“Kyiv Professional College of Communications”

Computer Engineering Cycle Commission

**PERFORMANCE REPORT**

**Work Case №3**

in the discipline: "Operating Systems"

Performed by students

RPZ-93B group

Team:

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The teacher checked:

Сушанова В.С.

**Tasks:**

1. In the Virtual Box work environment, VMWare Workstation (or another of your choice) must use:

- Clone your virtual workstation (Work-case 2). How can this be done? Demonstrate all the stages;

- It may be necessary to transfer (clone) the OS to another virtual environment. What should I do to export your virtual desktop?

2. During operation, one working virtual machine can interact with another. To do this, you need to deploy a network between them. Write what types of network aggregations are supported in virtual machines, especially each of them:

- Network address translation (NAT);

- Network bridge;

- Virtual host adapter (Host-only);

- Internal network.

3. Deploy the network between your operating OS and its clone (task 1):

- Demonstrate basic commands for configuring network parameters of the OS, explain what they use.

- Both operating systems have access to the Internet. Open a browser and watch any video on youtube

- Configure and demonstrate messaging between two operating systems on the local network. What commands in the terminal must be entered?

- Configure a shared network folder for both operating systems. Try copying files from this directory to the user's home directory (virtual desktop) and desktop (virtual desktop clone).

4. How can I organize the exchange between your main OS (for example, Windows) and virtual OS? Copy the free audio file from your main OS to the virtual OS desktop and its clone. How do I do the opposite when I need to copy a document from the virtual OS desktop to your main desktop OS?

**Conclusion:**