-serverb-2023:/etc/profile.d# ls -la
total 40
drwxr-xr-x  2 root root 4096 Apr  2 21:37 .
drwxr-xr-x 91 root root 4096 Apr  1 18:09 ..
-rw-r--r--  1 root root   96 Oct 15  2021 01-locale-fix.sh
-rw-r--r--  1 root root 1557 Feb 17  2020 Z97-byobu.sh
-rwxr-xr-x  1 root root 3417 Mar  3 09:06 Z99-cloud-locale-test.sh
-rwxr-xr-x  1 root root  873 Mar  3 09:06 Z99-cloudinit-warnings.sh
-rw-r--r--  1 root root  835 Dec  1 08:52 apps-bin-path.sh
-rw-r--r--  1 root root  726 Nov 15  2021 bash_completion.sh
-rw-r--r--  1 root root 1107 Mar 23  2022 gawk.csh
-rw-r--r--  1 root root  757 Mar 23  2022 gawk.sh
lrwxrwxrwx  1 root root   22 Apr  2 21:37 linuxtips.sh -> /opt/totd/linuxtips.sh
root@jingjing-serverb-2023:/etc/profile.d# nano linuxtips.sh

```

7. linuxtips.sh


```

root@jingjing-serverb-2023:/etc/profile.d# cat linuxtips.sh
#!/bin/bash

tty -s || exit # check if we have interactive shell

# Shows a new tip with every new terminal session
# Round robin for the tips: 1st, 2nd ... last, 1st ...
# Prompts for showing more tips

# the path for script and tips, modify this if you have different ones!
scriptDir=/opt/totd
tipsDir=/opt/totd/tips

# if the totd functionality is not deactivated (~/.notips does not exit)
if [ ! -f ~/.notips ]; then

    if test -f ~/.curtip; then
        n=$(cat ~/.curtip) # get the current tip id if .curtip exists
    else
        echo 1 > ~/.curtip # create file .curtip to store initial tip id
        n=1
    fi

    # calculate total number of tips
    N=$(ls $tipsDir/*.txt | wc -l)

    date # display the current time
    # show that tip
    echo "                Tip of the Day!"

    next="y"

    # show more tips as user want
    while [ "$next" = "y" ]
    do
        # show the tip
        echo "-----Tip $n-----"
        cat $tipsDir/$n.txt
        echo "-----"

        # Prompt for skip this tip
        # read -p "Skip this tip permanently? (y/n) " skip

        # Prompt for showing another tip
        read -p "Show next tip? (y/n) " next

        # update the id for next tip
        n=$((n%N+1))
    done

    echo $n > ~/.curtip # store this tip id
fi

```

8. Test totd functionality

```

[jingjing@Ubuntu-MacBookPro:~$ ssh -i .ssh/id_rsa_stec23 jingjing@86.50.230.95 ]
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.15.0-69-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sun Apr  2 21:55:01 UTC 2023

System load:  0.080078125      Processes:            98
Usage of /:   2.1% of 77.35GB   Users logged in:     1
Memory usage: 24%              IPv4 address for ens3: 192.168.1.18
Swap usage:   0%

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
   just raised the bar for easy, resilient and secure K8s cluster deployment.

   https://ubuntu.com/engage/secure-kubernetes-at-the-edge

 * Introducing Expanded Security Maintenance for Applications.
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   https://ubuntu.com/pro

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See https://ubuntu.com/esm or run: sudo pro status

Last login: Sun Apr  2 21:50:26 2023 from 84.249.20.248
Sun Apr  2 21:55:29 UTC 2023
    Tip of the Day!
-----Tip 1-----
`date`
1)      displays the system date and time
2)      print the time in different formats
%D - Display date as mm/dd/yy
%T - Display date as HH:MM:SS
%A - Full weekday name (e.g., Friday)
...
3)      sets the system date and time
4)      calculate future and past dates
date --date="2 year ago"
date --date="next monday"
-----
[Show next tip? (y/n) y ]
-----Tip 2-----
`paste`
to join files horizontally/parallel merging
by outputting lines consisting of lines from each file specified to the standard
output
$ paste file1 file2 file3 ...
separated by tab as default delimiter
set another using -d (delimiter)
-----
[Show next tip? (y/n) y ]

```



```

-----Tip 3-----
`tar`
-c : Creates Archive
-x : Extract the archive
-f : creates archive with given filename
-t : displays or lists files in archived file
-v : Displays Verbose Information
-z : zip, tells tar command that creates tar file using gzip
-j : filter archive tar file using tbzip
tar -zcvf ~/package.tar.gz tmp/
tar -jxvf package.tar.bz2
-----
[Show next tip? (y/n) n ]
[jingjing@jingjing-serverb-2023:~$ exit ]
logout
Connection to 86.50.230.95 closed.
[jingjing@Ubuntu-MacBookPro:~$ ssh -i .ssh/id_rsa_stec23 jingjing@86.50.230.95 ]
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.15.0-69-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sun Apr  2 21:56:20 UTC 2023

System load:  0.0205078125      Processes:            97
Usage of /:   2.1% of 77.35GB   Users logged in:     1
Memory usage: 24%              IPv4 address for ens3: 192.168.1.18
Swap usage:   0%

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
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Last login: Sun Apr  2 21:55:53 2023 from 84.249.20.248
Sun Apr  2 21:56:21 UTC 2023
Tip of the Day!
-----Tip 4-----
`sed`
a powerful text stream editor
can do insertion, deletion, search and replace(substitution)
1)      Delete pattern matching line
$ sed '/tomato/d' filename.txt
2)      Replace all the occurrence of the pattern in a line
$ sed 's/apple/banana/g' filename.txt
3)      Replacing the 3rd occurrence of a pattern in a line
$ sed 's/unix/linux/3' geekfile.txt
4)      Swap the words
$ sed -e 's/\([a-zA-Z]*\) \([a-zA-Z]*\)/\2, \1/'
-----
Show next tip? (y/n) █

```

9. Test disable tottd via '~/.notips'

```
[Show next tip? (y/n) n
[jingjing@jingjing-serverb-2023:~]$ touch .notips
[jingjing@jingjing-serverb-2023:~]$ exit
logout
Connection to 86.50.230.95 closed.
[jingjing@Ubuntu-MacBookPro:~]$ ssh -i .ssh/id_rsa_stec23 jingjing@86.50.230.95
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.15.0-69-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sun Apr  2 21:58:33 UTC 2023

System load:  0.0               Processes:            97
Usage of /:   2.1% of 77.35GB   Users logged in:     1
Memory usage: 24%              IPv4 address for ens3: 192.168.1.18
Swap usage:   0%

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
   just raised the bar for easy, resilient and secure K8s cluster deployment.

   https://ubuntu.com/engage/secure-kubernetes-at-the-edge

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   https://ubuntu.com/pro

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Sun Apr  2 21:56:21 2023 from 84.249.20.248
```

10. Disable tottd for instructor “sam22”

```

[Show next tip? (y/n) n ]
[jingjing@jingjing-serverb-2023:~$ sudo -i ]
[[sudo] password for jingjing: ]
Sun Apr  2 22:00:14 UTC 2023
Tip of the Day!
-----Tip 1-----
`date`
1)      displays the system date and time
2)      print the time in different formats
%D - Display date as mm/dd/yy
%T - Display date as HH:MM:SS
%A - Full weekday name (e.g., Friday)
...
3)      sets the system date and time
4)      calculate future and past dates
date --date="2 year ago"
date --date="next monday"
-----
[Show next tip? (y/n) n ]
[root@jingjing-serverb-2023:~# cd /home/sam22/ ]

[root@jingjing-serverb-2023:/home/sam22# touch .notips ]
[root@jingjing-serverb-2023:/home/sam22# exit ]
logout
jingjing@jingjing-serverb-2023:~$ █

```

11. Add peer students “emiliab” “phong”

```

[root@jingjing-serverb-2023:~# useradd -m -u 1420 -s /bin/bash emiliab ]
[root@jingjing-serverb-2023:~# cd ~emiliab/ ]
[root@jingjing-serverb-2023:/home/emiliab# mkdir .ssh ]
[root@jingjing-serverb-2023:/home/emiliab# chmod 700 .ssh ]
[root@jingjing-serverb-2023:/home/emiliab# touch .ssh/authorized_keys ]
[root@jingjing-serverb-2023:/home/emiliab# chown -R emiliab:emiliab .ssh ]
[root@jingjing-serverb-2023:/home/emiliab# chmod 600 .ssh/authorized_keys ]
[root@jingjing-serverb-2023:/home/emiliab# nano .ssh/authorized_keys ]
[root@jingjing-serverb-2023:/home/emiliab# cat .ssh/authorized_keys ]
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQDAQ3CjqrJ8psle/FBpzkvibim4dsgtXPX6HLy2nu7qV
XELxlioJKl4ImDTpQuUft790FFZLSmdkQZq2kGAT9cCbEABx6gNcXIS7rQIRNtFcpv7MWQcwTNNF9WRC
dyQlItCHRiHnEEiiYhZtiIn2qnQz0YdQhQzTBL3wbnvU0tS8oRyXUo+5lfoCUZLNi0AHsmtg8VF+emFq
PACHXUaQ78f9aiSY5hgq91dsfBr1BFJatLjFjJvUtyzDffd37s8NofX0KtnlfDLiyRP1clbiLIcDIBcd
IXyAuNiMd48nR/sSziQlRmbG9HKuGN8RtBHRyjnrirnOMPwY+tevB6nds+oL Generated-by-Nova

```

```

[root@jingjing-serverb-2023:~# useradd -m -u 1410 -s /bin/bash phong ]
[root@jingjing-serverb-2023:~# cd ~phong ]
[root@jingjing-serverb-2023:/home/phong# mkdir .ssh ]
[root@jingjing-serverb-2023:/home/phong# chmod 700 .ssh ]
[root@jingjing-serverb-2023:/home/phong# touch .ssh/authorized_keys ]
[root@jingjing-serverb-2023:/home/phong# chown -R phong:phong .ssh ]
[root@jingjing-serverb-2023:/home/phong# chmod 600 .ssh/authorized_keys ]
[root@jingjing-serverb-2023:/home/phong# nano .ssh/authorized_keys ]
[root@jingjing-serverb-2023:/home/phong# cat .ssh/authorized_keys ]
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQCo4iJW1hy1tCWkxBz3mN2Q7W/ujwLCN5qUrKZ/NYcn
cidzjaTMz92x+tOrvwXU1eeUT6odAQRURFBtz8ukKH0rhJ9RVYxP5ql+TeaNYNUNLeQb2tT3CcpUP5we
EZJZH84VXbsxjBsJAQiKRuYy106dhLMUaoUVI+zhq8ZKcN9/8aUyfkCWAYr5TrlpbITX939TztmMyYxg
4T4QrDzt8xtjbdT4p+CdJZuFUQl8nsj0s6dILJQ7sh9oGsiH0UwOQoxTtUwTZ614qjiA/YoLtdY1bYp
/nw1e9XyauCWRaJtkz5vF01Ln9BpB9p9E4P53n3lzUhg8sVzIG9juv1ErH9vx2ryJXm7qDArPPqYveM
bSUx6Z31h95KzbtFGulIgUjY/jb4v30L6bBErKALDe5BxPxgo9pUIqEPtMWJ8I6V0BfwaQDBzeJSBTu6
SQIfTMi9pbGBN85aBQDAsIscrecGI6yepFQr+JhdvGgUAX1VfW6CIS/rImAGppWh/kfCIsk= thanhph
ong03@LAPTOP-FI47MDAH

```

jingjing.yang@tuni.fi	24	1400	jingjing	ssh-rsa AAAAB
phong.tran@tuni.fi	24	1410	phong	ssh-rsa AAAA
emilia.bulut@tuni.fi	24	1420	emiliab	ssh-rsa AAAA
artturi.valavuo@tuni.fi	24	1460		



waiting for “artturi” ssh public keys