What Omnissa Horizon and Citrix CVAD Customers Need to Know about Broadcom Licensing Changes

VIRTUE EUCday

Hit me up with questions you might have!

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Current VMUG Vice President

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Information Subject to Change



Items to consider:

- I would like this to be interactive
- I am not a Broadcom or Omnissa employee
- Discussions around the new licensing types
 - VCF (VMware Cloud Foundation)
 - VVF (VMware vSphere Foundation)
 - VVF for VDI
 - VVS (VMware vSphere Standard)
 - VVEP (VMware vSphere Essentials Plus) Won't cover this in depth as the use-case is minimal
- Perpetual vs. Subscription
- Socket vs. Core focused (minimum of 16 cores per socket)
- Impact to VMware Horizon / Citrix CVAD customers



I will be using these abbreviations quite a bit during the presentation



Other Considerations

- Impact to VMUG Advantage and EvalExperience 365-day Evaluation Keys
- Ways to save money
 - Some of these methods will be geared to SMB / Commercial customers with small-to-medium sized environments
- Preparing for the future (Infrastructure Planning)
- 3rd Party Software Licensing Constraints and how they might impact your vSphere licensing from here on out

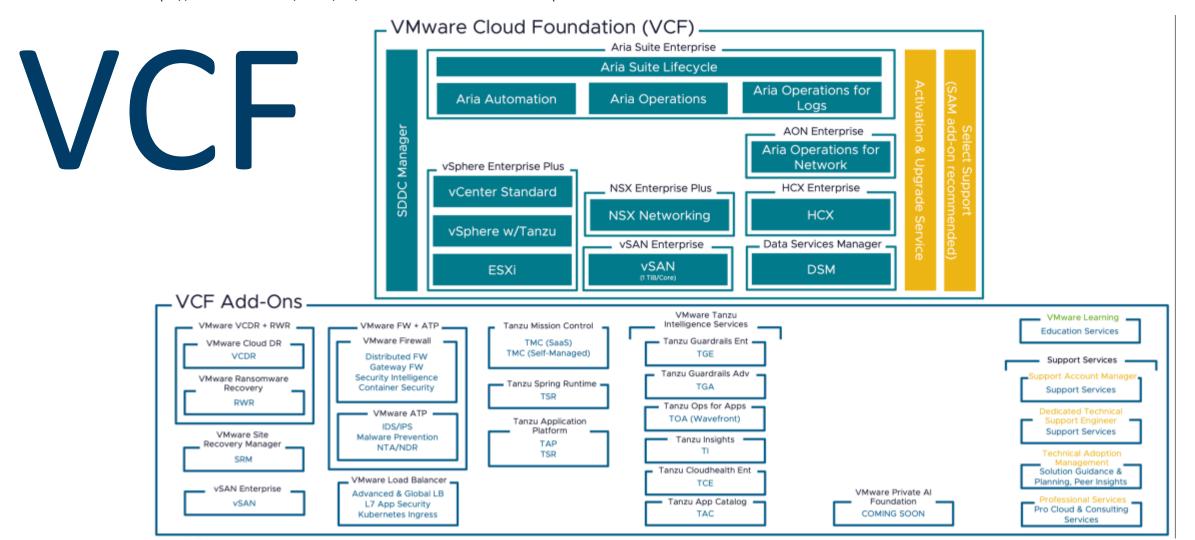
Level-set -- VMware Cloud Foundation - YOU GUYS KNOW THE STORY

- VCF is a best-in class suite of products that comprise the Software-Defined Datacenter
- VCF will absolutely transform your datacenter, especially if you need to
 - Streamline the deployment of VMware products
 - Eliminate configuration inconsistencies that come with manual deployments
 - Standardize how infrastructure is deployed
 - Bring cloud methods into your on-premises datacenter
 - Integrate with other VMware Cloud products such as VMC on AWS, AVS, OCVS, GCVE
- If your organization can afford VCF, you won't be sorry. Just understand that the technology is more expensive than other editions of vSphere.
- This presentation will discuss what some of the differences are, and compare it to other products that are available.



VMware Cloud Foundation

https://williamlam.com/2024/01/whats-in-the-new-vmware-vsphere-foundation-vvf-and-vmware-cloud-foundation-vcf-offers.html



Entire feature list available at:



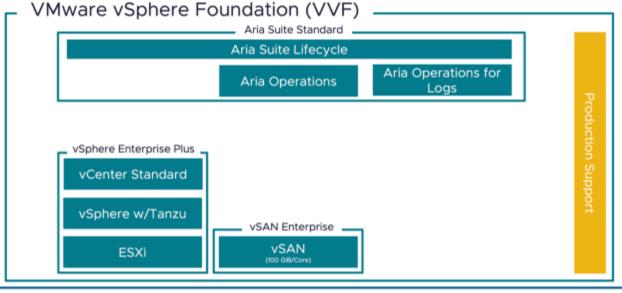


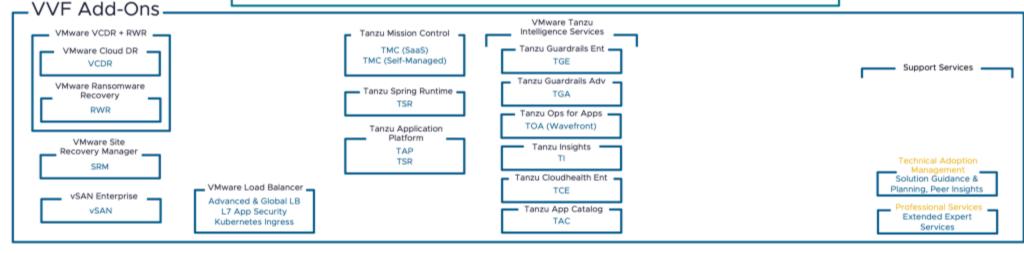
VMware vSphere Foundation

https://williamlam.com/2024/01/whats-in-the-new-vmware-vsphere-foundation-vvf-and-vmware-cloud-foundation-vcf-offers.html

VVF

VMware vSphere Foundation





Entire feature list available at:



https://williamlam.com/2024/01/whats-in-the-new-vmware-vsphere-foundation-vvf-and-vmware-cloud-foundation-vcf-offers.html



VMware vSphere Foundation

VVF Add-Ons

VMware VCDR + RWR

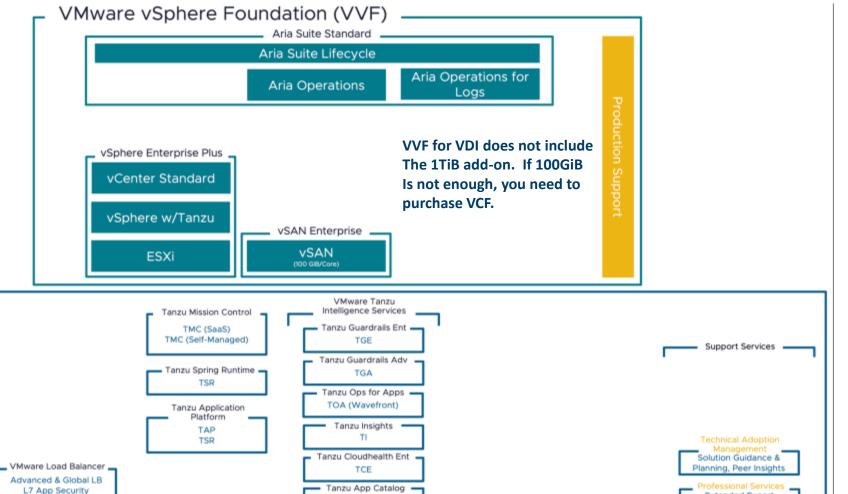
VMware Cloud DR

VMware Ransomware

VMware Site

Recovery Manager

vSAN Enterprise



TAC

Entire feature list available at:



Extended Expert

Kubernetes Ingress

VVF for VDI

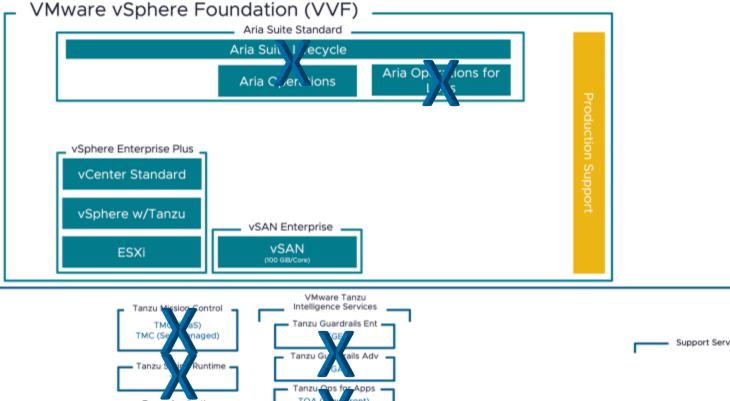
VMware vSphere Foundation for Virtual Desktop Infrastructure

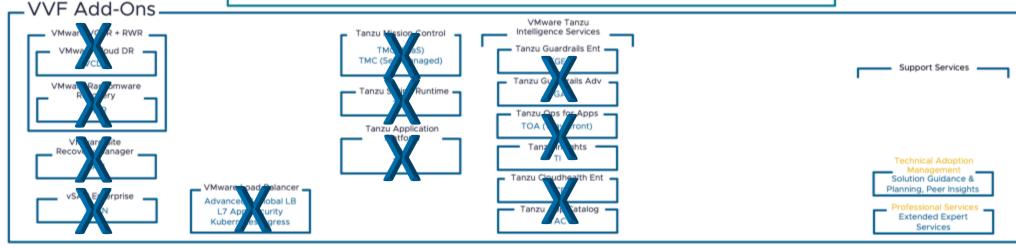
VMware vSphere Foundation for Virtual Desktop Infrastructure

- Replacement license for vSphere for Desktops
- Must be an Omnissa Horizon customer
- Other EUC solutions such as CVAD running vSphere must leverage VCF/VVF
- VVF for VDI Keys will be in your Omnissa customer portal

V/F

VMware vSphere Foundation for Virtual Desktop Infrastructure







2. USE RIGHTS AND LIMITATIONS.

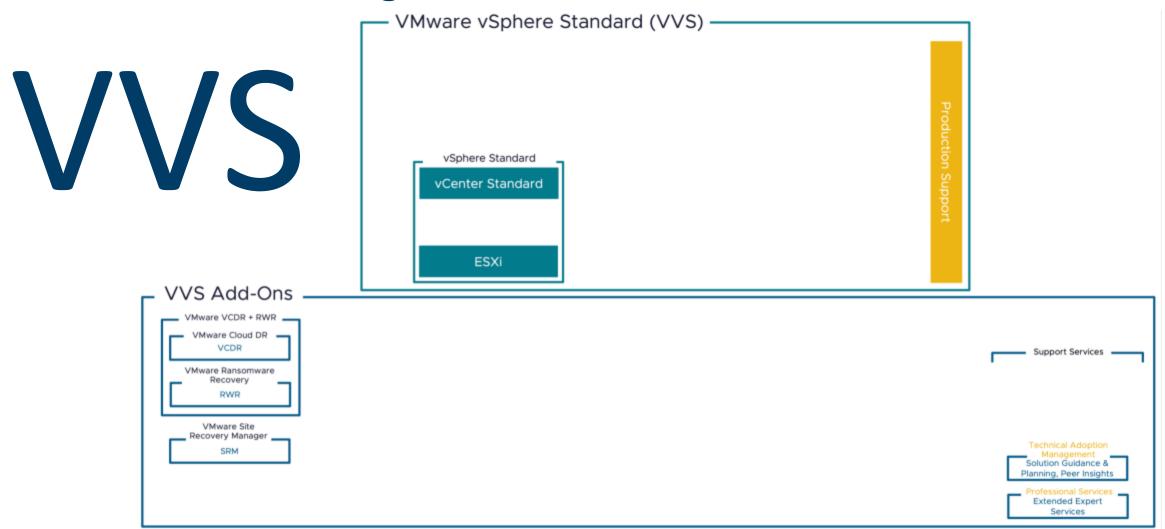
License Metrics

- VMware vSphere Foundation for VDI ("VVF for VDI") is subscription software licensed on a per User license metric.
- Component Specific License Notes. The following table describes additional component specific license entitlement rights and limitations of VVF for VDI;

#	VVF for VDI Component	Metric Entitlement	Entitlement Details
1	vSphere Foundation License Manager for VDI	User	The vSphere Foundation License Manager for VDI component is included in VVF for VDI with the sole purpose of facilitating license management for the VVF for VDI bundle. It is not meant to provide any intrinsic management features to end customers.
2	vSAN	100 GiB	The 100 GiB vSAN trial capacity included in VVF for VDI is tied to the VVF for VDI cores that are configured for vSAN and cannot be aggregated. Once customers exceed the trial capacity, they must license the entire raw storage claimed in the vSAN cluster starting from 0.

Once customers exceed the trial capacity, they must license the entire raw storage claimed in the vSAN cluster starting from 0. 1 TiB add-ons Are not available, I was told you need to purchase VCF.





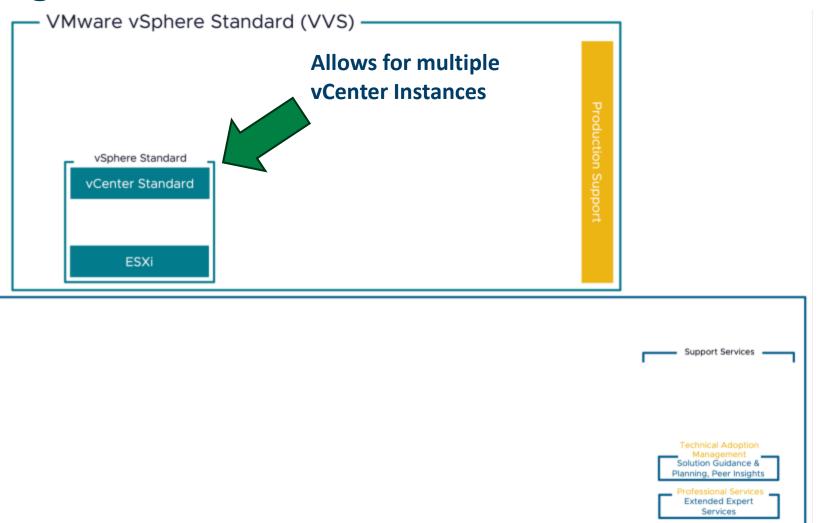


VVS

VMware vSphere Standard

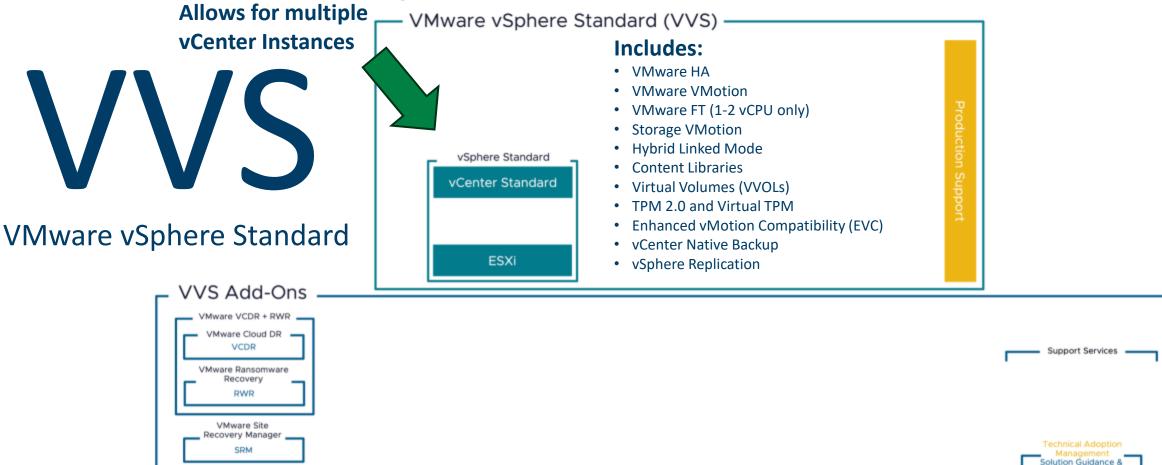
VVS Add-Ons

VMware Site Recovery Manager



Entire feature list available at:





Entire feature list available at:

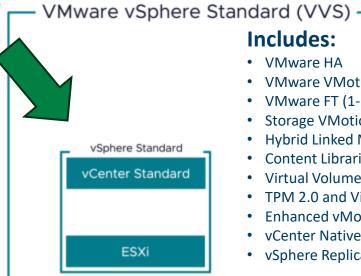


Planning, Peer Insights

Extended Expert

Allows for multiple **vCenter Instances**

VMware vSphere Standard



Includes:

- VMware HA
- VMware VMotion
- VMware FT (1-2 vCPU only)
- Storage VMotion
- Hybrid Linked Mode
- Content Libraries
- Virtual Volumes (VVOLs)
- TPM 2.0 and Virtual TPM
- Enhanced vMotion Compatibility (EVC)
- vCenter Native Backup
- vSphere Replication

Does not include:

- Distributed Switches
- Distributed Resource Scheduler (DRS)
- VM Encryption
- Storage DRS
- Storage and Network I/O Controls
- Host Profiles
- Distributed Power Management
- Proactive HA
- vSphere Persistent Memory



Entire feature list available at:

- vSphere ROBO Licensing has not returned
 - Formerly sold in 25 VM or 100 VM packs
 - Allowed unlimited sockets of vSphere that shared the VM packs
 - Used in small-footprint ROBO solutions
 - VSAN and vRealize Operations also had ROBO SKU's that are no longer available
 - vSphere ROBO Advanced contained a similar feature set to vSphere Enterprise Plus
- *NEW* VCF Edge allows edge deployments with as few as 2 nodes https://www.vmware.com/docs/vmware-cloud-foundation-edge-datasheet
 - 2 node deployment requires external storage (no vSAN with witness)
 - 3+ nodes can use vSAN

- VMware's Enterprise License Agreement Changes
 - Past ELA negotiations usually centered around purchasing new software and not renewing what you have.
 - Subscription plans are all new so the game has changed
 - Historically, an ELA has a stated out year which includes a pro-rated year after your ELA has expired.

EXAMPLE:

Customer has a 4-year ELA -- \$4 Million over 4 years (January 2021 thru January 2025) Normally, a 5th year "Stated out year" of \$1 million from January 2025 thru January 2026 would be available.

Broadcom has canceled all "Stated out years" so customers cannot use their perpetual licensing for an additional year.

If I purchase VCF, do I need to run the entire Software-Defined Datacenter?

NO. VCF Cloud Builder doesn't even have a license key in SDDC Mgr. Purchasing VCF gives you the software keys for products such as:

- vSphere
- vCenter
- NSX-T
- vSAN (with up to a 1TiB per physical core entitlement)

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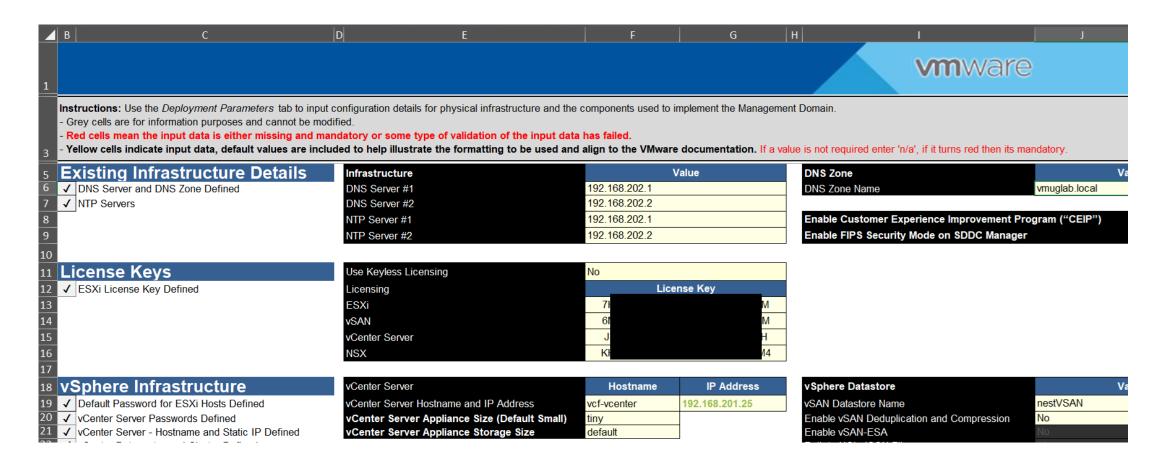
- vSphere
- vCenter
- NSX-T



Customers with NSX-T deployed will need to license all VDI hosts for VCF

vSAN (with up to a 1TiB per physical core entitlement)

If I purchase VCF, do I need to run the entire Software-Defined Datacenter?



How do I know how many cores and/or vSAN entitlements I need to buy in my next agreement?

Updated Inventory & Calculator Scripts for counting Cores/TiBs for VMware Cloud Foundation (VCF) and VMware vSphere Foundation (VVF)

02.12.2024 by William Lam // 2 Comments

Here are two new tools to help our users understand and calculate the required

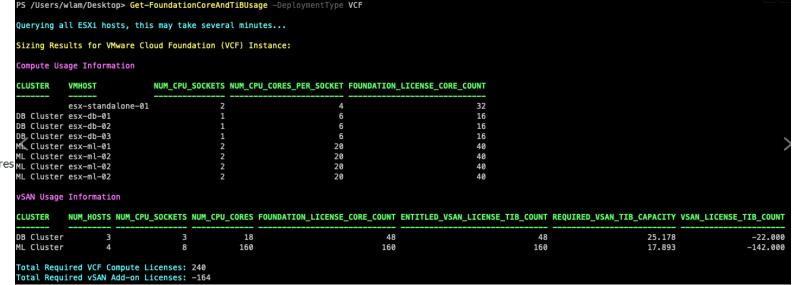
subscription capacity for the new VMware Cloud Foundation (VCF) and VMware

vSphere Foundation (VVF) offerings, which are licensed based on physical CPU Cores
for compute and total raw physical storage (TiBs) for vSAN.

Inventory Script

The PowerCLI script provided in VMware KB 95927 is designed to help users inventory their existing vSphere environment (read-only account is sufficient) to assess the required VCF or VVF subscription capacity for compute and/or vSAN. The script has also been enhanced to incorporate the upcoming 100GiBs of vSAN storage entitlement for each VVF core that is provisioned to a vSAN cluster as well as the latest pricing and packaging for both VCF and VVF. For more details on how to download and use the inventory script, please check out the KB for more information.

Note: Make sure you are using the latest version of the script which had a minor update on 02/14/2024





Impacts to Horizon Environments

NOTE: Broadcom divestment their EUC business to the Private Equity Firm KKR creating the company OMNISSA.

Currently, partners are working with Broadcom's EUC Division to provide renewals for expiring customers. This includes renewed licenses for **VVF for VDI**, **vCenter and vSAN**.

Customers who processed renewals before May 12th would have received entitlements to vSphere for Desktops and vSAN with an unlimited entitlement. The subsequent agreement will be subject to the 100GiB per core limit for vSAN raw capacity.

Customers requiring > 100GiB per core of vSAN or NSX in their VDI cluster will need to purchase VCF.

Other EUC solutions such as Cloud Software Group's Citrix Virtual Apps and Desktops (CVAD) leverage vSphere for Desktops at a cost.



Impacts to Horizon Licenses within VMUG Advantage and EvalExperience

NOTE: Broadcom has divested the EUC Division

VMUG is in discussions with Omnissa regarding the inclusion of Horizon within VMUG Advantage to assist Horizon Customers in testing VDI solutions.

VMUG is discussing the feasibility of adding other 3rd party solutions to EvalExperience. If you have any requests/recommendations, please reach out to memberservices@vmug.com



Impacts to Licensing Purchases from a Solution like Dell/EMC VxRail or vSAN Ready Nodes

- Scenario: Customer purchased a solution from an OEM that included vSAN licensing but not vSphere licensing
- Customer uses perpetual keys to license vSphere, but has vSAN licensing paid through 2027

A large partner contact told me the following:

Any perpetual keys for a solution such as vSAN will work with either VCF, VVF or VVS until the solution licenses expire.

Once the vSAN solution licenses expire, vSAN entitlement will need to follow VCF or VVF rules.

