# Horizon Cost Structure

Lynne Jeffries - 2025-10-15 - [Horizon VDI](#)

## Cost Structure

**Gold Environment**

Full network/internet access
Default environment for other work

**Semi-Persistent**
- Moderate resource allocation
- Standard applications pre-installed
- Customizations persist until image refreshed
- Persistent internal file shares for projects
- Chargeback flat rate plus dynamic for storage used

**Dedicated Services**
- Higher resource allocation (GPU's available)
- Custom application installs/files persist
- Runs continuously
- Chargeback flat rate plus dynamic for storage used

**Black Environment**

Brokered file transfers
Default environment for VCUHS data

**Non-Persistent**
- Moderate resource allocation
- Standard applications pre-installed
- "Clean" image on reboot
- Persistent internal file shares for projects
- No chargeback where use is institutionally required for VCUHS data

**Dedicated Services**
- Higher resource allocation (GPU's available)
- Custom application installs/files persist
- Runs continuously
- Chargeback flat rate plus dynamic for storage used

## Billing Rates

- Costs will be allocated to the system based primarily in <u>two categories</u>:
  - Virtual machines (VM's)
  - Storage
- Charges per VM are flat based on the capabilities of the machine
- Storage charges are usage-based above a given allocation
- Hosting costs are subsidized by the VCU Technology Operations Center (TOC)

| Service and Support | VCUHS PHI Data (Mandated Use) | Other Use |
|---|---|---|
| 1. Black Environment (High Security) Non-Persistent Machine | Waived | $100/mo |
| 2. Black Environment (Standard Security) Persistent Machine | n/a | $150/mo |
| 3. Gold Environment (Standard Security) Non-Persistent Machine | n/a | $100/mo |
| 4. Gold Environment (Standard Security) Persistent Machine | n/a | $150/mo |
| 5. Add 8GB GPU | $25/mo | $25/mo |
| 6. Data Storage (persistent storage on outside-VM share) | Waived below 10 GB | $.02/GB/mo |
| 7. Data Backup | Waived below 10 GB | Passthrough of costs from UCC |