



Path to VCP	
Certification Path if you hold no VCP certifications ▼	Certification Path if you hold a V <u>CP6.5-DCV or VCP6-DC</u> V ✓
1. Gain experience with vSphere 6.7	• 1. Gain experience with vSphere 6.7
2. Attend one of the required training courses	2. (Recommended) Attend one of the training courses.
3. Pass One of the Foundation exams	3. Pass the Professional Data Center Virtualization Exam
• 4. Pass one of the Professional Data Center Virtualization Exams	Professional VMware vSphere 67 (2V0-21.19) Schedule Exam 115 MINUTES 70 QUESTIONS \$250
	Professional VMware vSphere 6.7 Delta (2V0- 21.19D) 75 MINUTES 40 QUESTIONS \$250
	Professional VMware vSphere 7.x (2V0-21.20) Schedule Exam 130 Minutes 70 Questions \$250 USD

Your path depends on your experience and current certification holdings. On the left is a sample path for those who do not hold a VCP certification. Notice in this case that you may be required to take a qualified training course and pass a Foundations exam, prior to taking the Professional exam. On the right is a sample path for those who hold a VCP6-DCV or VCP6.5-DCV certification.

Depending on your path, you may have choices for the Professional Exam, such as a vSphere 6.7, a vSphere 7.0, or a Delta Exam. Each exam has a different exam number, exam blueprint (exam guide), number of questions, price, etc.

TIP: Take the exam that is the best fit for you. If you are more comfortable with a 6.7 exam than a 7.0. Perhaps you prefer a Delta exam that focuses on upgrading and what's new... or the opposite an exam where you can make better use of long-term vSphere knowledge.

The vSphere 6.7 Foundations Exam 2V0-01.19 has 65 questions, allows 105 minutes, costs \$125, and is a non-proctored exam. Questions are single choice, multiple choice, and drag / drop. Passing score is 300.

No vSphere 7.0 Foundations Exam is currently listed.

Professional Exam 2V0-21.20 on vSphere 7.x

- Review the Exam Guide (Blueprint)
- Required or Recommended Training
 - vSphere Install, Configure, Manage [v7]
 - vSphere Optimize and Scale [v7]
- ▶ 70 Questions
- ▶ 130 Minutes
- ▶ Passing Score: 300
- Proctored Exam
- ▶ Single and Multiple Choice

Sections Included in this Exam

Section 1 - Architectures and Technologies

Objective 1.1 - Identify the pre-requisites and components for a vSphere implementation

Objective 1.2 - Describe vCenter Server topology

Objective 1.3 - Identify and differentiate storage access protocols for vSphere (NFS, iSCSI, S

1.3.1 - Describe storage datastore types for vSphere

1.3.2 – Explain the importance of advanced storage configuration (vSphere Storag vSphere Storage APIs Array Integration (VAAI), etc.)

1.3.3 – Describe storage policies

1.3.4 - Describe basic storage concepts in K8s, vSAN and vSphere Virtual Volumes

Objective 1.4 - Differentiate between vSphere Network I/O Control (NIOC) and vSphere Sto

Objective 1.5 - Describe instant clone architecture and use cases

Objective 1.6 - Describe ESXi cluster concepts

1.6.1 - Describe Distributed Resource Scheduler (DRS)

1.6.2 - Describe vSphere Enhanced vMotion Compatibility (EVC)

1.6.3 - Describe how Distributed Resource Scheduler (DRS) scores virtual machine

1.6.4 - Describe vSphere High Availability

1.6.5 – Describe datastore clusters

Objective 1.7 - Identify vSphere distributed switch and vSphere standard switch capabilities

1.7.1 – Describe VMkernel networking

Begin by downloading the exam blueprint (for your selected professional exam) and examining the latest requirements and details, including exam delivery, minimally qualified candidate, and exam sections (objectives)

TIP If your path requires a qualified course, ensure you take the course that is the best fit for you.

TIP: During the exam, watch the timer. You could target 1.5 minutes per question to leave 25 minutes at the end to return to Marked questions. So, after 20 questions, I should have 1 hour 40 minutes remaining. After 40 questions, 1 hour 10 min remaining.

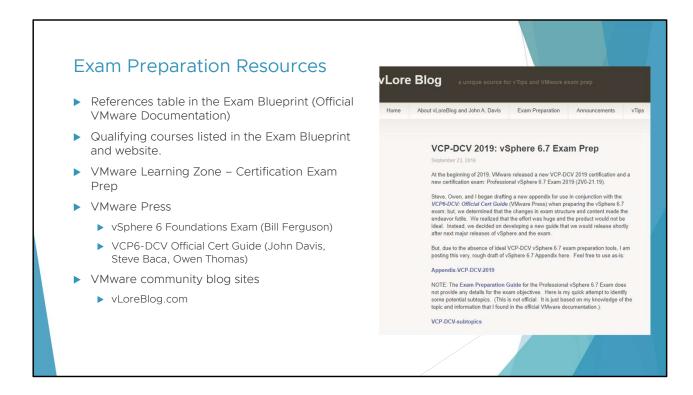
TIP: Answer questions quickly (less than 2 minutes) mark those that you want to review more closely later

Use link to schedule the exam or go to vue.com.

VMware has standardized on 7 sections for all exams, but some sections are not in some exams. In this exam, Section 3 (planning and design) and Section 6 (Troubleshooting) is not covered.

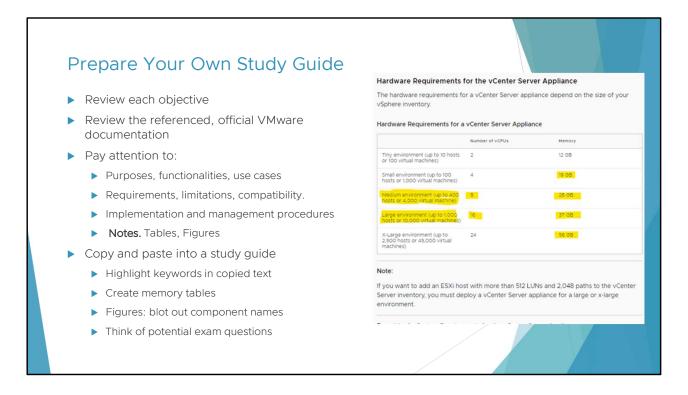
TIP: But do not be shocked if a question or two feels like a troubleshooting question.

TIP: Pay close attention to each objective and expect to be questioned on the objective. If you are weak on a few objectives, do not let that delay you taking the exam.



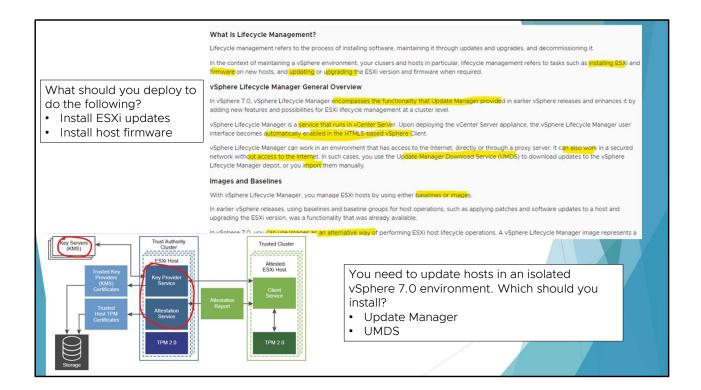
TIP: Questions are often based on the content of VMware official documentation that is referenced in the exam blueprint.

TIP: If you are required to take a course, take a qualifying course that best suits you. For example, if you are already skilled in vSphere 7.x, consider the Optimize and Scale course over the Install, Configure, Manage course



TIPs:

- · copy and paste from official docs into a word processor doc
- · Include what is new to you. Get familiar with official VMware wording
- Highlight keywords and phrases in texts



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- copy and paste from official docs into a word processor doc
- · Include what is new to you. Get familiar with official VMware wording
- Just capture what you do not already know
- Highlight keywords and phrases in texts to help you recall details and original wording
- Think of potential questions, or parts of questions

Other Preparation Steps

- Gain hands on experience
 - ► Setup a home lab https://bit.ly/3gYykaY
 - ▶ VMware Hands on Labs
- ▶ Read the release notes for the appropriate vSphere version
 - ▶ Pay attention to new features and changes
 - ▶ Pay attention to architecture and requirement changes
- ▶ Work with a group of 5 or more. Each group create a set of practice questions for different sections.

TIP: In addition to using HOL to get familiar with new products and features, you can use it as a playground. Find a lab that has the software you need, ignore the lab exercises, just do your own thing. No worries about making mistakes. Limitation: You have no Internet access inside the lab or means to copy in software installers

Practice Question: Architecture / Technologies

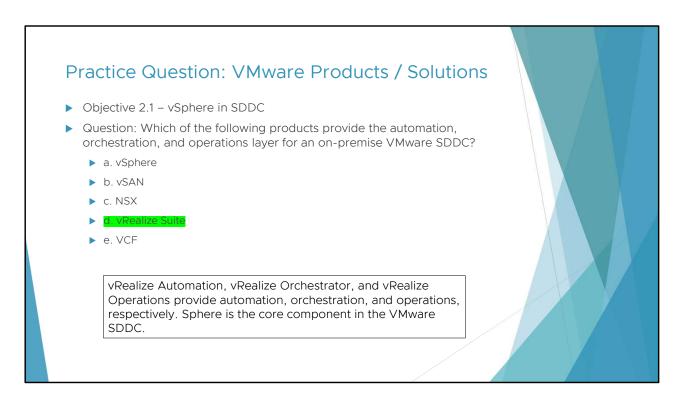
- ▶ Objective 1.1 Prerequisites
- ▶ Question: You plan to deploy a vCenter Server 7.0 appliance to support 350 ESXi hosts and 4500 virtual machines. What is the minimum memory you should plan for the vCenter Server appliance?
 - ▶ a. 37 GB
 - ▶ b. 56 GB
 - ▶ c. 28 GB
 - ▶ d. 19 GB

Practice Question: Architecture / Technologies ▶ Objective 1.1 - Prerequisites ▶ Question: You plan to deploy a vCenter Server 7.0 appliance to support 350 ESXi hosts and 4500 virtual machines. What is the minimum memory you should plan for the vCenter Server appliance? ▶ 3.37 GB ▶ b. 56 GB ▶ c. 28 GB ▶ d. 19 GB You should deploy the vCenter Server appliance in the "Large Environment" configuration, which requires 37 GB, because the "Medium Environment" configuration only supports 4000 virtual machines.

TIP: Create memory tables to cram just hours before the exam.

Practice Question: VMware Products / Solutions

- ▶ Objective 2.1 vSphere in SDDC
- ▶ Question: Which of the following products provide the automation, orchestration, and operations layer for an on-premise VMware SDDC?
 - ▶ a. vSphere
 - ▶ b. vSAN
 - c. NSX
 - ▶ d. vRealize Suite
 - e. VCF



TIP: Do not be surprised or upset if some of the questions, or at least some of the potential answers, refer to VMware products that are not mentioned in the exam blueprint. **TIP**: Get familiar with the purpose and use cases for products such as vRealize Suite, vSphere Replication, Site Recovery Manager, Horizon, AppDefense, and NSX.

Practice Question: Installation, Configuration

- ▶ Objective 4.6 Deploy vCenter HA
- Question: You are implementing vCenter HA for a vSphere 7.0 environment. Which of the following does not need to be connected to the vCenter HA network?
 - ▶ a. Active Node
 - ▶ b. Witness Node
 - c. ESXi
 - d. vCenter Server

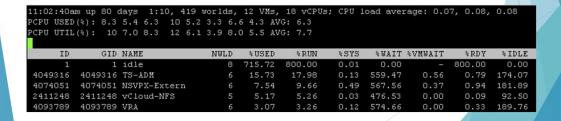
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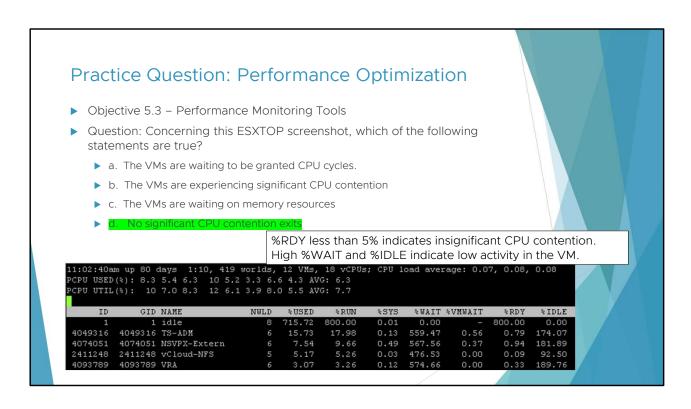
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 - d. vCenter Server

The vCenter HA network connects the Active, Passive, and Witness nodes, replicates the server state, and monitors heartbeats.

Practice Question: Performance Optimization

- ▶ Objective 5.3 Performance Monitoring Tools
- ▶ Question: Concerning this ESXTOP screenshot, which of the following statements are true?
 - ▶ a. The VMs are waiting to be granted CPU cycles.
 - ▶ b. The VMs are experiencing significant CPU contention
 - c. The VMs are waiting on memory resources
 - ▶ d. No significant CPU contention exits





TIP: Historically, you had to click a button to examine exhibits. In the vSphere 7.0 exam, the exhibits appear on the same page as the question. No special navigation is needed.

Practice Question: Upgrades

- ▶ Objective 5.7 Plan for upgrading vSphere Components
- ▶ Question: You want to upgrade a vCenter Server 6.7 instance and External PSC to version 7.0. Which statement is true?
 - ▶ a. You can upgrade in place, keeping the External PSC
 - ▶ b. The vCenter Server 7.0 instance incorporates the PSC services.
 - c. The vCenter Server 7.0 instance is using an embedded PSC.
 - ▶ d. You can choose to migrate to a new embedded or external PSC

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PSCs (embedded or external) are not used in vCenter Server 7.0. Instead, the services are directly integrated into the vCenter Server appliance

Practice Question: Secure vSphere Objective 7.8 - Managing Certificates Question: You are managing certificates in your vSphere environment. By default, what types of certificates are in VECS? (pick two)? a. ESXi Certificates b. Machine SSL Certificates c. Trusted Root Certificates d. None of the above

TIP: If a question calls for you to select multiple answers, it will tell you the specific number (such as pick two). It will not state more than one answer may apply,

TIP: Although a one option here is NONE of the above, the actual exam avoids this. It also avoids all of the above.

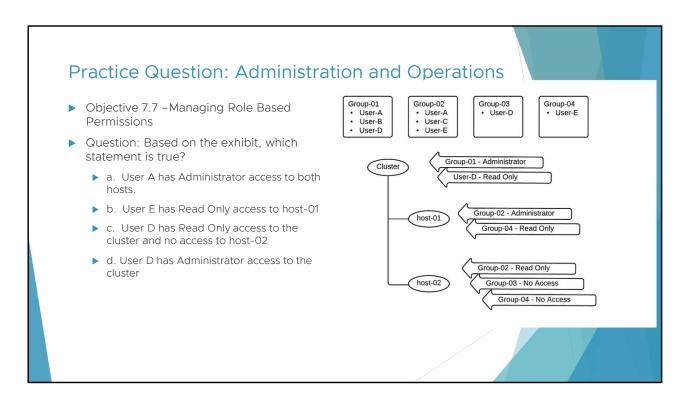
Practice Question: Secure vSphere

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 - ▶ a. ESXi Certificates
 - b. Machine SSL Certificate
 - c. Trusted Root Certificates
 - d. None of the above

The Certificate Management page shows the certificate types in the VMware Endpoint Certificate Store (VECS). By default, the types are Machine SSL Certificates and Trusted Root Certificates.

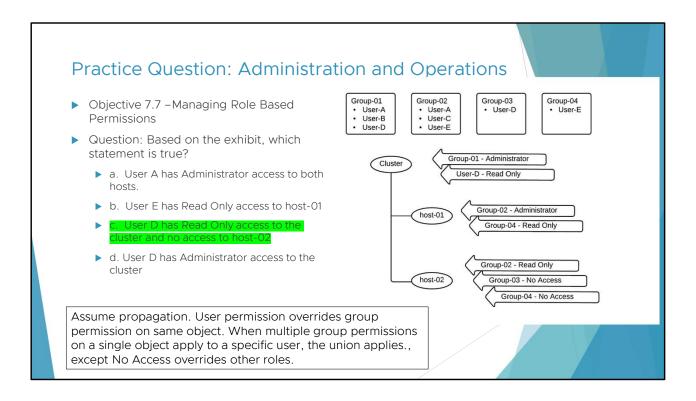
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