# Homework M1: Introduction to Linux and Virtualization

**Tasks**

Create **two virtual machines** (you do not have to use them simultaneously) with at least the following hardware parameters:

1. 1 CPU
2. 2048 MB RAM
3. 20GB HDD (thin provisioned)
4. 1 Network card (connected in NAT or External/Bridge mode)

For each of the machines (both should have different distributions installed) select a distribution from this list:

* **AlmaLinux OS 9.x** (<https://mirrors.almalinux.org/isos.html>)
* **CentOS Stream 9** (<https://www.centos.org/centos-stream/>)
* **Debian 12.x** (<https://www.debian.org/distrib/>)
* **Fedora 41 Workstation** (<https://getfedora.org/bg/workstation/download/>)
* **Kubuntu 22.04** or **24.04** (<https://kubuntu.org/getkubuntu/>)
* **Linux Mint 22.x** (<https://linuxmint.com/download.php>)
* **openSUSE Leap 15.6** (<https://get.opensuse.org/leap>)
* **Oracle Linux 9.x** (<https://yum.oracle.com/oracle-linux-downloads.html>)
* **Rocky Linux 9.x** (<https://rockylinux.org/download>)
* **Ubuntu Desktop 22.04** or **24.04** (<https://ubuntu.com/download/desktop>)
* **Xubuntu 22.04** or **24.04** (<https://xubuntu.org/download>)

Do an installation but with desktop environment (both VMs should have different) - **Cinnamon**, **GNOME**, **KDE**, **LXDE**, **LXQt**, **MATE**, or **Xfce**

During the installation make sure that

* You have created a ***regular user*** ***named after you***

*For example, if your name is* ***Ivan Petkov****, then the Full name of the user should be set to* ***Ivan Petkov*** *and the account (username) should be set to* ***ivan***

* Set the name of the machine to ***distribution.lsa.lab***

*For example, if the distribution is (for the rest, the logic is the same)*

* + ***Debian****, the name should be* ***debian.lsa.lab***
  + ***openSUSE Leap,*** *the name should be* ***opensuse.lsa.lab***
  + ***Oracle Linux****, the name should be* ***oracle.lsa.lab***

## Proof

After the installation is done, log on in the desktop with the regular user you created and open a **terminal emulator**

There execute one of the following commands (depending on which executable you have)

* Option 1 (**wget** installed, usually for **Debian**-based distributions)

**wget -q https://courses.zahariev.pro/m1.sh -O - | bash**

* Option 2 (**curl** installed, most of the distributions)

**curl -s https://courses.zahariev.pro/m1.sh | bash**

Repeat the procedure until you get as much **PASS** marks as possible

Once, satisfied by what you accomplished, use the homework template document (available in the section for the module – ***Домашно - M1 - Шаблон за решение***) and paste the link you received as a result

Also paste a screenshot (one or more) of the machine showing the open terminal emulator