ANNEX A · THE TRAMUNTANA OFFICE SERVER: PROJECT CHECKLIST

Name: _____ **Date:** _____

How to use it. These are the twelve lines of your project brief. First run **every** check (10 minutes) and mark each line: tick = I saw it work **today**, cross = it failed. Then repair the crosses, the worst first. Where: **S** = on `ubu-srv` (`ssh srv`), **D** = on `deb-lab`, **W** = on `win11`.

N.	The server must…	Check	OK
1	have a fixed address, and a name the clients resolve	S: `ip -br a` → `192.168.122.10` · D: `ping -c 1 ubu-srv`	☐
2	have the company's groups and users, with no user who has more power than the job needs	S: `getent group dev design admin sudo` · `sudo grep -n admin /etc/sudoers` → the line starts with `#`	☐
3	accept remote administration by SSH with keys only: no passwords, no root login	D: `ssh srv` · S: `sudo sshd -T | grep -Ei 'passwordauth|permitroot'`	☐
4	share a common folder that opens from Windows and from Linux	D: `smbclient //ubu-srv/common -U marta -c ls` · W: `\\192.168.122.10\common`	☐
5	share one folder per department: each department writes in its own, nobody else gets in, `admin` can read `dev`	D: `smbclient //ubu-srv/dev -U marta -c ls` works; `-U joan` → denied; `-U aina` lists but cannot `put`	☐
6	export a projects folder by NFS to the Linux clients, mounted at boot	D: `findmnt /mnt/projects` and `grep nfs /etc/fstab`	☐
7	offer a shared print queue	S: `lpstat -p office-pdf` · D: `lpstat -h ubu-srv -p`	☐
8	run an application and its database in containers, with data that survives a restart	S: `cd ~/app && podman compose ps` → two Up; `podman volume ls` · D: `curl -I http://ubu-srv:8080`	☐
9	apply user rights and security policies that fit the company	S: `sudo cat /etc/sudoers.d/tramuntana` and `sudo -l -U marta`	☐
10	work with the domain `tramuntana.internal`: domain accounts, `win11` joined	W: sign in as `TRAMUNTANA\marta`, then `gpresult /r` lists `TA-Login-Banner`	☐
11	be hardened: firewall, updates, protection against password guessing, a scan of your own server	S: `sudo ufw status verbose` · `sudo fail2ban-client status sshd` · `cat /etc/apt/apt.conf.d/20auto-upgrades` · D: `nmap ubu-srv`	☐
12	have a complete log: `~/server-log.md`, one entry per session	S: `less ~/server-log.md` — an entry for each date of the brief, today included	☐

DONE WHEN every line has a tick or a cross that you got **today**.

My crosses, the worst first, and what I will try:

What is still missing on Tuesday (be exact: "line 6: `/mnt/projects` is not mounted at boot"):

PEER CHECK Done by a classmate, from **my** `deb-lab`. Checked by: _____

- ☐ `smbclient //ubu-srv/dev -U marta -c ls` lists the folder
- ☐ the same as joan is denied
- ☐ `curl -I http://ubu-srv:8080` answers `200`
- ☐ `nmap ubu-srv` shows only doors I can name

After the peer check: today's entry in `~/server-log.md`, then a snapshot of `ubu-srv` called `workshop-1405`.

EXIT TICKET Circle one answer.

1. `curl -I http://localhost:8080` works on the server but `curl -I http://ubu-srv:8080` fails from `deb-lab`. First suspect?
a) the database volume b) the firewall, or the port published only on 127.0.0.1 c) the SSH key
d) the domain controller

2. The Gitea container stops a few seconds after it starts. Where do you look first?
a) `sudo ufw status` b) `gpresult /r` c) `testparm -s` d) the container's logs

3. Which check proves that the `dev` share is correctly protected?
a) marta gets in and joan is denied, both tried from another machine b) `smbd` is running
c) the folder exists on the server d) root can read the folder

4. After `podman compose down` and `up`, every repository of Tramuntana Git is gone. What was missing?
a) a firewall rule b) a domain group c) a volume d) an SSH key