Starfleet OS Install & Boot Checklist

Stardate 2025-08-26 23:07

# 0. Hardware Layout

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

# 1. Inspiron Install (Server)

* Label drives: sudo e2label /dev/sdX1 LOGS ; sudo e2label /dev/sdY1 VIDEO ; sudo e2label /dev/sdZ1 BACKUP
* Copy installer: cp /run/media/<user>/<USB\_LABEL>/STARFLEET\_INSTALL\_SERVER.run ~/
* Run: chmod +x ~/STARFLEET\_INSTALL\_SERVER.run && ./STARFLEET\_INSTALL\_SERVER.run
* Reboot when prompted.

# 2. OptiPlex Install (Control Center)

* Label drives: sudo e2label /dev/sdA1 MODELS ; (optional) sudo e2label /dev/sdB1 GRAFANA
* Copy installer: cp /run/media/<user>/<USB\_LABEL>/STARFLEET\_INSTALL\_CONTROL.run ~/
* Run: chmod +x ~/STARFLEET\_INSTALL\_CONTROL.run && ./STARFLEET\_INSTALL\_CONTROL.run
* Reboot when prompted. Expect LCARS Plymouth splash + Chromium LCARS 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 (Borg Collective)

* On Inspiron: sudo bash ~/starfleet\_server/wg\_mesh\_setup.sh --address 10.31.0.1/24
* View public key: cat /etc/wireguard/publickey
* On OptiPlex: sudo bash ~/starfleet\_control/wg\_mesh\_setup.sh --address 10.31.0.2/24
* View public key: cat /etc/wireguard/publickey
* Exchange keys, build peer 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 / ping -c3 10.31.0.1

# 6. Collective Control (OptiPlex)

* Open ~/starfleet\_control/collective\_control.html in Chromium.
* Paste SUPER token from /etc/starfleet/controlpanel.env
* Peer URL: https://10.31.0.1 (over WG)
* BasicAuth: user=ogre, pass=generated at install
* Expect: Left = OptiPlex JSON, Right = Inspiron JSON

★ Quick Ref (Condensed) ★

## Inspiron Install

* e2label drives (LOGS, VIDEO, BACKUP)
* chmod +x ~/STARFLEET\_INSTALL\_SERVER.run && ./STARFLEET\_INSTALL\_SERVER.run

## OptiPlex Install

* e2label drives (MODELS, GRAFANA optional)
* chmod +x ~/STARFLEET\_INSTALL\_CONTROL.run && ./STARFLEET\_INSTALL\_CONTROL.run

## Post-Reboot

* systemctl status starfleet\_controlpanel
* curl -s http://127.0.0.1:5080/ping
* mount | egrep '/srv/'

## WireGuard Mesh

* wg\_mesh\_setup.sh --address 10.31.0.1/24 (Inspiron)
* wg\_mesh\_setup.sh --address 10.31.0.2/24 (OptiPlex)
* Exchange public keys, add peers, verify with ping

## Collective Control

* Open collective\_control.html
* Token = SUPER from env
* Peer URL = https://10.31.0.1
* BasicAuth = ogre / generated