# Homework M1: Introduction to Linux and Virtualization

Main goal is to do a test installation of either **CentOS 8.3**, **openSUSE Leap 15.2**, or **Ubuntu 20.04**, but instead of minimal or server installation, this time you should do one with desktop environment. You are free to experiment with other distributions as well. In fact, let’s change the rules – **install two machines** – one with a distribution from the listed, and one with another one - chose one from [**https://distrowatch.com/**](https://distrowatch.com/)- it can be **any distribution** - **Debian**, **Mint**, **Mageia**, **PCLinuxOS**, etc.

**Machines Specifications**

Virtual machine should have the following parameters:

1. 1 CPU
2. 1536 MB RAM
3. 20GB HDD (thin provisioned)
4. 1 Network card

**Installation Related Tasks**

During the installation you should tune the following parameters:

1. Set the name of the host to: **[DISTRIBUTION\_NAME].lsa.lab**. For example, if you decide to install **openSUSE**, then the name should become **opensuse.lsa.lab**
2. Set the “**Full name**” of the **regular user** to **your full name**, and for **username** enter something by your choice. For example, if your full name is **Ivan Petkov**, then for the username you can use **ivan**;

## Proof

Log on to the desktop environment with the regular user created during the installation and do the following:

1. Open and maximize a terminal window;
2. Execute five or more of the demonstrated commands by your choice. For example:
   1. pwd
   2. ls -alF
   3. cat /etc/hostname
   4. uname -a
   5. date -u
   6. hostname
3. Then execute the **history** command
4. Make a screenshot of the machine using the functionality available in the used virtualization software or download the history file locally
5. Prepare a document that shows what and you did it