How to install Red Had 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

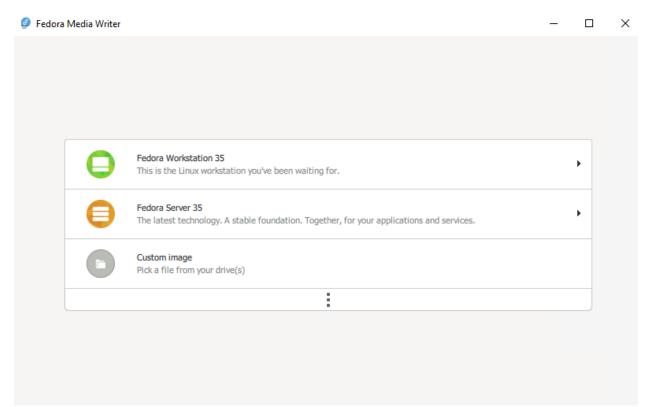
Click Customer Portal – Click Downloads – Click Red Hat Virtualization - Click Download RHVH – Select Red Hat Virtualization Host 4.4 for RHEL 8 and then scroll down to download Hypervisor image.

REDHAT.COM CUSTOMER PO	DRTAL				
🤩 Red Hat					
<u>Subscript</u>	<u>ions</u> Do	ownloads	Containers	Support	Cases
https://access.re	dhat.com/dowi	<u>nloads/</u>			
Red Hat Vir	tualization	I		Try I	t 🖸
For a basic x86_64 insta	llation, you'll need:				
System Requirement Check that meets all sy requirement	hardware /stem	A Network Connection A public network connection will be used to register and t download and install software.	b Hypervis Download		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 Vir	tualization			
Product Variant	:		Version:		rchitecture:
Red Hat Virtualiz	ation Host			_ 8 (latest) 🚽 🗙	36_64
Hypervisor Image for I Last modified: 2021-08-11		e4403055ee256500272615c96	9a31b67608222bea2cd90fef661f4	48d823cc	Download Now 법 1.34 GB

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

▼Assets ₅	
FedoraMediaWriter-osx-4.2.2.unnotarized.dmg	26.6 MB
FedoraMediaWriter-win64-4.2.2.exe	29.7 MB
	2.33 MB
Source code (zip)	
Source code (tar.gz)	

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 RHVH 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

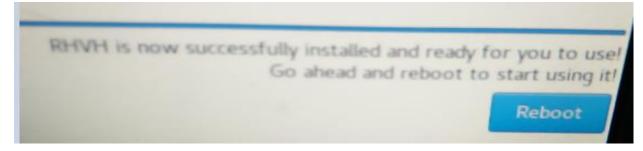
AfrikaansAfrikaansEnglish (United Kingdom)>>nctArnharicEnglish (India)>>nctArabicEnglish (Australia)NonतीताArabicEnglish (Australia)NonतीताAssameseEnglish (Canada)AsturianuAsturianEnglish (Denmark)BenapyckanBelarusianEnglish (New Zealand)BunrapckuBulgarianEnglish (Nigeria)ताराताBengaliEnglish (Hong Kong SAR China)BosanskiBosnianEnglish (Singapore)CatalaCatalanEnglish (South Africa)CetinaCzechEnglish (South Africa)DanskDanishEnglish (Botswana)	nglish	English 🔰	English (United States)
масу Arinnanc English (Australia) English (Australia) English (Canada) English (Canada) English (Canada) English (Denmark) English (Denmark) English (Ireland) English (New Zealand) English (Nigeria) English (Nigeria) English (Nigeria) English (Migeria) English (Hong Kong SAR China) English (Hong Kong SAR China) English (Philippines) Català Catalan English (Singapore) Català Catalan English (Singapore) English (South Africa) English (Zambia) English (Zambia) English (Zambia)	frikaans	Afrikaans	English (United Kingdom)
алабіс каящіта Arabic каящіта Assamese Asturianu Asturian ienapyckan Belarusian Былгарски Bulgarian атент Bengali English (New Zealand) English (New Zealand) English (New Zealand) English (Nigeria) English (Hong Kong SAR China) English (Hong Kong SAR China) English (Philippines) English (Singapore) English (South Africa) English (Zambia) English (Zambia) English (Zambia)	107	Amharic	
кахиїалAssameseEnglish (Canada)AsturianuAsturianEnglish (Denmark)БеларускаяBelarusianEnglish (Ireland)БеларускаяBelarusianEnglish (New Zealand)БелароскиBulgarianEnglish (Nigeria)ФлароскиBengaliEnglish (Hong Kong SAR China)ВозалskiBosnianEnglish (Philippines)CatalàCatalanEnglish (Singapore)ČettinaCzechEnglish (South Africa)CymraegWelshEnglish (Zambia)DanskDanishEnglish (Zimbabwe)	الغربية	Arabic	
Asturianu Asturian English (Ireland) English (New Zealand) English (New Zealand) English (Nigeria) English (Nigeria) English (Hong Kong SAR China) English (Hong Kong SAR China) English (Hong Kong SAR China) English (Philippines) Eatalà Catalan English (Singapore) English (South Africa) English (South Africa) English (Zambia) English (Zimbabwe)		Assamese	
GenapyckanBelarusianEnglish (New Zealand)БылгарскиBulgarianEnglish (Nigeria)वार्र्णाBengaliEnglish (Hong Kong SAR China)BosanskiBosnianEnglish (Philippines)CatalàCatalanEnglish (Singapore)ČeštinaCzechEnglish (South Africa)CymraegWelshEnglish (Zimbia)DanskDanishEnglish (Zimbiabwe)	sturianu	Asturian	
Былгарски Bulgarian English (Nigeria) Intreff Bengali English (Nigeria) Bosanski Bosnian English (Hong Kong SAR China) English (Philippines) Català Catalan English (Singapore) Čeština Czech English (South Africa) Cymraeg Welsh English (Zambia) English (Zimbabwe)	епаруская	Belarusian	
वारणा Bengali English (Hong Kong SAR China) Bosanski Bosnian English (Philippines) Català Catalan English (Singapore) Čeština Czech English (South Africa) Cymraeg Weish English (Zambia) Danish Danish		Bulgarian	
Bosanski Bosnian English (Philippines) Català Catalan English (Singapore) Čeština Czech English (South Africa) Cymraeg Welsh English (Zambia) English (Zimbabwe)	रारमा		
Čeština Czech English (South Africa) Cymraeg Welsh English (Zambia) Dansk Danish	losanski	-	English (Philippines)
Cymraeg Weish English (Zambia) Dansk Danish English (Zimbabwe)	Català	Catalan	English (Singapore)
Cymraeg Wetsh English (Zimbabwe)	estina	Czech	English (South Africa)
Danish Danish	ymraeg	Weish	
English (Botswana)	Dansk	Danish	
Deutsch German English (Antiqua & Barbuda)	Deutsch	German	
C C C C C C C C C C C C C C C C C C C			(Endise Leebour & Barbuda)

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

0	DATE & TIME Nothing selected		KEYBOARD English (US)
á	LANGUAGE SUPPORT English (United States)		
STEM			
9	INSTALLATION DESTINATION No disks selected	Q	KDUMP Kdump is enabled
7	NETWORK & HOST NAME	Д	SECURITY POLICY Not ready

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





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

and the second se	ization Host 4.4.1 (e18.2) 193.13.2.e18_2.x86_64 on an x86_64 ttps://RHUH1.RAMLAN.CA:9898/ or https://192.168.8.68:9898/
	Red Hat Virtualization Host 4.4.1 (el8.2)
	User name
	Password
	Reuse my password for privileged tasks
	Other Options
·	Log In
	Server: RHVH1.RAMLAN.CA Log in with your server user account.

RED HAT	VIRTUAL	IZATION HOST 4.4.1 (EL8.2)			▲ Privileged	
Host V Virtualization Dashboard	Dashboard Dashboard Hosted Engine	Virtualization System Networking Information: View System Logs: View Storage: View SSH Host Key: View		Virtual Machines	0 Running	
RHVH1.	RAML	AN.CA running Red Hat Virtualizatior	n Host 4.4	.1 (el8.2)		Restart 🝷
Healt	th			Usage CPU Memory View graphs	0% of 24 C 1.5 / 94.1 G	
Syste	em info	rmation		Configuration		
Model Asset tag Machine View ha	g N	HP ProLiant DL360p Gen8 1XQ3030625 .7ede3e68bd04222a1108118283d57bc tails		Hostname System time Domain Performance profile Secure Shell keys	RHVHI.RAMLAN.CA edit 2021-12-06 13:32 Join Domain throughput-performance Show fingerprints	
	vilege			s/nit		

Display Language	About Cockpit
About Cockpit	Cockpit is an interactive Linux server admin interface. Project website
Account Settings	Version 211.3. Licensed under: GNU LGPL version 2.1
Authentication	
Log Out	Close

Overview	> Usage Graphs							
of 24	CPUs	:33 13:34	%	Memory 6 64 32 0 13:31	& Swap	13:33	13:34	GiB
Disk 96		k33 13:34	KIB/S	Network 800 600 200 0 13:31	Traffic 	13:33	13:34	Kbps
Sys Tyl	iew > Hardware Information Stem Informati pe Rack Mount Chassis me ProLiant DL360p Ga on		B	BIOS HI IOS version P7 BIOS date 12 CPU 24	71 /06/2021	Xeon(R) CPU E5-	-2640 0 @ 2.50	DGHz
			с	PU Security M	itigations			
RED HAT	VIRTUALIZATION HOST 4	I.4.1 (EL8.2)	c	PU Security Mi	itigations		🔓 Privilege	ed 💄 RAM 🗸
RED HAT		1.4.1 (EL8.2) RHVH1.RAMLAN.C					🔒 Privilego	ed RAM -
eee Host		RHVH1.RAMLAN.C					Privilege	Restart 👻
eee Host	RHVHI,RAMLAN.CA	RHVH1.RAMLAN.C	A running Red Hat V nation nation nation	irtualization Host 4.	4.1 (el8.2) BIOS BIOS version BIOS date	P71	Privileg	ed RAM-
Host RED HAT V Host Virtualization	RHVHI.RAMLAN.CA IRTUALIZATION HOST 4 RHVHI.RAMLAN.CA R Search Overview Logs Storage Networking	RHVH1.RAMLAN.C A.4.1 (EL8.2) Overview > Hardware Inform System Inform Type Rack Mount Ch Name ProLiant DL360 Version	A running Red Hat V nation nation nation	irtualization Host 4.	4.1 (el8.2) BIOS BIOS version BIOS date	P71 12/06/2021	Privileg	ed RAM-
Host RED HAT V Host Virtualization	RHVHI.RAMLAN.CA INTUALIZATION HOST 4 RHVHI.RAMLAN.CA RHVHI.RAMLAN.CA R Search Overview Logs Storage Networking Accounts	RHVH1.RAMLAN.C A.4.1 (EL8.2) Overview > Hardware Inform System Inform Type Rack Mount Ch Name ProLiant DL360 Version PCI	A running Red Hat V nation nation nassis Op Gen8	irtualization Host 4.4	4.1 (el8.2) BIOS BIOS version BIOS date	P71 12/06/2021 12x Intel(R) Xeon(R) C	Privileg	ed RAM -
Host RED HAT V Host Virtualization	RHVHI.RAMLAN.CA RHVHI	RHVH1.RAMLAN.C A.4.1 (EL8.2) Overview > Hardware Inform Type Rack Mount Ch Name ProLiant DL360 Version PCI Class 1	A running Red Hat V nation nation nassis Op Gen8 Model 1 Xeon E5/Core i7 DM	irtualization Host 4.4	4.1 (el8.2) BIOS BIOS version BIOS date CPU	P71 12/06/2021 12x Intel(R) Xeon(R) C Vendor I	PU E5-2640 0 @ 2 Slot	ed RAM •

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

Thanks

Ram 6th Dec 2021