"Kyiv Vocational College of Communication"

Cyclic Commission of Computer Engineering

EXECUTION REPORT

**Work - Case #3**

**from the discipline: "Operating systems"**

**Topic:** WORK-CASES IN LINUX

a list of additional practical tasks

from the discipline "Operating Systems"

It was performed by students of the RPZ group - 03B

Team 6: Sichkar Maxim,

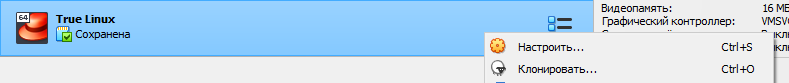
Brytyuk Bohdan

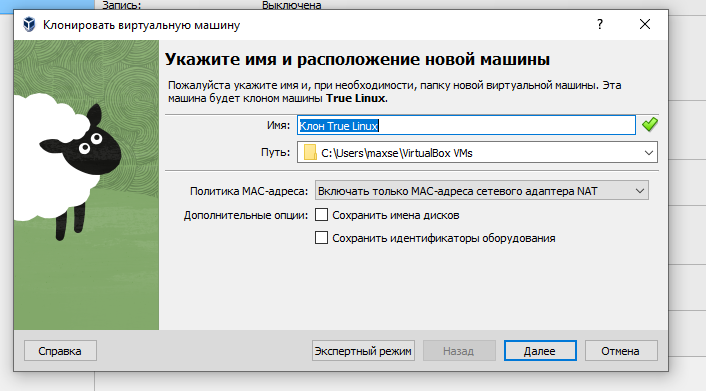
Kyiv 2023

**Work-case 3**

● Cloning of your virtual working OS (working example 2). How is this

can it be done? Demonstrate all stages;

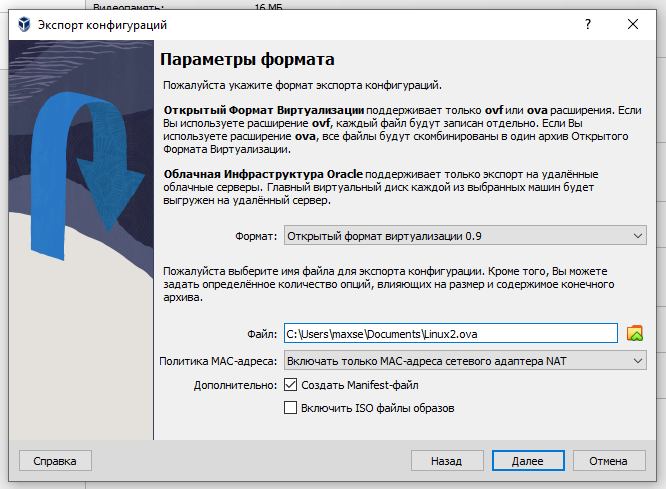
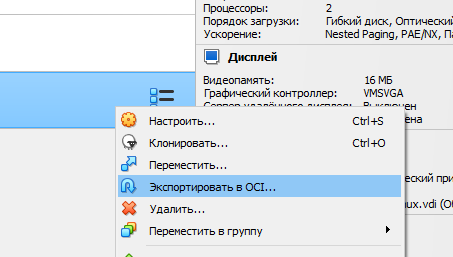




● It is possible to find the need to transfer (clone) the OS to another

virtual environment. What steps should be taken to export to your country

virtual working OS?

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**2. During operation, one working virtual machine can interact with another.**

**For this, it is necessary to deploy a network between them. Describe what types network connection organizations are supported in a virtual environment machines, what is the peculiarity of each of them:**

**● Network address translation (NAT);**

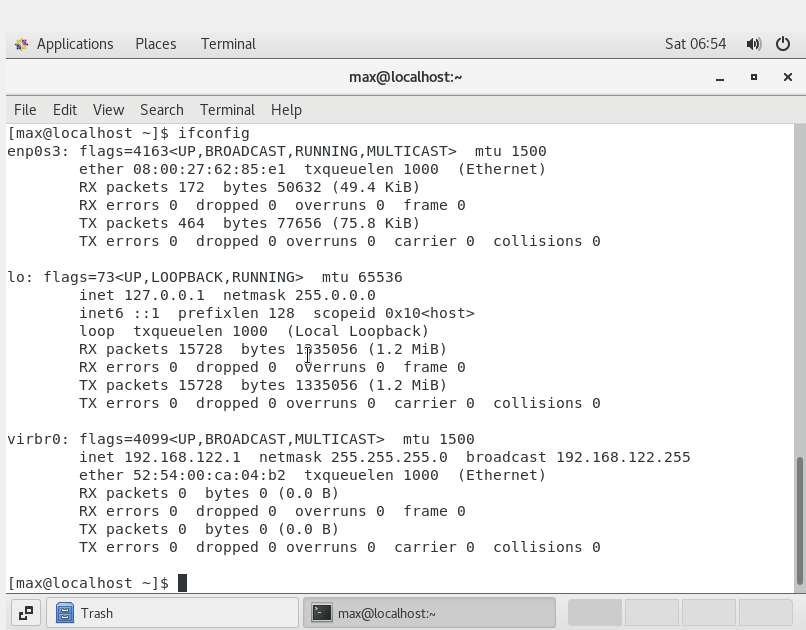
**● Network bridge (Bridged);**

**● Virtual host adapter (Host-only);**

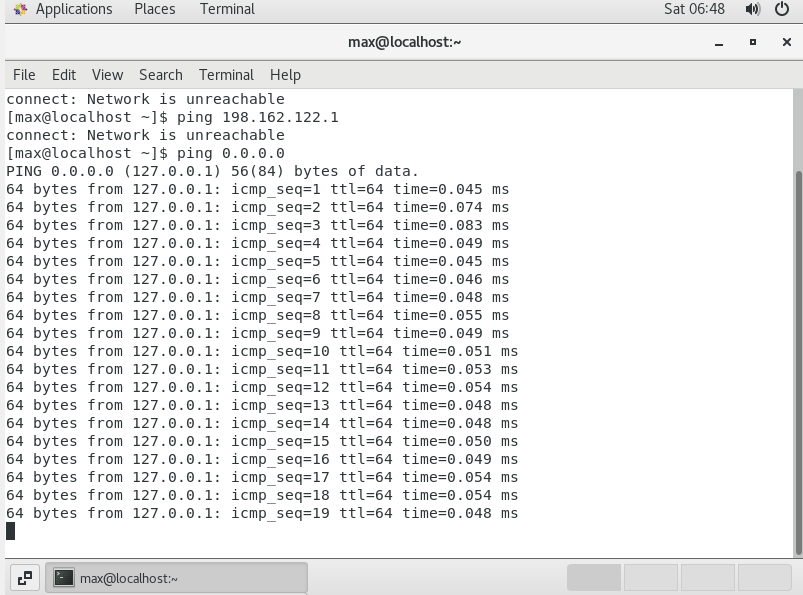
**● Internal network (Internal Network).**

**3. Deploy a network between your production OS and its clone (Task 1):**

**● Demonstrate basic network configuration commands OS options, explain what they do.**

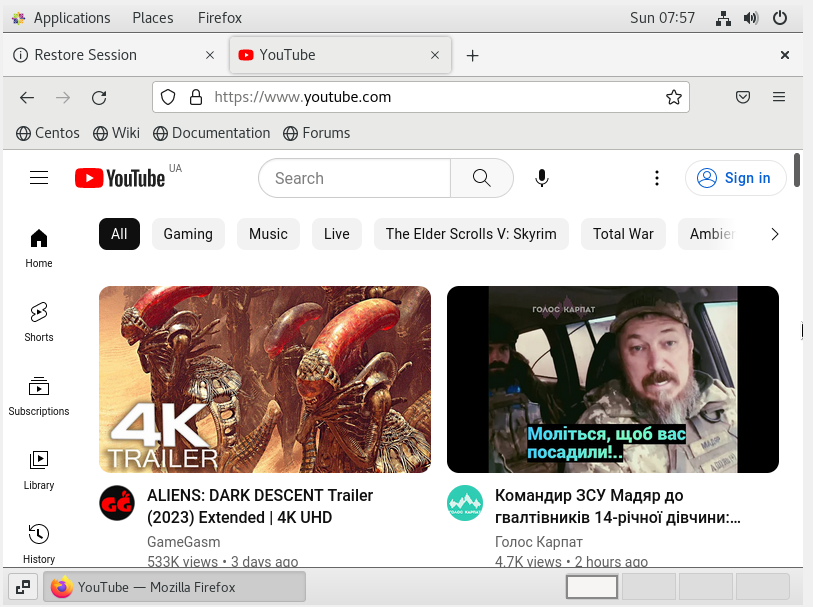
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ifconfig - Shows the configuration of network interfaces such as IP address, MAC address, subnet mask, packet counters, etc.



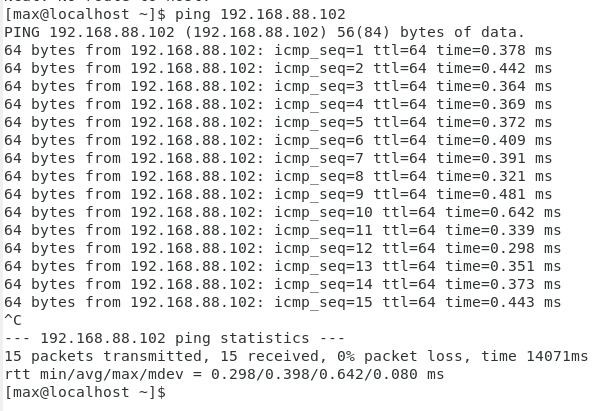
ping <address> - checks the availability of the specified address (for example, ping 8.8.8.8)

**● Both operating systems must have access to the Internet. Open your browser and watch any video on youtube**



**● Configure and demonstrate messaging between two OSes**

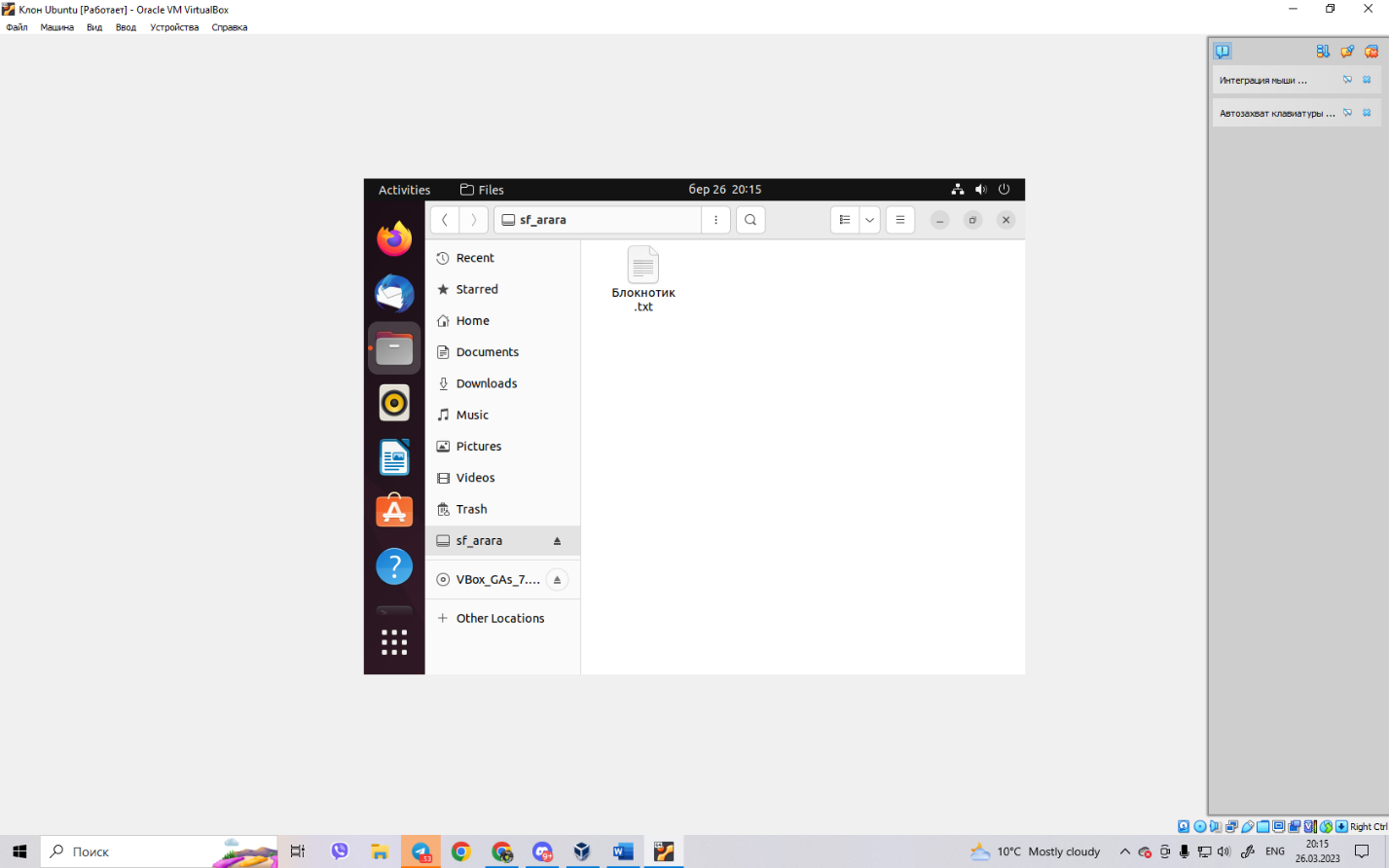
**local network. What commands should be entered in the terminal?**



**● Configure a shared network folder for both OSes. Try to copy**

**files from this directory to the user's home directory (virtual**

**working OS) and on the desktop (virtual working OS clone).**

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