What's New with Virtualization

Red Hat

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Where Red Hat Virtualization (RHV) is now

- RHV 4.4.10 shipping.
- A couple of async updates coming with bug fixes.
- 4.4 SP1 due late May.
- Maybe a couple of z-streams after that.

…aaaaand that's it.



But there's more to the story.



Images from Wikipedia







RHV product life cycle as of RHV 4.4 GA

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YEAR	RHV 4.2 (2 yr EUS)	RHV 4.3 (2 yr EUS)	RHV 4.4 (2 yr EUS)
2018	GA (May 2018)		
2019	End Full Support (May 2019)	GA (April 2019)	
2020	End EUS (May 2020)	End Full Support (May 2020)	GA (August 2020)
2021		End EUS Support (May 2021)	
2022	End Maintenance (May 2022)		End Full/ EUS Support (August 2022)
2023		End Maintenance (April 2023)	
2024	End Extended Life Support (May 2024)		End of Maintenance (2024)
2025		End Extended Life Support (May 2025)	
2026			End of Extended Life Support (August 2026)

New with 4.4 SP1

- Rebased on RHEL 8.6
- Backup API fully supported
- iSCSI Gateway
- RHEL 9, Windows 11 guests
- SAP HANNA drove a few performance enhancements
 - dynamic hugepages to simplify allocation



Deprecated with 4.4 SP1

- Export domains; storage domains now do everything export domains did.
- aaa LDAP extensions in favor of Keycloak / SSO
- POWER support Nobody cares. (That's why we're deprecating it.)

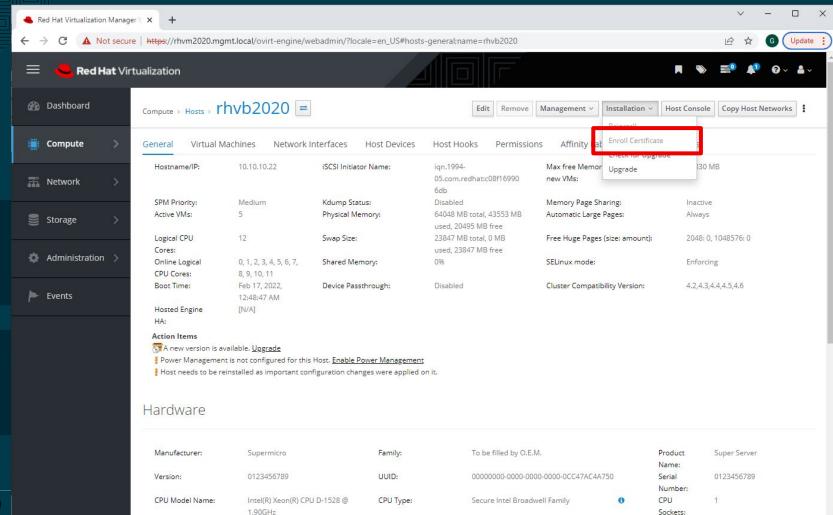


Certificates

• New industry standard - certificates only last 398 days.

- <u>https://blog.mozilla.org/security/2020/07/09/reducing-tls-certificate-li</u> <u>fespans-to-398-days/</u>
- We'll warn you 120 days in advance.
- We'll nag you 30 days in advance.
- Renew RHVM certificate with engine-setup.
- Renew host certificates in the GUI.
 - Compute > Hosts > Select a host.
 - Migrate all VMs away.
 - Management > Maintenance.
 - And then Installation > Enroll Certificate.





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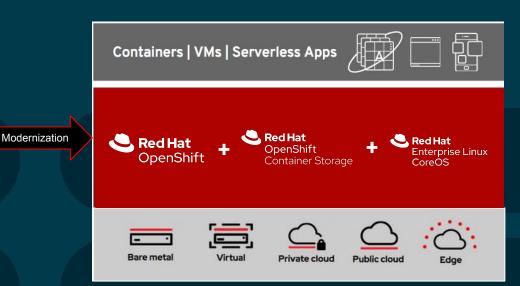
Virtualization Strategy and Plan



Traditional Virtualization Roadmap converged with OpenShift Virtualization



- Rock solid stability, performance and scale for current long life use cases and MMS migrations from VMw to RH infrastructure
- Provide customers with path, services, tooling to modernize current applications and workloads
 - To VMs and containers running on OpenShift
- Integration with Red Hat OpenShift, OpenShift Virtualization



- Application modernization, zero technical debt migrations from VMw, RHV, RHOSP
- Strategy, continuity, and roadmap for Virtualization from Red Hat across all footprints



The future of virtualization is bright

2020	2021	2022	2023	2024	2025	2026	2027	2028				
Red Hat Virtualization 4.4 GA	 Regular Support through 2026 Incentive pricing to keep cost low Enable customers to migrate to OpenShift Virtualization when ready. 											
OpenShift and OpenShift Virtualization	 What we sell today. Strategic to RH's mission to win hybrid cloud by winning the platform Suitable for production workloads, rapid maturity, enable customers to migrate when ready Release with OpenShift (~every 3 months) Virtualization roadmap continuity from Red Hat across all footprints. 											
OpenStack Platform	 Remains under active development Maintains separate roadmap, beyond 2026, focus on long life releases Convergence with OpenShift Virtualization is TBD. 											
Modernization and Migration Solutions Tooling	Migra Migra	tions from VMware tions from RHV to tion analytics to he map delivery well ir	OpenShift Virtua	alization ads	zation							
							1.4					

I stole enough of Ben's Openshift Virtualization thunder

Queue cheap Special effects