Week 1: Task 2.

Installing Virtual Machines for Oracle VirtualBox.

1. Purpose of the work

Get the initial skills of working with Oracle VirtualBox Virtual Environment. Learn how to launch and log in to UNIX/Linux.

Other Popular Virtual Environments: QUEMI, VMWare ESX, Microsoft Hyper-V, XEN.

The Linux/UNIX console commands are used: **pwd, date, ping, tracepath, ifconfig, sudo, exit, logout, shutdown, apt, mc.**

2. Tasks for work

2.1. Install and test Oracle **VirtualBox** Virtual Environment. (Do only for your home Windows/Mac computer).

2.2. Select, install and test Linux VM from osboxes.org Ubuntu Virtual Machine Images for VirtualBox and VMware (osboxes.org) **or official web-site (for example, Ubuntu 22.04.1 LTS)**

2.3. Install and test pre-built **Windows 7, 8, 10** VM from microsoft.com (official free).

2.4. Install and test Windows Subsystem for Linux from Microsoft Store (Optional, do only for funs)

3. Report

Make a report about this work (**Screeshots 1-5**) and send it to the teacher.

Report for Lab Work 02: Installing Virtual Machines for Oracle VirtualBox.

Student Name Surname	Student ID	Date

Screenshots 1, 2, 3, 4, 5.

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4. GUIDELINES

4.1. INSTALLING VIRTUALBOX

Remark. Do only for your home Windows/Mac computer if VirtualBox is not already installed!

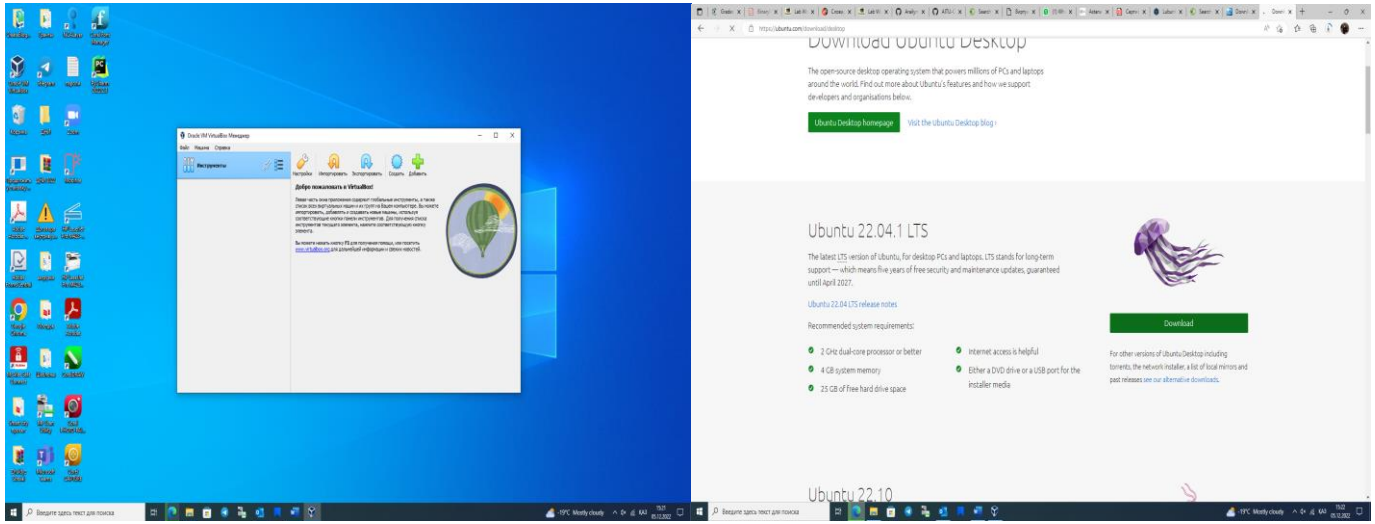
4.1.1. Read the article: https://m.wikihow.com/Install-Ubuntu-on-VirtualBox.
Virtual Box support OVA and VDI files.

- **OVA** – Open Virtualization Format Archive, which includes virtual machine settings – CPU, RAM, NET, other.
- **VDI** – default VirtualBox Disk Image format. VMDK – VM Ware disk (can split big file). VHD – Microsoft disk.

4.1.2. Download VirtualBox and Extensions Pack from here http://www.virtualbox.org/wiki/Downloads

4.1.3. Install VirtualBox, read help on site http://help.ubuntu.ru/wiki/virtualbox

4.2. Download and install Ubuntu 22.04.1 LTS: [Download Ubuntu Desktop | Download | Ubuntu]



4.3. Installation instructions by link: [How to run Ubuntu Desktop on a virtual machine using VirtualBox | Ubuntu]

4.3Test

Open “Bash on Linux on Windows”, and run the following commands:

sudo apt-get update sudo apt-get install -y mc