

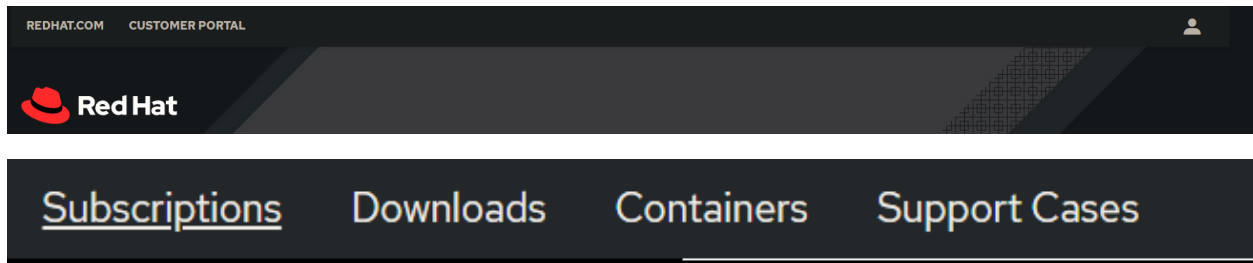
## How to install Red Hat Virtualization Host on HP ProLiant G8 DL 360 1U Server

In this post, I am going to install Red Hat Virtualization Host on above server. The server has 2 Processors (12 Core - 24 Threads E5-2640) 96GB Memory and 2TB Hard Disk.

In order to try this OS, you have to register with Red Hat to download the ISO. Complete the registration and visit Customer Portal.

<https://www.redhat.com/wapps/ugc/register.html? flowId=register-flow& flowExecutionKey=e1s1>

Click Customer Portal – Click Downloads – Click Red Hat Virtualization - Click Download RHVH – Select Red Hat Virtualization Host 4.4 for RHEL 8 and then scroll down to download Hypervisor image.



<https://access.redhat.com/downloads/>

**Red Hat Virtualization**Try It

For a basic x86\_64 installation, you'll need:

**System Requirements**  
Check that hardware meets all system requirements.

**A Network Connection**  
A public network connection will be used to register and to download and install software.

**Hypervisor Image**  
[Download RHVH](#)

**Installation Media**  
Burn the ISO image to DVD or create a bootable USB medium, which will be used to install the hypervisor (host).

### Download Red Hat Virtualization

**Product Variant:**  
Red Hat Virtualization Host

**Version:**  
4.4 for RHEL 8 (latest)

**Architecture:**  
x86\_64

**Hypervisor Image for RHV 4.4**

Last modified: 2021-08-11   SHA-256 Checksum: dd7e4403055ee256500272615c969a31b67608222bea2cd90fef661f48d823cc

[Download Now](#)

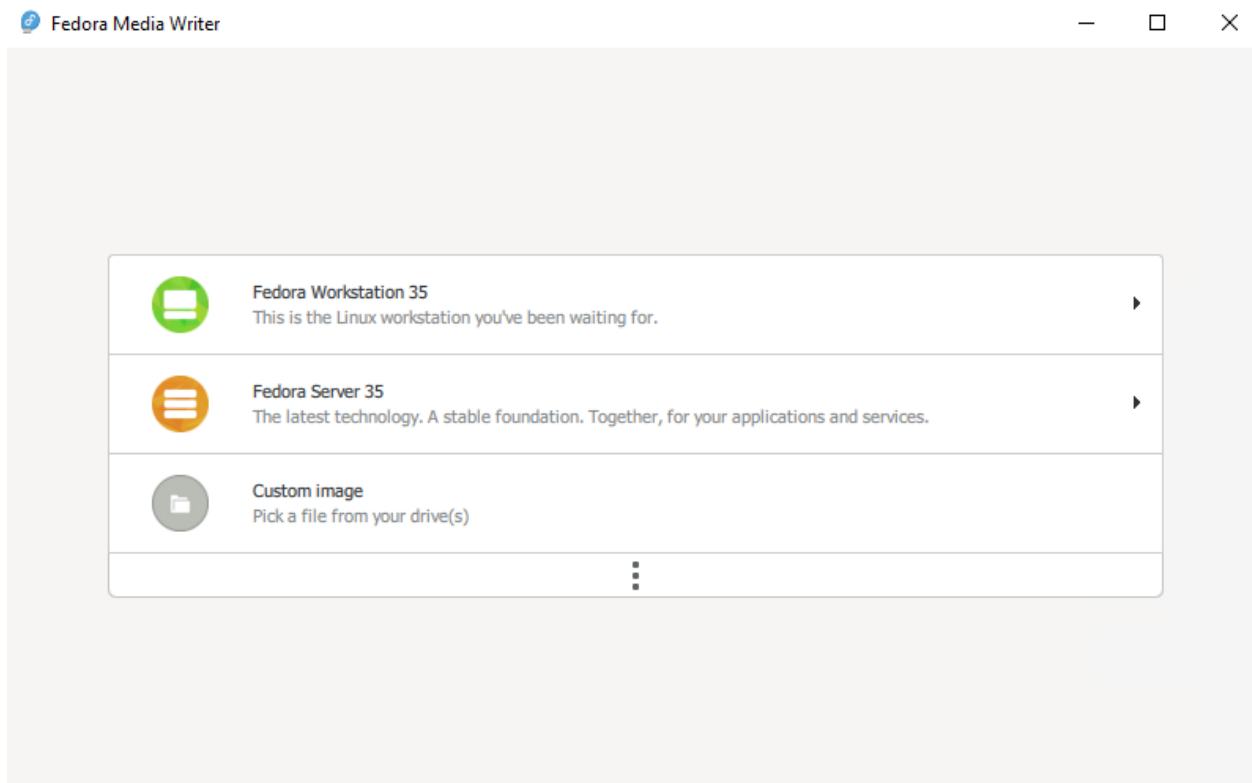
1.34 GB

Once you have the ISO make a bootable USB stick using Fedora Media Writer – You can download exe file from here - <https://github.com/FedoraQt/MediaWriter/releases>

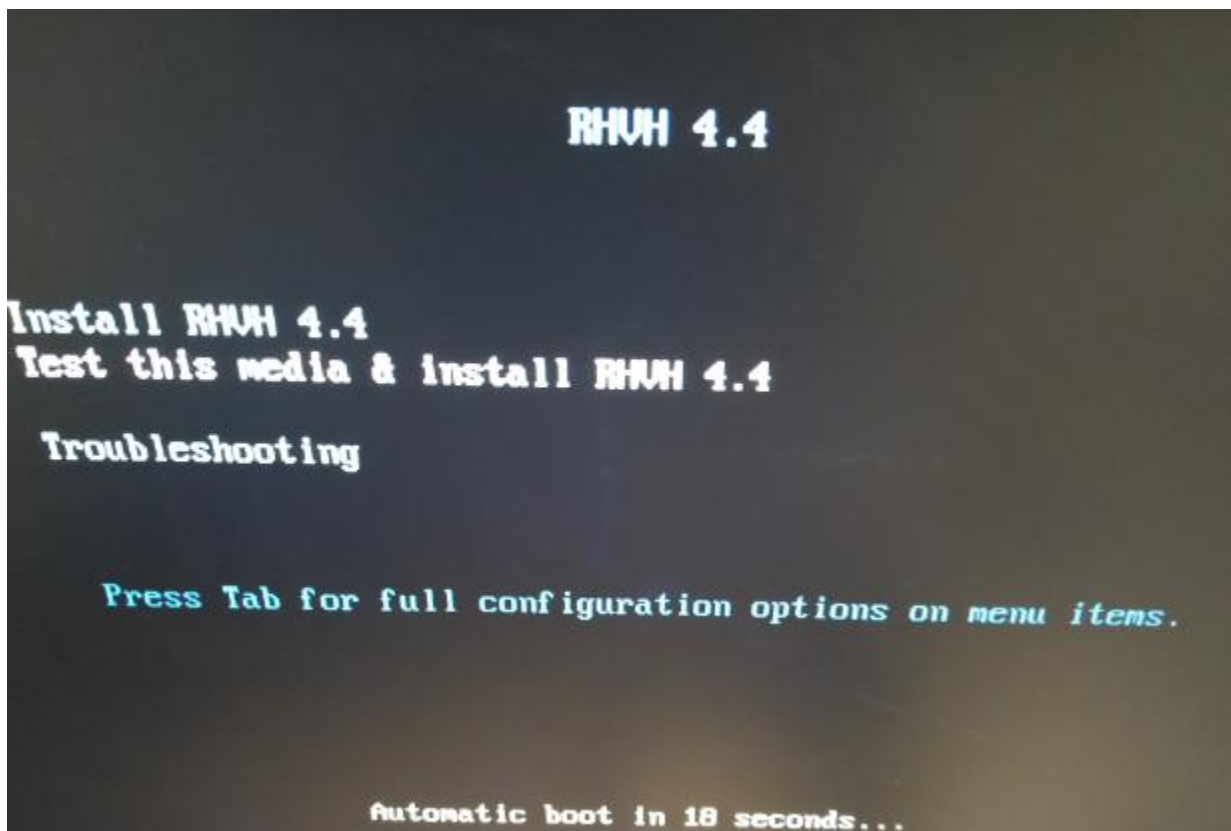
**▼ Assets 5**

<a href="#">FedoraMediaWriter-osx-4.2.2.unnotarized.dmg</a>	26.6 MB
<a href="#">FedoraMediaWriter-win64-4.2.2.exe</a>	29.7 MB
<a href="#">org.fedoraproject.MediaWriter-4.2.2.flatpak</a>	2.33 MB
<a href="#">Source code (zip)</a>	
<a href="#">Source code (tar.gz)</a>	

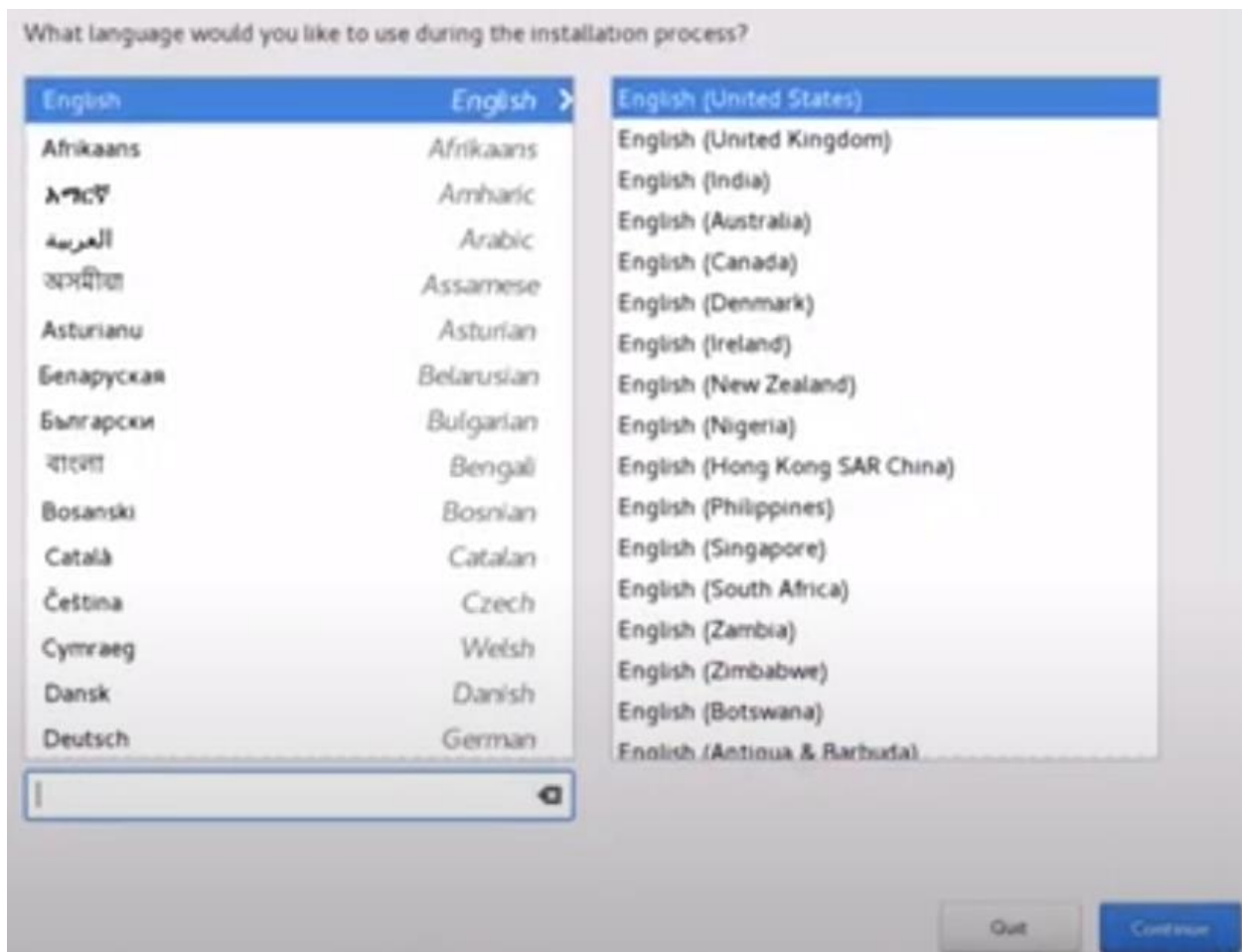
Plug in the USB stick – Open Fedora Media Writer – Click Custom Image – Select ISO file and USB stick to write



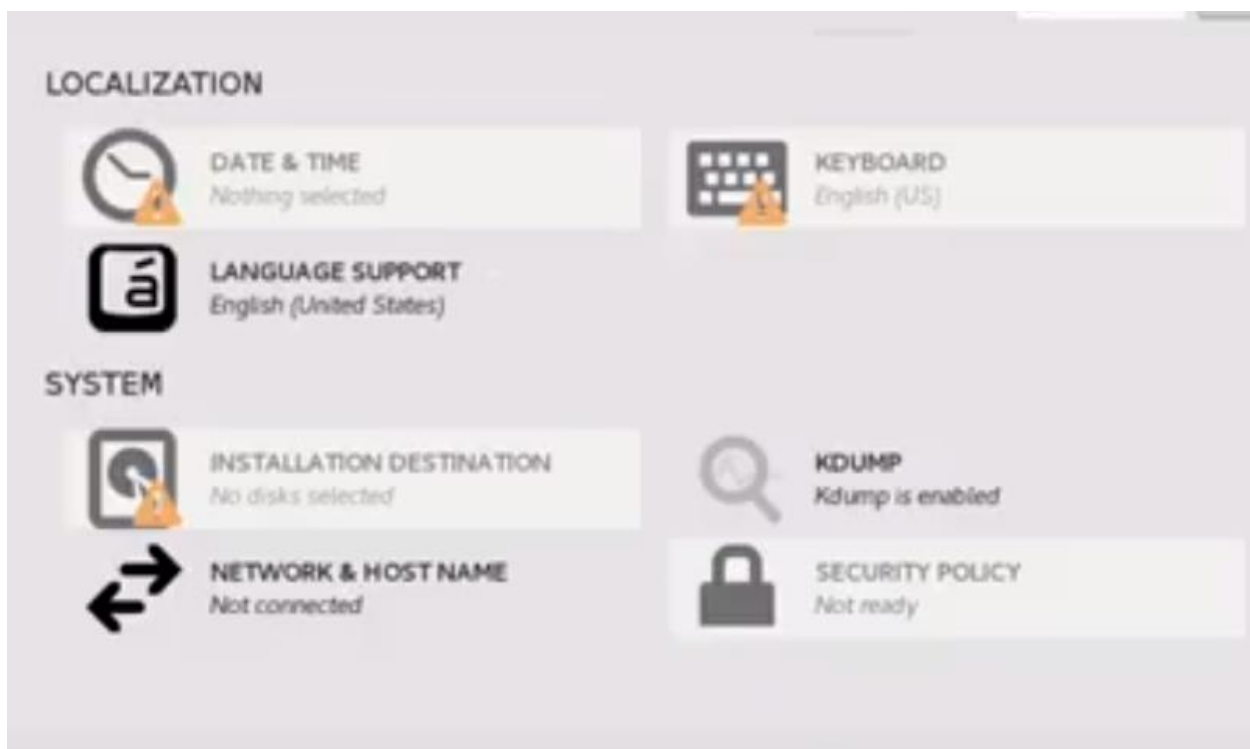
Now you have a bootable RHHV to install the OS on the server. Plug in the USB stick – Boot the server from USB stick F11 – You will see below screen to start the install process.



Select Keyboard Layout – I am using English - Canada



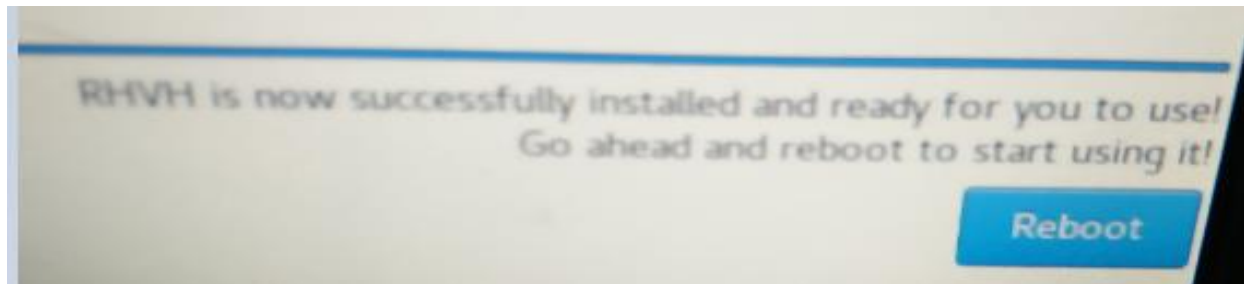
Here you can complete few other settings. For this lab setup, I choose Date & Time, Language, Install location, Network and Host Name.



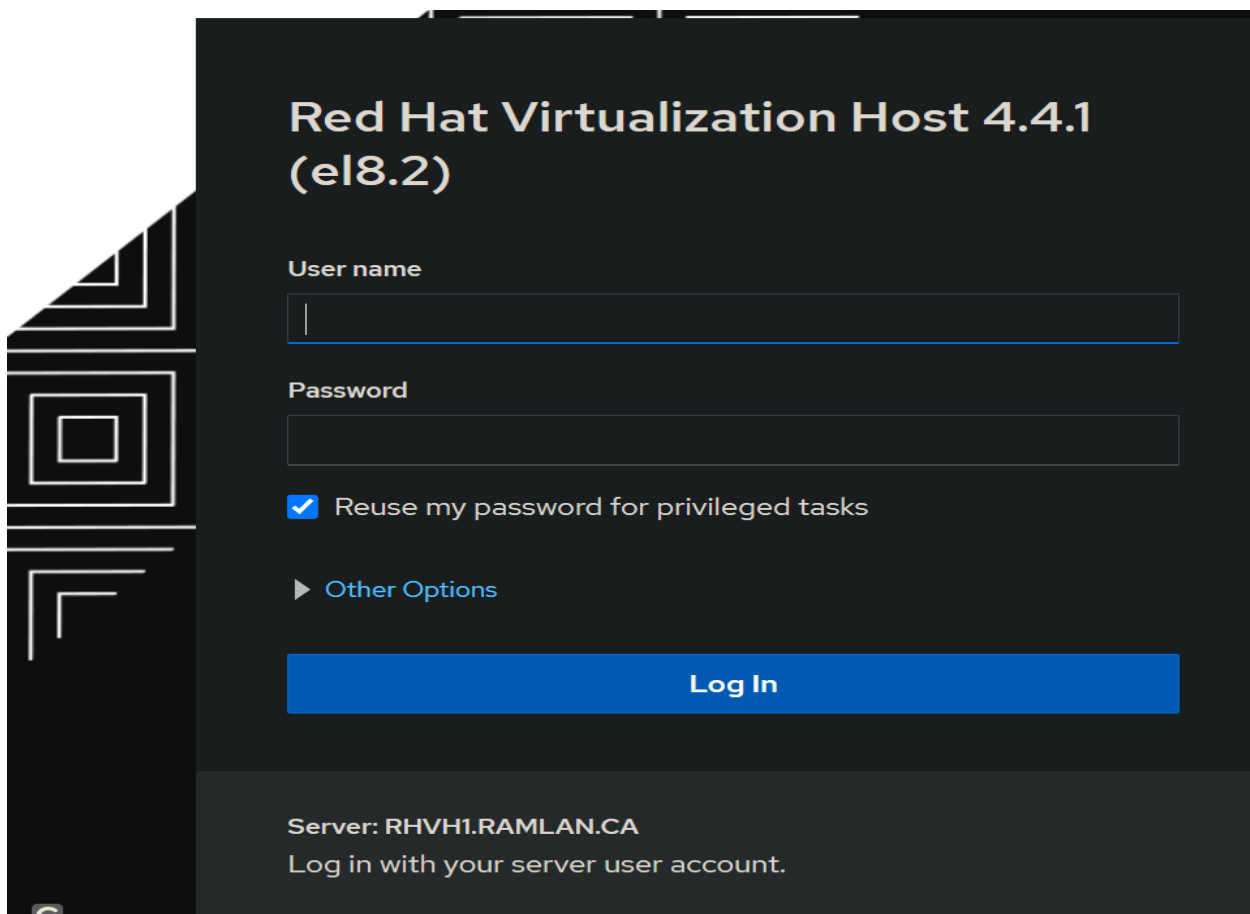
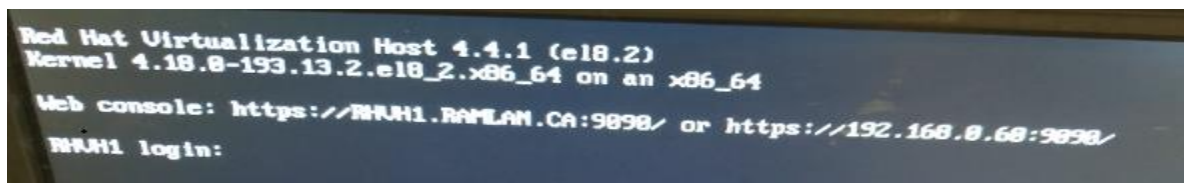
While the install is going you can create root password and also create additional users with root privilege.



Once the install is done you will see this screen for reboot the server.



Now you can login through web console (aka cockpit).



RED HAT VIRTUALIZATION HOST 4.4.1 (EL8.2)

Privileged

RAM

Host

Virtualization

Dashboard

Dashboard

Hosted Engine

Virtualization

System

Networking Information: [View](#)

System Logs: [View](#)

Storage: [View](#)

SSH Host Key: [View](#)

Virtual Machines

0 Running

RHVH1.RAMLAN.CA

running Red Hat Virtualization Host 4.4.1 (el8.2)

Restart

Health

Usage

System information

Configuration

CPU

Memory

View graphs

Model

Asset tag

Machine ID

View hardware details

Hostname

System time

Domain

Performance profile

Secure Shell keys

0% of 24 CPUs

1.5 / 94.1 GiB

edit

2021-12-06 13:32

Join Domain

throughput-performance

Show fingerprints

Privileged

RAM

Display Language

About Cockpit

Account Settings

Authentication

Log Out

About Cockpit

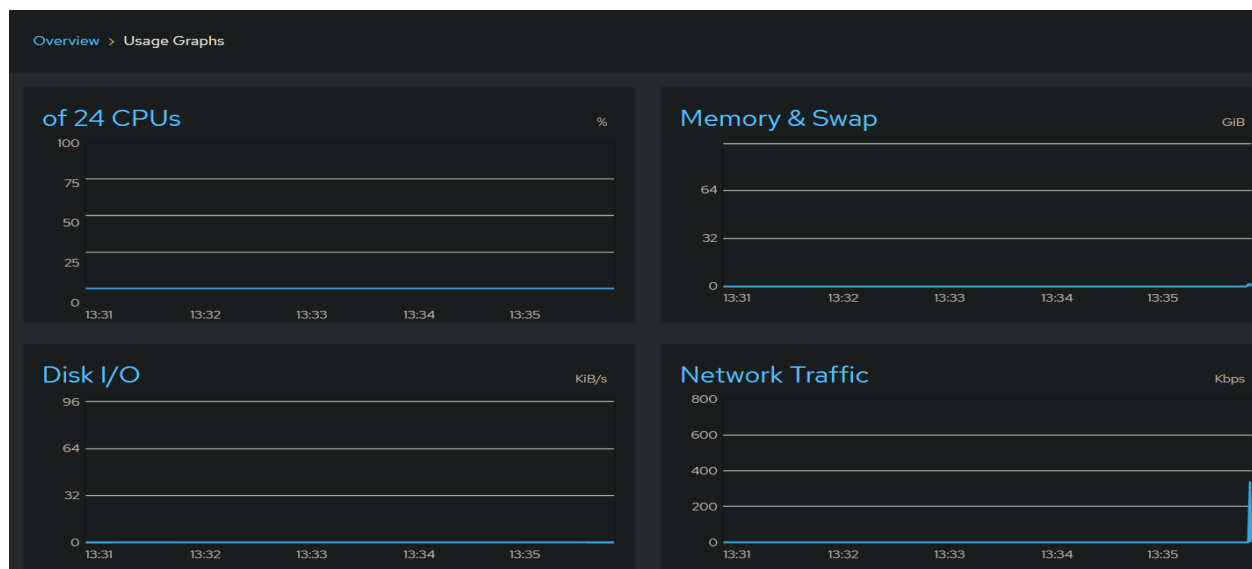
Cockpit is an interactive Linux server admin interface.

[Project website](#)

Version 211.3.

Licensed under: [GNU LGPL version 2.1](#)

Close



Overview > Hardware Information

### System Information

Type	Rack Mount Chassis	BIOS	HP
Name	ProLiant DL360p Gen8	BIOS version	P71
Version		BIOS date	12/06/2021
		CPU	24x Intel(R) Xeon(R) CPU E5-2640 0 @ 2.50GHz
		CPU Security	Mitigations

RED HAT VIRTUALIZATION HOST 4.4.1 (EL8.2) Privileged RAM

Host RHVH1.RAMLAN.CA RHVH1.RAMLAN.CA running Red Hat Virtualization Host 4.4.1 (el8.2) Restart

RED HAT VIRTUALIZATION HOST 4.4.1 (EL8.2) Privileged RAM

Host RHVH1.RAMLAN.CA

Overview > Hardware Information

### System Information

Type	Rack Mount Chassis	BIOS	HP
Name	ProLiant DL360p Gen8	BIOS version	P71
Version		BIOS date	12/06/2021
		CPU	12x Intel(R) Xeon(R) CPU E5-2640 0 @ 2.50GHz

### PCI

Class	Model	Vendor	Slot
Bridge	Xeon E5/Core i7 DM12	Intel Corporation	0000:00:00.0
Bridge	Xeon E5/Core i7 IIO PCI Express Root Port 1a	Intel Corporation	0000:00:01.0
Bridge	Xeon E5/Core i7 IIO PCI Express Root Port 1b	Intel Corporation	0000:00:01.1

This completes install steps for RHVH 4.4.1. In next blog, I will create VM and other stuff within RHVH.

Thanks

Ram

6<sup>th</sup> Dec 2021