VMware Cloud Foundation 9.0 Architect (2V0-13.25)

Exam Delivery

This is a proctored exam delivered through Pearson VUE. For more information, visit the Pearson VUE website.

Certification Information

For details and a complete list of requirements and recommendations for attainment, visit the VMware Certification website.

Exam Sections

VMware exam blueprint sections are now standardized to the five sections below, some of which may NOT be included in the final exam blueprint depending on the exam objectives.

- Section 1 – IT Architectures, Technologies, Standards
- Section 2 – VMware Cloud Foundation (VCF) Fundamentals
- Section 3 – Plan and Design
- Section 4 – Deploy, Configure, and Operate
- Section 5 – Troubleshoot and Optimize

If a section does not have testable objectives in this version of the exam, it will be noted, accordingly. The objective numbering may be referenced in your score report at the end of your testing event for further preparation should a retake of the exam be necessary.

Exam Details

The 60-item scaled method exam requires a passing score of 300. The 135-minute appointment provides sufficient time for all candidates, including non-native English speakers.

Exam Name

VMware Cloud Foundation 9.0 Architect (2V0-13.25)

Credential Name

VMware Certified Professional - VMware Cloud Foundation Architect (VCP-VCF Architect)

Minimally Qualified Candidate

The minimally qualified candidate (MQC) can design a VMware Cloud Foundation (VCF) solution that meets stakeholder requirements. They have a fundamental understanding of VCF architecture, including compute, storage, networking, and cloud management. The candidate can translate business objectives into a technical solution while considering design characteristics such as availability, manageability, performance, recoverability and security (AMPRS).

The candidate can differentiate between a conceptual model and both logical and physical designs and understand the distinctions between business and technical requirements. They can identify, assess and document risks, assumptions, dependencies, and constraints that may impact the design of a VCF solution. Additionally, they understand the implications of their design decisions on both broader VMware-based solutions and the customer technology landscape.

The candidate should understand capacity planning, disaster recovery, scalability, security, solution interoperability, and compatibility and can apply this knowledge to when designing VCF-based solutions. They are familiar with core data center services (including DNS and NTP) and can apply this knowledge when making design decisions. While the candidate can operate independently when creating designs, they may occasionally seek additional resources or support for complex or edge use cases.

Recommended Courses

VMware Cloud Foundation: Solution Architecture and Design

References*

In addition to the recommended courses, item writers use the following references for information when writing exam questions. It is recommended that you study the reference content as you prepare to take the exam, in addition to any recommended training.

Products - The VMware Cloud Foundation 9

https://www.broadcom.com/

*Content in this exam is based on VCF 9. Review all release notes and material for features and functions.

The candidate should have at least one to two years of experience in designing VMware-based solutions, including six months or more working specifically with VCF. They are knowledgeable about some or all the components of the VCF platform, including vSphere, vSAN, NSX, and Aria Suite.

Sections Included in this Exam

Section 1 - IT Architectures, Technologies, Standards	
Objective 1.1 - Differentiate between business and technical requirements	
Objective 1.2 - Differentiate between a Conceptual Model, logical design and physical design	
Objective 1.3 - Differentiate between requirements, assumptions, constraints and risks	
Objective 1.4 - Differentiate between availability, manageability, performance, recoverability and security (AMPRS)	
Objective 1.5 - Develop and document a risk mitigation strategy	
Objective 1.6 - Document design decisions	• Establish relationships between a design decision and a requirement • Specify the implications of design decisions
Objective 1.7 - Develop a design validation strategy	

Section 2 - VMware Cloud Foundation (VCF) Fundamentals
Objective 2.1 - Based on a scenario, differentiate between VCF architecture options

Section 3 - Plan and Design
Objective 3.1 - Gather and analyze business objectives and requirements
Objective 3.2 - Given a set of business objectives, create a conceptual model

Objective 3.3 - Create VMware Cloud Foundation (VCF) logical designs	• Given a scenario, identify the prerequisites for VCF • Given a scenario, identify the design decisions to support different VCF Fleet topologies - Logical Design • Given a scenario, identify the design decision(s) to support a Network Infrastructure - Logical Design • Given a scenario, identify the design decision(s) to support a VCF Management Domain - Logical Design • Given a scenario, identify the design decision(s) to support a VCF Workload Domain - Logical Design • Given a scenario, identify the design decision(s) to support a VCF Networking - Logical Design • Given a scenario, identify the design decision(s) to support a VCF Automation - Logical Design • Given a scenario, identify the design decision(s) to support a VCF Operations - Logical Design
Objective 3.4 - Create VMware Cloud Foundation (VCF) physical designs	• Given a scenario, identify the prerequisites for VCF • Given a scenario, identify the design decision(s) to support a VCF Fleet topology - physical design • Given a scenario, identify the design decision(s) to support a Network Infrastructure - physical design • Given a scenario, identify the design decision(s) to support a VCF Management Domain - physical design • Given a scenario, identify the design decision(s) to support a VCF Workload Domain - physical design • Given a scenario, identify the design decision(s) to support a VCF Networking - physical design • Given a scenario, identify the design decision(s) to support a VCF Automation - physical design • Given a scenario, identify the design decision(s) to support a VCF Operations - physical design
Objective 3.5 - Design for Availability	• Given a scenario, identify the design decision(s) to support a solution that provides availability within an availability zone • Given a scenario, identify the design decision(s) to support a solution that provides availability across availability zones
Objective 3.6 - Design for Manageability	• Design for Lifecycle Management • Design for Scalability • Design for Capacity

Objective 3.7 - Design for Performance	• Given a scenario, identify design decision(s) that meet performance requirement
Objective 3.8 - Design for Recoverability	• Differentiate between Business Continuity Disaster Recovery (BCDR) strategies for Management Components and Workloads • Given a scenario, identify the design decision(s) to meet Business Continuity requirements • Given a scenario, identify the design decision(s) to meet Disaster Recovery requirements
Objective 3.9 - Design for Security	• Given a scenario, identify the design decisions for securing VCF Management Components and Workloads
Objective 3.10 - Design a Workload Migration / Onboarding strategy	• Given a scenario, identify the design decisions for workload migration into a VCF environment
Objective 3.11 - Design a consumption strategy for VMware Cloud Foundation (VCF)	• Given a scenario, identify the design decisions for VCF Automation Tenant Design • Given a scenario, identify the design decisions for Self-Service & Governance • Given a scenario, identify the design decisions for automating VCF infrastructure components • Given a scenario, identify the design decisions for supporting Modern Applications in VCF environment
Objective 3.12 - Design a monitoring strategy for VMware Cloud Foundation (VCF)	• Given a scenario, identify design decisions for monitoring VCF management components • Given a scenario, identify design decisions for monitoring VCF Workloads

Section 4 - Deploy, Configure, and Operate
NO TESTABLE OBJECTIVES THIS SECTION

Section 5 - Troubleshoot and Optimize	
	NO TESTABLE OBJECTIVES THIS SECTION

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