ANNEX A · THREE SYSTEMS, UP TO DATE

NAME _____ **DATE** _____

Tasks 1–5 are in your VM `win11`. Tasks 6–7 are in `deb-lab` and `ubu-srv` (shut `win11` down first). Write what you see: there are no marks today, but tomorrow's practical uses all of it.

TASKS 1–3 · 20 MIN

TASK 1 What is Windows waiting for?

Start → **Settings** → **Windows Update** → **Check for updates**. Let it download. Do not restart yet. Then open **Update history**.

Name of the newest Quality update (it has a `KB` number) and its date:

_____

DONE WHEN you wrote a KB number, and the download is running in the background.

TASK 2 winget: search, look, install

Right-click the Start button → **Terminal**. Type each line. The first time, winget asks you to accept the source terms: answer `Y`.

```
winget --version
winget search 7zip
```

The **Id** of the program called 7-Zip: _____

```
winget show --id 7zip.7zip -e
winget install --id 7zip.7zip -e
winget list
```

`-e` means exact. A window may dim the screen and ask for permission: that is Windows asking for administrator rights. Which version of 7-Zip did you get?

_____

DONE WHEN 7-Zip is in the Start menu and in `winget list`.

TASK 3 winget: upgrade and uninstall

```
winget upgrade
```

How many programs can be upgraded? _____ Did this command install anything? _____

```
winget uninstall --id 7zip.7zip -e
winget list
```

DONE WHEN 7-Zip is gone from `winget list`, and you can say what `winget upgrade --all` would do.

TASKS 4–5 · 20 MIN

TASK 4 The classic way: an installer

Open **Edge**. Go to the official site of **Notepad++** by typing its address: `notepad-plus-plus.org`. Download the installer and install the program. Make a mark for every click from the web page to "Finish".

Number of clicks: _____ Name of the file you downloaded:

_____

Find the file in **Downloads**, right-click → **Properties**. Is there a **Digital Signatures** tab? Who signed it?

_____

The same job with winget would be one line. Write it (do not run it):

_____

DONE WHEN Notepad++ opens, and your line starts with `winget install`.

TASK 5 Uninstall, and the Store

Settings → **Apps** → **Installed apps** → find Notepad++ → the three dots → **Uninstall**.

Open the **Microsoft Store**. Find the page that lists your apps and their updates (**Library** or **Downloads**). How many updates are waiting?

_____

DONE WHEN Notepad++ is not in the list of installed apps any more.

TASKS 6–7 · 20 MIN

TASK 6 The two Linux machines

In `deb-lab`:

```
cat /etc/debian_version
sudo apt update
sudo apt upgrade
apt list --upgradable
```

Debian version: _____ Packages upgraded: _____

In `ubu-srv`:

```
sudo apt update
sudo apt upgrade
ls /var/run/reboot-required
cat /etc/apt/apt.conf.d/20auto-upgrades
sudo do-release-upgrade -c
```

Does the file `reboot-required` exist? What does that mean?

What does the last command answer? (It only checks. It changes nothing.)

DONE WHEN both machines have nothing left to upgrade, and you know if `ubu-srv` needs a restart.

TASK 7 **Who updates what?**

Fill in the table from what you did today.

	win11	deb-lab	ubu-srv
System updates: tool			
App updates: tool			
Automatic?			
Restart needed?			

DONE WHEN all twelve boxes have an answer you could defend.

EXIT TICKET

1. WannaCry spread on 12 May 2017. The update that closed the hole was published…

- ☐ **A** the same day
- ☐ **B** one week later
- ☐ **C** two months earlier
- ☐ **D** one year later

2. What does `winget upgrade`, with nothing after it, do?

- ☐ **A** Upgrades every program
- ☐ **B** Lists the programs that can be upgraded
- ☐ **C** Upgrades Windows itself
- ☐ **D** Uninstalls old versions

3. Which of these is a release upgrade?

- ☐ **A** Ubuntu 24.04 → Ubuntu 26.04
- ☐ **B** Installing November's security update
- ☐ **C** `sudo apt update`
- ☐ **D** `winget install --id 7zip.7zip -e`

4. End of support of an operating system means that…

- ☐ **A** it stops working that day
- ☐ **B** you must pay to start it
- ☐ **C** its programs are uninstalled
- ☐ **D** it gets no more security updates

5. You need the same ten programs on thirty new Windows PCs. The best door:

- ☐ **A** Download thirty times from each web page
- ☐ **B** winget, with the ten lds
- ☐ **C** Wait for Windows Update to bring them
- ☐ **D** Copy the Program Files folder