

## Contents

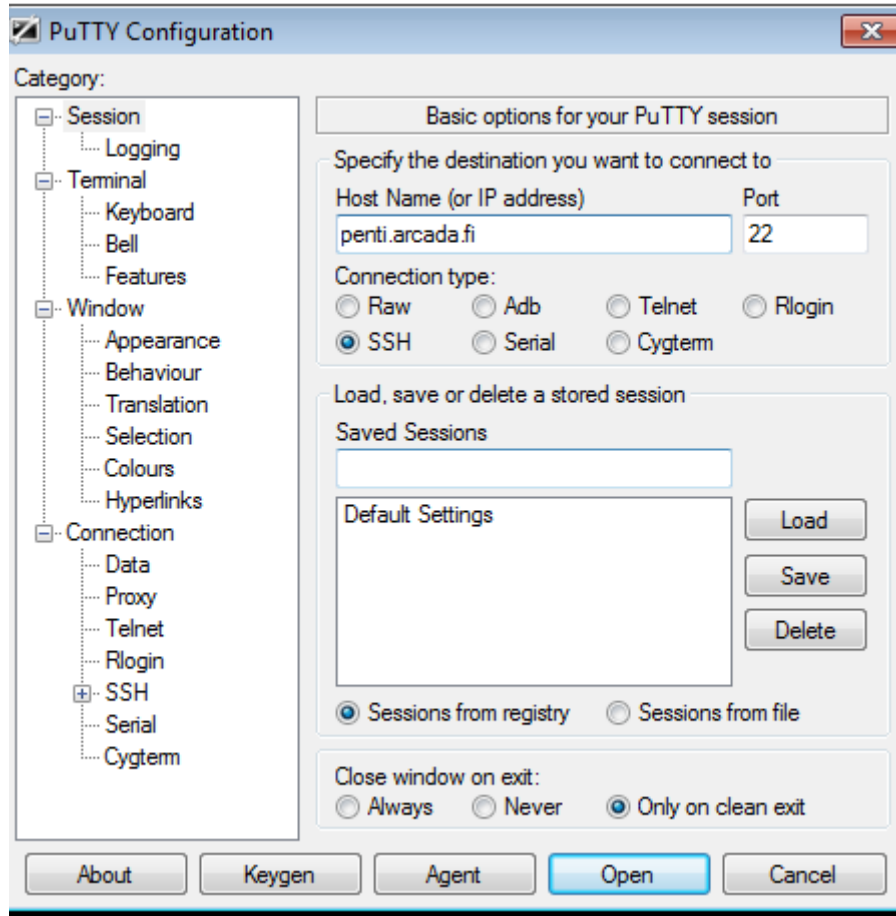
Basics to start.....	1
1 and 2: Installing xRDP and XFCE:.....	4
3. Installing LAMP:.....	4

Basics to start

Starting with editing */etc/envornment file*

login to our server as mentioned in the last lab use putty to connect your server.

## Laboration 2 - Setting up a client with GUI in the cloud as well as installation of LAMP



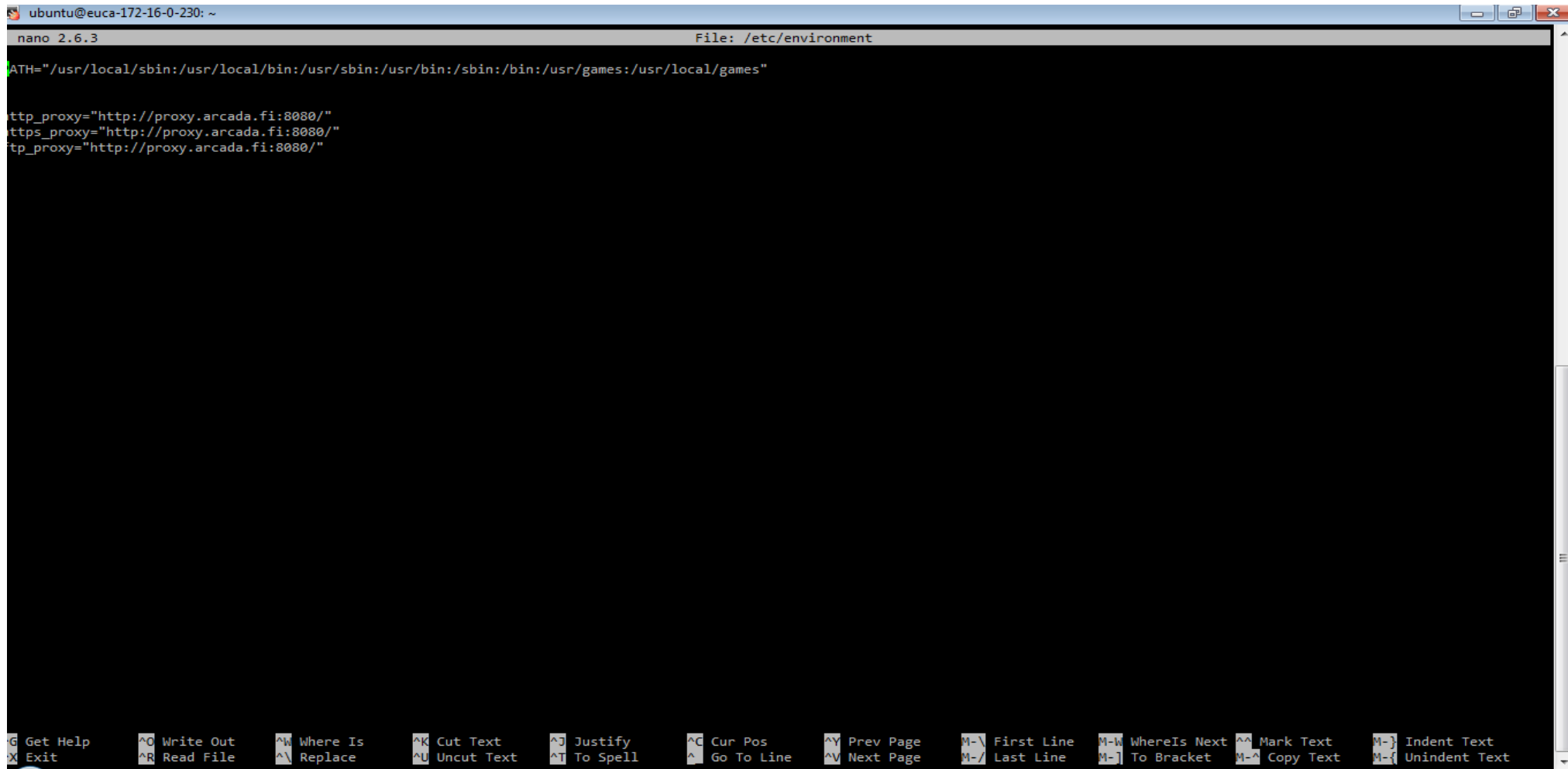
I logged in with your arcada nickname and password then to connect to your server i typed:

```
ssh -i grup13.pem ubuntu@172.16.0.19
```

Then to edit /etc/environment file type:

## Laboration 2 - Setting up a client with GUI in the cloud as well as installation of LAMP

sudo nano /etc/environment



```
ubuntu@euca-172-16-0-230: ~  
nano 2.6.3 File: /etc/environment  
PATH="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games"  
  
http_proxy="http://proxy.arcada.fi:8080/"  
https_proxy="http://proxy.arcada.fi:8080/"  
ftp_proxy="http://proxy.arcada.fi:8080/"  
  
Get Help  ^O Write Out  ^W Where Is    ^K Cut Text    ^J Justify     ^C Cur Pos    ^Y Prev Page  ^M First Line  ^W WhereIs Next ^_ Mark Text    ^I Indent Text  
Exit      ^R Read File  ^\ Replace    ^U Uncut Text  ^T To Spell    ^_ Go To Line  ^V Next Page  ^N Last Line   ^] To Bracket   ^A Copy Text   ^O Unindent Text
```

## Laboration 2 - Setting up a client with GUI in the cloud as well as installation of LAMP

1 and 2: Installing xRDP and XFCE:

- `sudo apt-get update`
- `sudo apt-get install xrdp`
- `sudo apt-get install xfce4`

Configuring xRDP:

Modifying 2 files to make sure xRDP uses xfce4.

- `echo xfce4-session > ~/.xsession`
- `nano /etc/xrdp/startwm.sh`
- `sudo service xrdp restart`

3. Installing LAMP:

We started by typing:

- `sudo apt-get update`
- `sudo apt-get install apache2`
- `sudo apache2ctl configtest`
- `sudo nano /etc/apache2/apache2.conf`

At the bottom of the file, I added a `ServerName 172.16.0.19`

Save and close.

## Laboration 2 - Setting up a client with GUI in the cloud as well as installation of LAMP

- `sudo systemctl restart apache2`

Adjusting the Firewall to Allow Web Traffic:

- `sudo ufw app list`

Allowing incoming traffic for this profile:

- `sudo ufw allow in "Apache Full"`

### Installing MySQL

- `sudo apt-get install mysql-server`
- `sudo mysql_secure_installation`

### Installing PHP

- `sudo apt-get install php libapache2-mod-php php-mcrypt php-mysql`
- `sudo nano /etc/apache2/mods-enabled/dir.conf`

`etc/apache2/mods-enabled/dir.conf`

`<IfModule mod_dir.c>`

`DirectoryIndex index.php index.html index.cgi index.pl index.xhtml index.htm`

`</IfModule>`

## Laboration 2 - Setting up a client with GUI in the cloud as well as installation of LAMP

- `sudo systemctl restart apache2`

We Installed firefox by logging to our client via putty

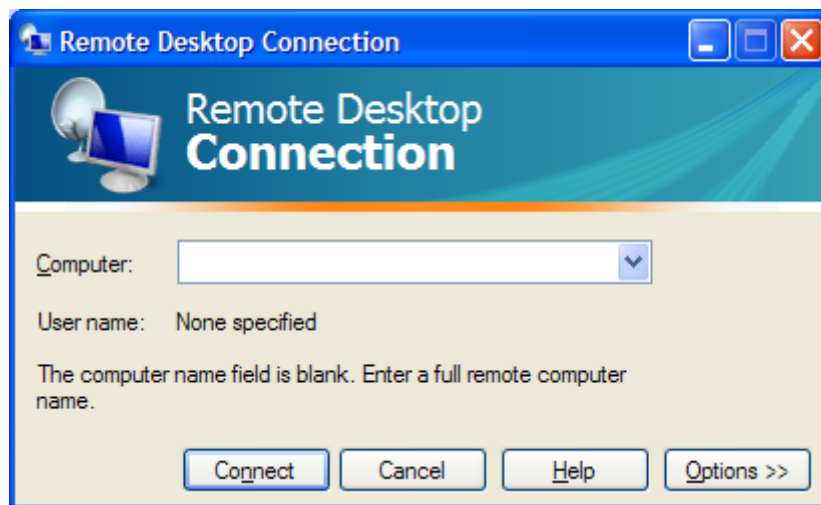
Then `ssh -i grupp13.pem ubuntu@172.16.0.103`

- `sudo apt-get update`
- `sudo apt-get install firefox`

We Logged on to our client via remote desktop:

Computer: 172.16.0.103

Login: gr13      password: gr13



Laboration 2 - Setting up a client with GUI in the cloud as well as installation of LAMP

Then by testing phpinfo() it worked