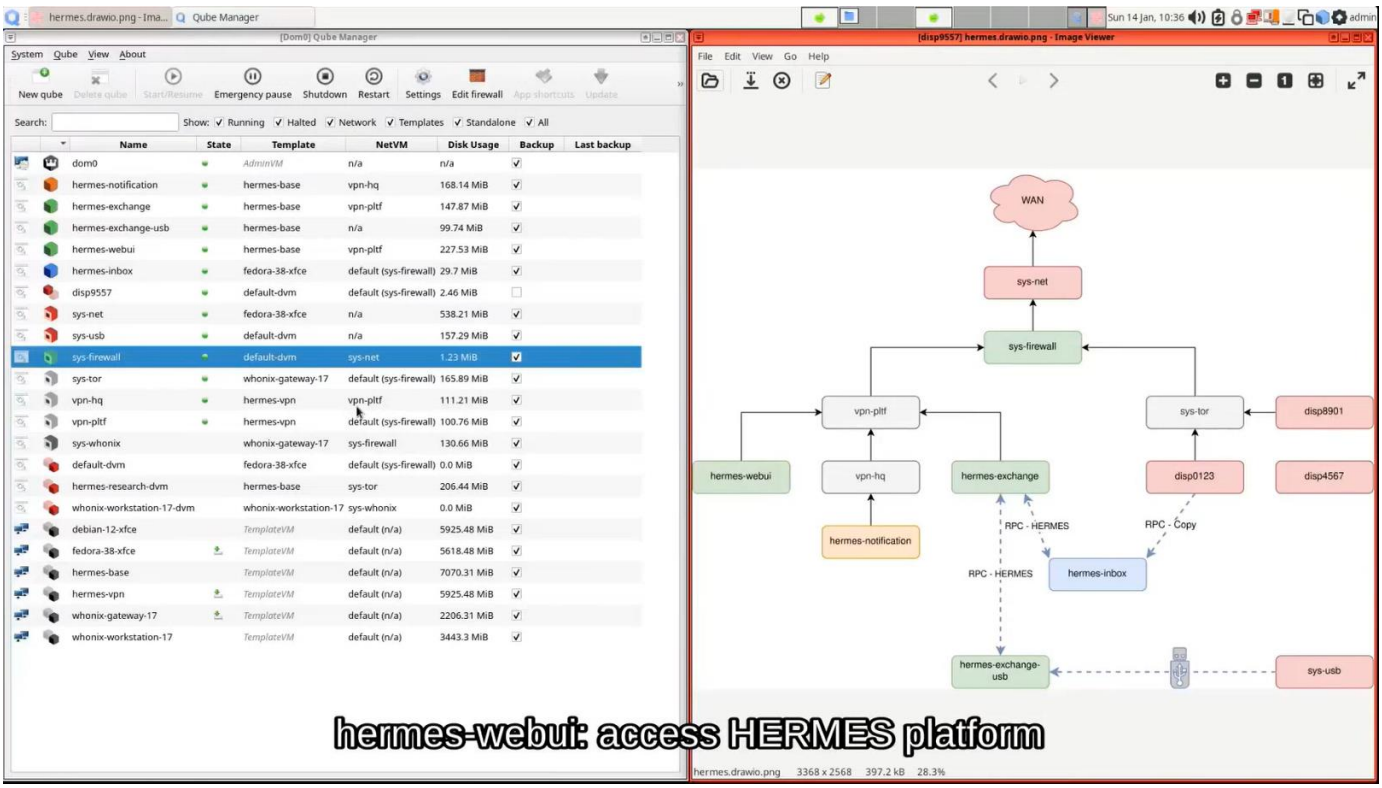
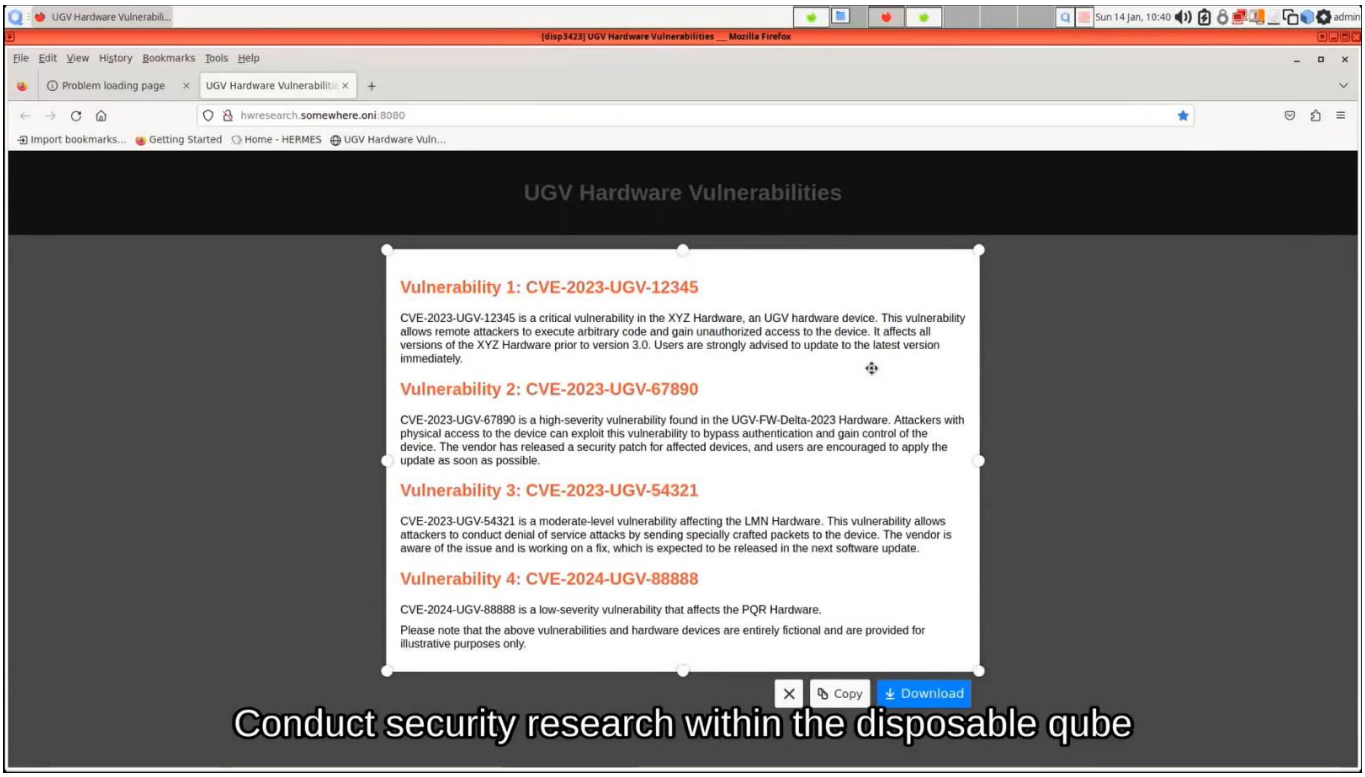
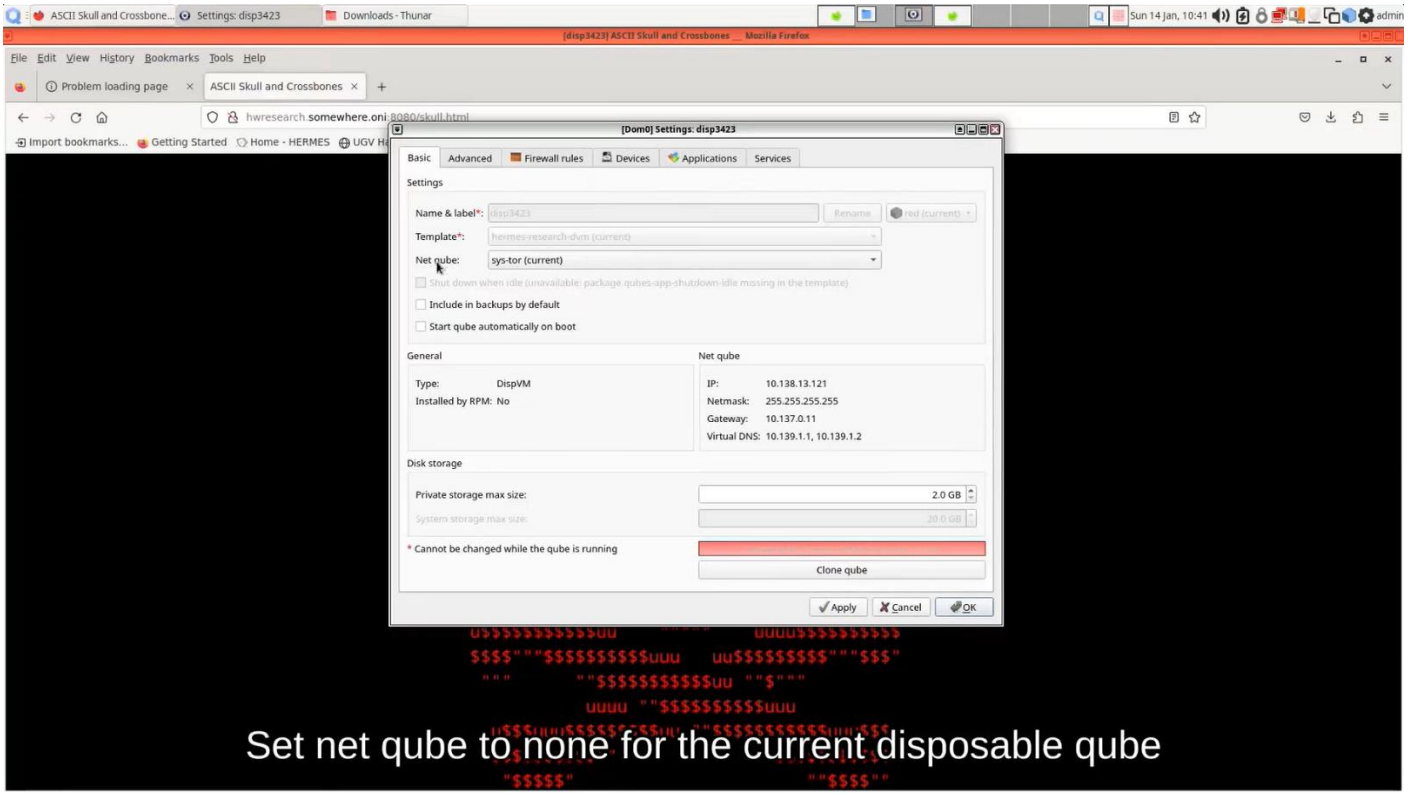
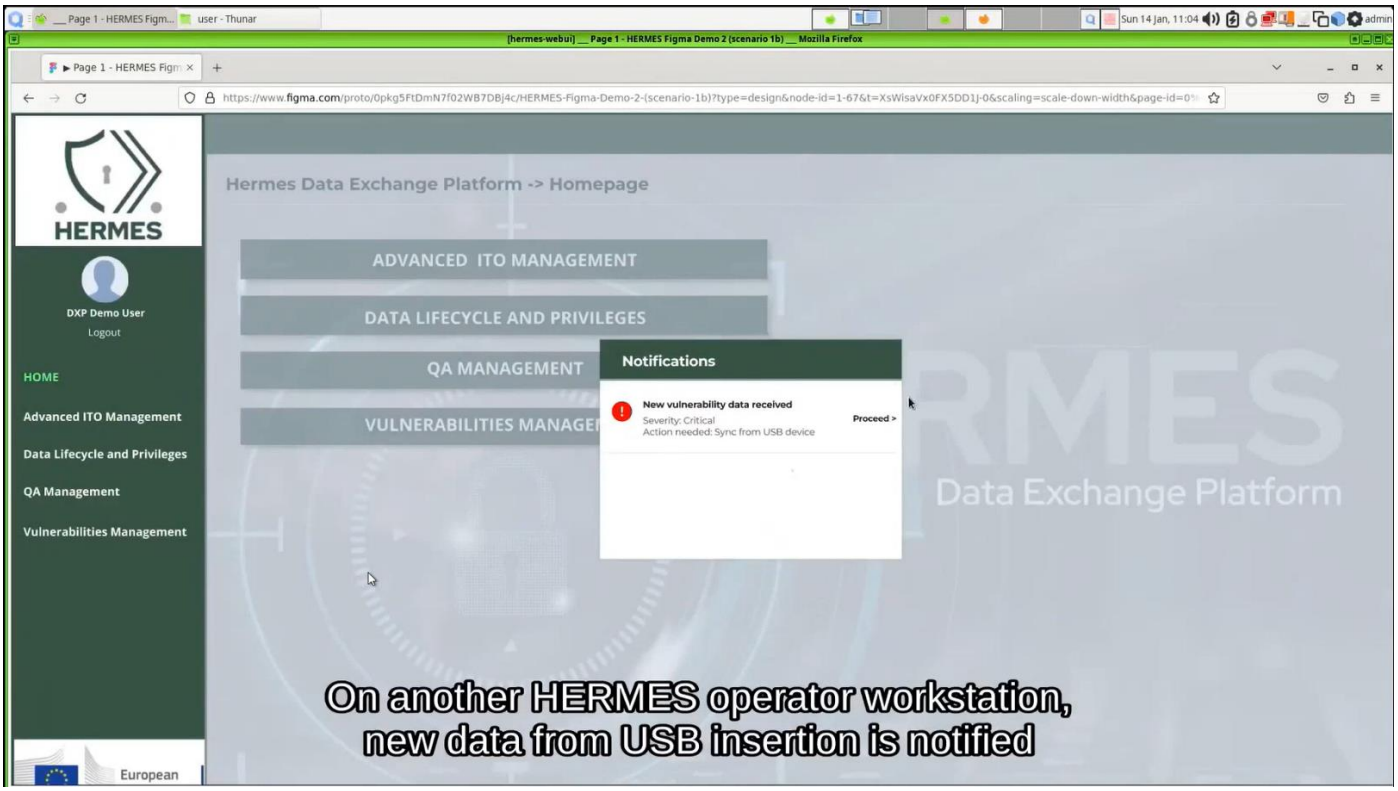
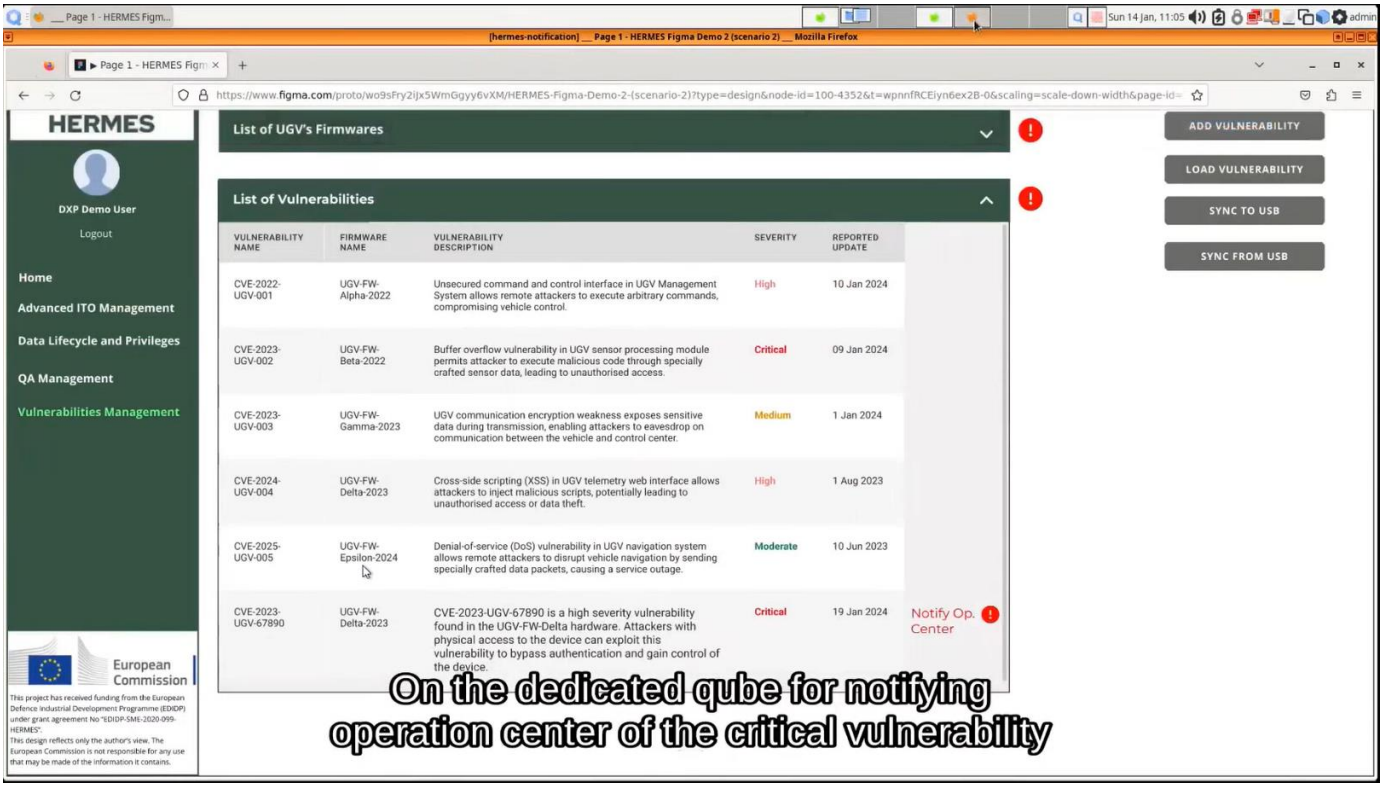
Qubes OS Functionality (Selective Screenshots)

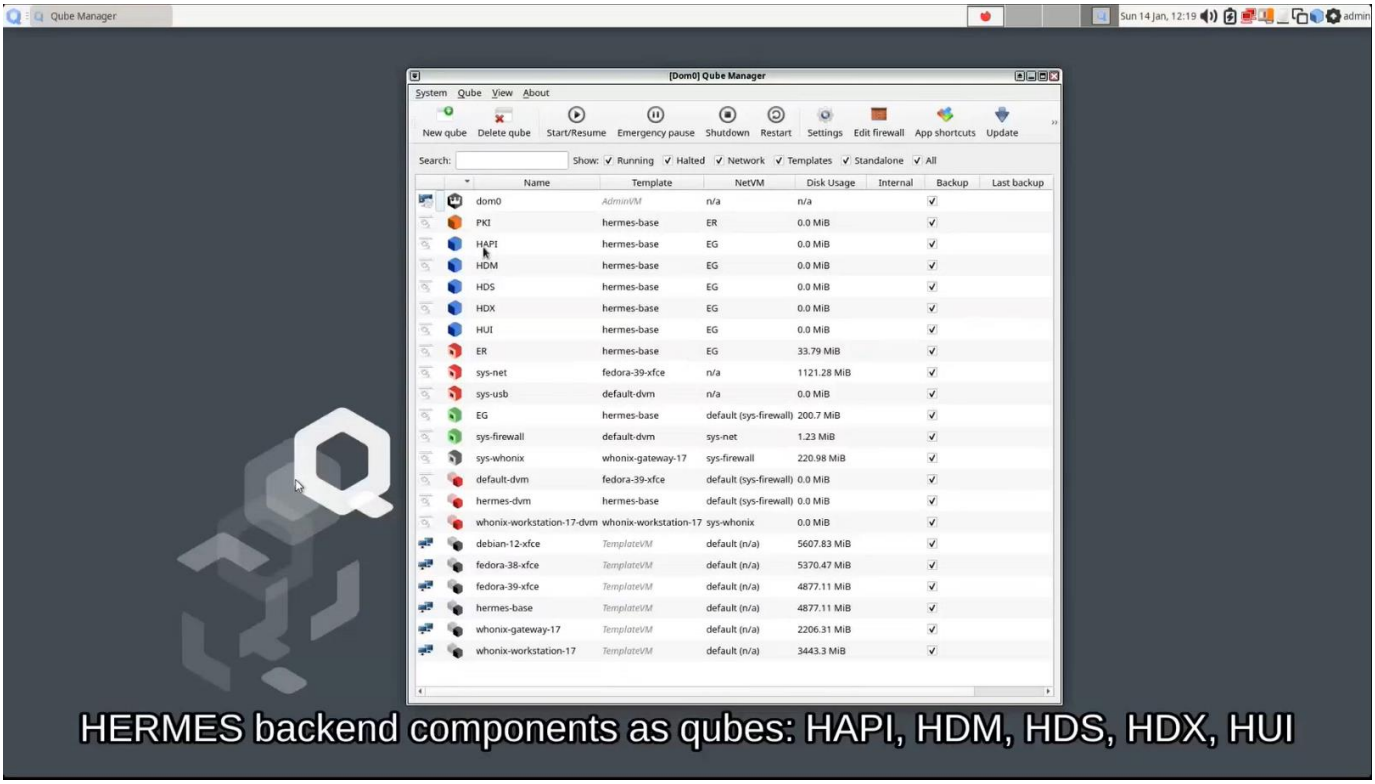





[Dom0] Settings: disp3423
Basic
Advanced
Firewall rules
Devices
Applications
Services
Settings
Name & label*:
Template*:
Net qube:
sys-tor (current)
Include in backups by default
Start qube automatically on boot
General
Type: DispVM
Installed by RPM: No
Net qube
IP: 10.138.13.121
Netmask: 255.255.255.255
Gateway: 10.137.0.11
Virtual DNS: 10.139.1.1, 10.139.1.2
Disk storage
Private storage max size:
2.0 GB
* Cannot be changed while the qube is running
Clone qube
Apply
Cancel
OK
Set net qube to none for the current disposable qube


Hermes Data Exchange Platform -> Homepage
HERMES
DXP Demo User
Logout
HOME
Advanced ITO Management
Data Lifecycle and Privileges
QA Management
Vulnerabilities Management
ADVANCED ITO MANAGEMENT
DATA LIFECYCLE AND PRIVILEGES
QA MANAGEMENT
Notifications
New vulnerability data received
Severity: Critical
Action needed: Sync from USB device
Proceed >
Data Exchange Platform
On another HERMES operator workstation,
new data from USB insertion is notified


HERMES
DXP Demo User
Logout
Home
Advanced ITO Management
Data Lifecycle and Privileges
QA Management
Vulnerabilities Management
List of UGV's Firmwares
List of Vulnerabilities
ADD VULNERABILITY
LOAD VULNERABILITY
SYNC TO USB
SYNC FROM USB
VULNERABILITY NAME
FIRMWARE NAME
VULNERABILITY DESCRIPTION
SEVERITY
REPORTED UPDATE
CVE-2022-UGV-001
UGV-FW-Alpha-2022
Unsecured command and control interface in UGV Management System allows remote attackers to execute arbitrary commands, compromising vehicle control.
High
10 Jan 2024
CVE-2023-UGV-002
UGV-FW-Beta-2022
Buffer overflow vulnerability in UGV sensor processing module permits attacker to execute malicious code through specially crafted sensor data, leading to unauthorised access.
Critical
09 Jan 2024
CVE-2023-UGV-003
UGV-FW-Gamma-2023
UGV communication encryption weakness exposes sensitive data during transmission, enabling attackers to eavesdrop on communication between the vehicle and control center.
Medium
1 Jan 2024
CVE-2024-UGV-004
UGV-FW-Delta-2023
Cross-side scripting (XSS) in UGV telemetry web interface allows attackers to inject malicious scripts, potentially leading to unauthorised access or data theft.
High
1 Aug 2023
CVE-2025-UGV-005
UGV-FW-Epsilon-2024
Denial-of-service (DoS) vulnerability in UGV navigation system allows remote attackers to disrupt vehicle navigation by sending specially crafted data packets, causing a service outage.
Moderate
10 Jun 2023
CVE-2023-UGV-67890
UGV-FW-Delta-2023
CVE-2023-UGV-67890 is a high severity vulnerability found in the UGV-FW-Delta hardware. Attackers with physical access to the device can exploit this vulnerability to bypass authentication and gain control of the device.
Critical
19 Jan 2024
Notify Op. Center
European Commission
On the dedicated qube for notifying operation center of the critical vulnerability


Qube Manager
[Dom0] Qube Manager
System Qube View About
New qube
Delete qube
Start/Resume
Emergency pause
Shutdown
Restart
Settings
Edit firewall
App shortcuts
Update
Search:
Show: Running Halted Network Templates Standalone All
Name
Template
NetVM
Disk Usage
Internal
Backup
Last backup
dom0 AdminVM n/a n/a
PKI hermes-base ER 0.0 MiB
HAPI hermes-base EG 0.0 MiB
HDM hermes-base EG 0.0 MiB
HDS hermes-base EG 0.0 MiB
HDX hermes-base EG 0.0 MiB
HUI hermes-base EG 0.0 MiB
ER hermes-base EG 33.79 MiB
sys-net fedora-39-xfce n/a 1121.28 MiB
sys-usb default-dvm n/a 0.0 MiB
EG hermes-base default (sys-firewall) 200.7 MiB
sys-firewall default-dvm sys-net 1.23 MiB
sys-whonix whonix-gateway-17 sys-firewall 220.98 MiB
default-dvm fedora-39-xfce default (sys-firewall) 0.0 MiB
hermes-dvm hermes-base default (sys-firewall) 0.0 MiB
whonix-workstation-17-dvm whonix-workstation-17 sys-whonix 0.0 MiB
debian-12-xfce TemplateVM default (n/a) 5607.83 MiB
fedora-38-xfce TemplateVM default (n/a) 5370.47 MiB
fedora-39-xfce TemplateVM default (n/a) 4877.11 MiB
hermes-base TemplateVM default (n/a) 4877.11 MiB
whonix-gateway-17 TemplateVM default (n/a) 2206.31 MiB
whonix-workstation-17 TemplateVM default (n/a) 3443.3 MiB
HERMES backend components as qubes: HAPI, HDM, HDS, HDX, HUI