Router Configuration Checklist - Ubuntu v1.0

Created By: Larissa | **Verified By:** Nathan | **Date:** 23/04/25 | **Version:** 1.0

Device	Configured By	Signature	Backup	Date Configured	Peer Reviewer	Date Reviewed
SENDER						
RECEIVER						
ROUTER1						
ROUTER2						

Other Items Needed	Ready
Smartphone with data / hotspot	☐
USB-A to Lightning Cable *or* USB-C to Lightning Cable	☐

1) Installation & Physical Setup

Task	LAB	SENDER	RECEIVER	ROUTER1	ROUTER2
Install Ubuntu (version noted)	☐	☐	☐	☐	☐
Ensure physical connections match Technical Infrastructure Diagram	☐	☐	☐	☐	☐

2) Packages & Tools

Task	LAB	SENDER	RECEIVER	ROUTER1	ROUTER2
Connect mobile hotspot and install packages	☐	—	—	—	—
Mount external drive at `/mnt`	—	☐	☐	☐	☐
Install D-ITG `sudo apt install d-itg`	—	☐	☐	—	—

3) Base OS (All Devices)

Task	SENDER	RECEIVER	ROUTER1	ROUTER2
Disable DHCP on all interfaces	☐	☐	☐	☐

Task	SENDER	RECEIVER	ROUTER1	ROUTER2
`cloud-init` disabled (`/etc/cloud/cloud-init.disabled`)	☐	☐	☐	☐
`motd-news` disabled (`/etc/default/motd-news`)	☐	☐	☐	☐
Update-MOTD scripts non-exec	☐	☐	☐	☐
Shorten wait-online (override service)	☐	☐	☐	☐
Blacklist `nouveau` + rebuild initramfs	☐	☐	☐	☐

4) Addressing & Routing

Task	SENDER	RECEIVER	ROUTER1	ROUTER2
Static IPv4 configured per plan	☐	☐	☐	☐
Static IPv6 configured per plan	☐	☐	☐	☐
Static routes entered per plan	☐	☐	☐	☐
Apply netplan: `sudo netplan apply`	☐	☐	☐	☐
Confirm IP address: `ip a`	☐	☐	☐	☐
IP forwarding enabled (routers only)	—	—	☐	☐
UFW disabled (and status confirmed)	☐	☐	☐	☐

5) Time Sync (chrony) & Validation

Task	SENDER	RECEIVER	ROUTER1	ROUTER2
Chrony configured (local stratum / allow LANs)	☐	☐	☐	☐
Chrony server set: `server 192.168.10.1 iburst`	☐	☐	☐	☐
Reboot after chrony changes	☐	☐	☐	☐
Verify `chronyc tracking`	☐	☐	☐	☐
Verify `chronyc sources -av`	☐	☐	☐	☐
Sanity check: `sudo netplan get` or `ip a` / `ip r`	☐	☐	☐	☐

Connectivity

Task	SENDER	RECEIVER	ROUTER1	ROUTER2
Ping each device (IPv4 & IPv6)	☐	☐	☐	☐