

Peer Review Checklist - Fedora Configuration v1.0

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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.
- Confirm Netplan is installed: `dnf list installed netplan`
 - **Pass:** `netplan` listed under `Installed Packages`

Device	Pass	To Fix
Sender	<input type="checkbox"/>	<input type="checkbox"/>
Receiver	<input type="checkbox"/>	<input type="checkbox"/>

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 dnf upgrade -y`
 - **Pass:** `Nothing to do. Complete!` is returned when updated.

Device	Pass	To Fix
Sender	<input type="checkbox"/>	<input type="checkbox"/>
Receiver	<input type="checkbox"/>	<input type="checkbox"/>

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

Routers:

- NetworkManager is disabled ``systemctl status NetworkManager``
 - **Pass:** disabled/ masked & inactive (dead)
- **systemd-networkd installed & enabled:** `systemctl status systemd-networkd`
 - **Pass:** enabled & active (running)

Device	Pass	To Fix
Sender	<input type="checkbox"/>	<input type="checkbox"/>
Receiver	<input type="checkbox"/>	<input type="checkbox"/>
Router1	<input type="checkbox"/>	<input type="checkbox"/>
Router2	<input type="checkbox"/>	<input type="checkbox"/>

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: `systemctl status firewalld`
 - **Pass:** `Active:inactive (dead)`

Device	Pass	To Fix
Sender	<input type="checkbox"/>	<input type="checkbox"/>
Receiver	<input type="checkbox"/>	<input type="checkbox"/>
Router1	<input type="checkbox"/>	<input type="checkbox"/>
Router2	<input type="checkbox"/>	<input type="checkbox"/>

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	<input type="checkbox"/>	<input type="checkbox"/>
Receiver	<input type="checkbox"/>	<input type="checkbox"/>
Router1	<input type="checkbox"/>	<input type="checkbox"/>

Device	Pass	To Fix
Router2	<input type="checkbox"/>	<input type="checkbox"/>