Peer Review Checklist - Ubuntu Configuration v1.1

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Reviewed By:
Reviewed On:
Signed:

1) Installation & Physical Setup

- Verify device label hostname on each device: `hostnamectl --static`
  - **Pass:** Name matches the plan.
- Cabling / ports match the **Network Diagram** (NIC names, switch ports)
  - **Pass:** Cables/ports match; link LEDs on.

Device	Pass	To Fix
Sender	☐	☐
Receiver	☐	☐

2) Packages & Tools

- Check PCs that required packages are present: `apt list --installed | grep d-itg`
  - **Pass**: `d-itg` listed.
- Check OS is up-to-date: `sudo apt update && sudo apt upgrade -y`
  - Pass: `All packages are up to date` is returned when updated.

Device	Pass	To Fix
Sender	☐	☐
Receiver	☐	☐

3) Base OS
On each device:

- DHCP is off in netplan: `grep -R "dhcp" /etc/netplan/*.yaml`
  - **Pass**: `dhcp4: no` and `dhcp6: no`
- Speed up networking at boot: `systemctl cat systemd-networkd-wait-online | sed -n '1,120p`
  - **Pass**: override contains `--any` and a shorter timeout (e.g., `Timeout=5`)
- Unstable Nouveau driver blacklisted & initramfs updated: `ls /boot | grep initrd`
  - **Pass**: blacklist file exists with `blacklist nouveau` ; initramfs present

Device	Pass	To Fix
Sender	☐	☐
Receiver	☐	☐
Router1	☐	☐

Device	Pass	To Fix
Router2	☐	☐

4) Addressing & Routing
On Each Device:

- IPs correct: `ip -4 a; ip -6 a`
  - **Pass**: IPv4/IPv6 addresses match the plan for that device.
- Routes correct: `ip r; ip -6 r`
  - **Pass:** Static routes match the plan (right networks and next hops).
- Netplan applied (no pending changes): `sudo netplan get | head -n 50`
  - **Pass:** Output reflects the configured static addresses/routes (and `dhcp: no`).

Routers:

- Forwarding on: `sysctl net.ipv4.ip_forward net.ipv6.conf.all.forwarding`
  - **Pass**: `= 1` for both
- Check firewall is disabled: `sudo ufw status verbose`
  - **Pass:** `Status: inactive`

Device	Pass	To Fix
Sender	☐	☐
Receiver	☐	☐
Router1	☐	☐
Router2	☐	☐

5) Time Sync (chrony) & Validation
On Each Device:

- Config references the lab server and allows LANs (spot-check): `grep -E 'server 192\.168\.10\.1|allow 192\.168' /etc/chrony.conf`
  - **Pass:** shows `server 192.168.10.1 iburst` on Router2 and both client PCs, and `allow lines for lab subnets` on Router1.
- Tracking and sources are healthy: `chronyc tracking; chronyc sources -av`
  - **Pass:** `Leap status: Normal`
- Connectivity sanity: `ping -c2 <peer_v4>; ping6 -c2 <peer_v6>`
  - **Pass:** Replies received from expected peers (e.g., PC↔Router↔PC).

Device	Pass	To Fix
Sender	☐	☐
Receiver	☐	☐
Router1	☐	☐

Device	Pass	To Fix
Router2	☐	☐