★ Starfleet OS Install & Boot Checklist ★

Stardate 2025-08-26 23:11

0. Hardware Layout

Inspiron (Server): 80GB SSD (OS), 1TB LOGS, 500GB VIDEO, 500GB BACKUP
OptiPlex (Control): 128GB SSD (OS/UI/AI), 500GB MODELS, (Optional) 500GB GRAFANA

1. Inspiron Install (Server)

Label: e2label /dev/sdX1 LOGS ; e2label /dev/sdY1 VIDEO ; e2label /dev/sdZ1 BACKUP
Copy installer: cp /USB/STARFLEET_INSTALL_SERVER.run ~/
Run: chmod +x ~/STARFLEET_INSTALL_SERVER.run && ./STARFLEET_INSTALL_SERVER.run
Reboot when prompted.

2. OptiPlex Install (Control)

Label: e2label /dev/sdA1 MODELS ; (optional) e2label /dev/sdB1 GRAFANA
Copy installer: cp /USB/STARFLEET_INSTALL_CONTROL.run ~/
Run: chmod +x ~/STARFLEET_INSTALL_CONTROL.run && ./STARFLEET_INSTALL_CONTROL.run
Reboot when prompted. Expect LCARS Plymouth splash + Chromium dashboard.

3. Post-Reboot Checks (Inspiron)

systemctl status starfleet_controlpanel
curl -s http://127.0.0.1:5080/ping → expect {"ping":"pong"}
mount | egrep '/srv/(logs|video|backup)'

4. Post-Reboot Checks (OptiPlex)

systemctl status starfleet_controlpanel
curl -s http://127.0.0.1:5080/ping → expect {"ping":"pong"}
mount | egrep '/srv/(models|grafana)'

5. WireGuard Mesh

On Inspiron: wg_mesh_setup.sh --address 10.31.0.1/24 ; cat /etc/wireguard/publickey
On OptiPlex: wg_mesh_setup.sh --address 10.31.0.2/24 ; cat /etc/wireguard/publickey
Exchange keys; CSV lines:
  OPTIPLEX,<OPTIPLEX_PUBKEY>,192.168.0.102,51820,10.31.0.2/32
  INSPIRON,<INSPIRON_PUBKEY>,192.168.0.101,51820,10.31.0.1/32
Add peers with wg_mesh_setup.sh --peer
Verify: sudo wg show ; ping -c3 10.31.0.2 / 10.31.0.1

6. Collective Control (OptiPlex)

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Open ~/starfleet_control/collective_control.html
Token: /etc/starfleet/controlpanel.env (SUPER)
Peer URL: https://10.31.0.1 (via WG)
BasicAuth: ogre / generated password
Expect: Left = OptiPlex JSON ; Right = Inspiron JSON

Quick Ref

Inspiron: label LOGS/VIDEO/BACKUP ; run SERVER installer
OptiPlex: label MODELS/GRAFANA ; run CONTROL installer
Check: systemctl status ; curl -s 127.0.0.1:5080/ping ; mount | egrep '/srv/'
WireGuard: wg_mesh_setup.sh on both ; exchange keys ; verify ping
Collective: open collective_control.html ; token + BasicAuth ; view both nodes