

## LAB 4 – REMOTE GUI APPLICATIONS

### Description:

Most of the time system administrators are perfectly okay with working in a remote server using an SSH connection with no graphical interface. The reasons for allowing or not allowing a remote graphical access to a Linux box vary and usually depend on who uses the server and what the purpose of it is.

If the decision to provide servers' users with a remote graphical interface is taken and granted, there are several options to choose from, both commercial and free versions. Some are, of course, similar in their functionality and features but differ in the approach.

You are asked to research some of the applications that allow remote graphical access. Select and install **three** of the applications listed below in your virtual machine. Review and compare the applications you install. There is no particular format you must follow when comparing them, but you must include all the deliverables listed below.

The applications are:

- A. NoMachine
- B. TeamViewer
- C. Cendio Thinlinc
- D. TightVNC
- E. X2Go
- F. FreeNX
- G. Xpra
- H. Your choice of any remote desktop application not listed.

### Deliverables:

You are required to install **three** of the applications. You need to submit screenshots showing successful remote connections from each of the applications you installed. You are also required to submit a report (Word document) that includes:

1. Your comparison of the **three** applications you installed (your review)
2. A statement declaring your favorite one and a summary of the reason why it is your favorite one, or the one you dislike the least
3. Then answer the following questions for each of the applications you installed:
  - a. Cost
  - b. Licensing
  - c. Number of concurrent connections allowed (simultaneous clients)
  - d. Supported platforms (windows, Linux, Mac?)
  - e. Best usage area/situation (according to the authors/company and you)
  - f. File transfer capability and process of doing it (between local and remote computer/server)
  - g. Encryption (communication local-remote-local encrypted?)
  - h. Installation problems (any issue you had when installing the server or client)

Please do your best to provide professional quality corporate communication; something that you would expect to provide a manager prior to the acquisition of a tool.

Use the assignment link in Canvas to submit the document.