

veeam

Veeam Certified Architect 2022

Exam Guide

The Veeam® Certified Architect (VMCA) Certification is the highest level of Veeam certification and demonstrates that an individual possesses a high level of both technical and business skill to design complex, enterprise-level Veeam deployments.

The VMCA 2022 Certification is not a continuation of the Veeam Certified Architect v1 qualification. Significant changes have been made to both course and exam structure, content and theoretical approach.

Candidate profile

This certification is recommended for IT professionals such as Senior Engineers and Architects responsible for creating architectures for Veeam environments.

It is strongly recommended that candidates achieve VMCE certification before attending the Veeam Backup & Replication™ v11: Architecture and Design course and attempting the VMCA 2022 exam. Course attendance is mandatory for the majority of candidates (see next paragraph) and will greatly help in achieving certification. Candidates should also have extensive commercial experience with Veeam and a broad sphere of technical knowledge of servers, storage, networks, virtualization and cloud environments.

To qualify to take the VMCA 2022 exam, candidates must either attend the Veeam Backup & Replication v11: Architecture and Design training course through a Veeam Authorized Educational Center (VMAEC), have attended the Veeam Certified Architect v1 course (previously Veeam Certified Engineer – Advanced: Design & Optimization) within the last 12 months, or hold the Veeam Certified Architect v1 certification.

Upgrades

Holders of the VMCA v1 Certification are entitled to sit the VMCA 2022 exam without sitting the prerequisite course. We do advise that there are significant differences from both the previous VMCA v1 (previously VMCE ADO) course and exam. We encourage all exam takers to sit the Veeam Backup and Replication v11 Architecture and Design training course. However, if you choose to, this Exam Guide contains an outline of the competencies tested on in the exam.

The Veeam Backup & Replication v11: Architecture and Design course introduces candidates to a new conceptual design methodology, the in-depth understanding and application of which is tested on in the exam. As such, **Veeam strongly recommends attending the course before attempting the exam.**

Those who are VMCA v1 qualified and intend to attempt the exam without attending the course, should ensure they are actively working with Veeam, and have significant experience working with customers and stakeholders to gather requirements, define business and technical needs and produce robust scalable architectures. Furthermore, they should ensure they have a thorough and comprehensive understanding of the concepts detailed in the exam outline and reference material included at the end of this document.

Exam structure and presentation

Each exam delivery presents one case study: documentation of the information required to architect a Veeam solution following the Veeam Architecture Methodology (though some information is deliberately omitted for testing purposes). The case studies are inspired by real-life examples, though details have been changed to protect privacy and to accommodate assessment. Each case study comprises five sections:

- Executive overview – a summary of the customer’s infrastructure, issues and requirements
- Solution concept – a high-level description of Veeam’s proposed solution
- Existing technical environment – a specification of the technical environment’s current state
- Business requirements – a specification of the customer’s requirements pertaining to the business
- Technical requirements – a specification of the customer’s technical requirements

Exam deliveries present a split-screen display. The case study is exhibited on the left side of the screen and is available throughout the exam. Each case study section has its own tab, which candidates can select to view as required.

Candidates are presented with 40 exam questions related to the information provided in the case study. The questions are multiple-choice and require selection of one, two or three answers each. Where more than one answer is required, "Choose 2" or "Choose 3" is specified. Candidates cannot choose more answers than specified and the question is flagged as incomplete if insufficient answers are selected. The questions are displayed on the right of the screen.

*While each question directly relates to the case study, the **questions do not relate to each other**. Questions should be considered independently and only in the context of the case study, not in the context of other questions.

Passing score

The passing score for the VMCA exam is 70%. Once you pass the exam, you will receive your VMCA certificate, digital badge and priority access to technical support.

Languages

The exam is available in English (US).

Time limit

Examinees will get 90 minutes to take the exam. A 30-minute time extension will be available when the exam is delivered in a language different than the local language.

Delivery

The VMCA 2022 exam is delivered through Pearson VUE test centers or via their Online Proctored Platform (<https://home.pearsonvue.com/>).

Retake policy

There is a 24-hour waiting period after the first failed attempt and a 14-calendar day waiting period after the second through the fourth failed attempt. After the fifth failed attempt, there is a 12-month waiting period, or a request can be submitted with prior permission from the Veeam VMCE security team, VMCE.fraud@veeam.com. After the candidate has waited 12 months, they can take the exam for attempt six through nine. After that, candidates must wait 12 months again, or submit a request and obtain permission from the Veeam VMCE security team.

Once a candidate has passed an exam, the exam cannot be retaken until a new major exam revision is released.

Recertification

Certifications do not expire, but **ProPartners** may be required to update their certifications to remain compliant in the Veeam **ProPartner** program. Check your **ProPartner** program guide or reach out to your Veeam representative for more details on certification requirements in your region.

Exam security

If a VMCA certification candidate engages in any misconduct that diminishes the security and integrity of the Veeam Certification Program in any way, the candidate may have test scores and certifications revoked and may be prohibited from taking any future Veeam Certification exams.

Examples of misconduct include but are not limited to:

- Seeking to obtain or obtaining unauthorized access to Veeam’s proprietary Certification exams or related course materials, including the use of “brain-dump” material or any other unauthorized publication of exam questions with or without answers
- Misrepresenting or falsifying identity or impersonating another individual
- Bringing or having non-authorized items in the testing area during an exam session
- Deriving the answers to test questions from unauthorized notes, cues or the monitors of other test takers, or any other form of cheating during the exam
- Providing or receiving improper assistance to another during the exam
- Copying, replicating, or disclosing the exam or any exam related information, in whole or in part, in any form or by any means, for any purpose
- Falsifying or altering the results or score reports of any exam record in any way
- Violating the current exam retake policy
- Violating the agreement with the exam delivery provider in any way

Veeam may use data forensics as a basis for an enforcement action against a candidate. Exams and scores may be canceled, certifications may be revoked and candidates may be banned based on statistical evidence.

Exam outline

The following is an outline of the VMCA 2022 exam, detailing what you can expect to be tested on. The competencies have been developed by certification specialists and subject matter experts. The exam tests the candidate's ability to effectively architect a Veeam solution following the Veeam Architecture Methodology used by Veeam's own Solution Architects.

Veeam strongly recommends independent study in addition to commercial experience and course attendance to significantly increase the probability of passing the exam. The exam competencies are listed below. They are provided to help candidates evaluate their readiness for the exam.

*Ancillary knowledge

Though the following technologies are not specifically taught during the course, candidates will be expected to have some familiarity with them for contextual reasons in the exam.

- Oracle
 - RMAN
 - Clustering options
- Microsoft SQL

Discovery (25%)

How to:

- Validate customer objectives, requirements and constraints
- Review preliminary data
- Identify assumptions and risks
- Analyze an existing environment
- Identify complexity in the environment

Conceptual design (25%)

How to:

- Group objects to share resources
- Identify additional requirements, constraints, assumptions and risks
- Address design challenges that go against requirements

Logical design (25%)

How to:

- Match products, components and features with requirements
- Calculate component quantity sizing
- Make recommendations for configuration and features
- Create high level design and data flow

Physical design (15%)

How to:

- Convert logical design into a physical design
- Secure by design
- Harden the Veeam deployment (focus on repository)
- List physical Veeam backup components

Deployment and evaluation (10%)

How to:

- Guide implementation specifics
- Recommend how to validate the design
- Develop the design according to a modification scenario

Useful resources

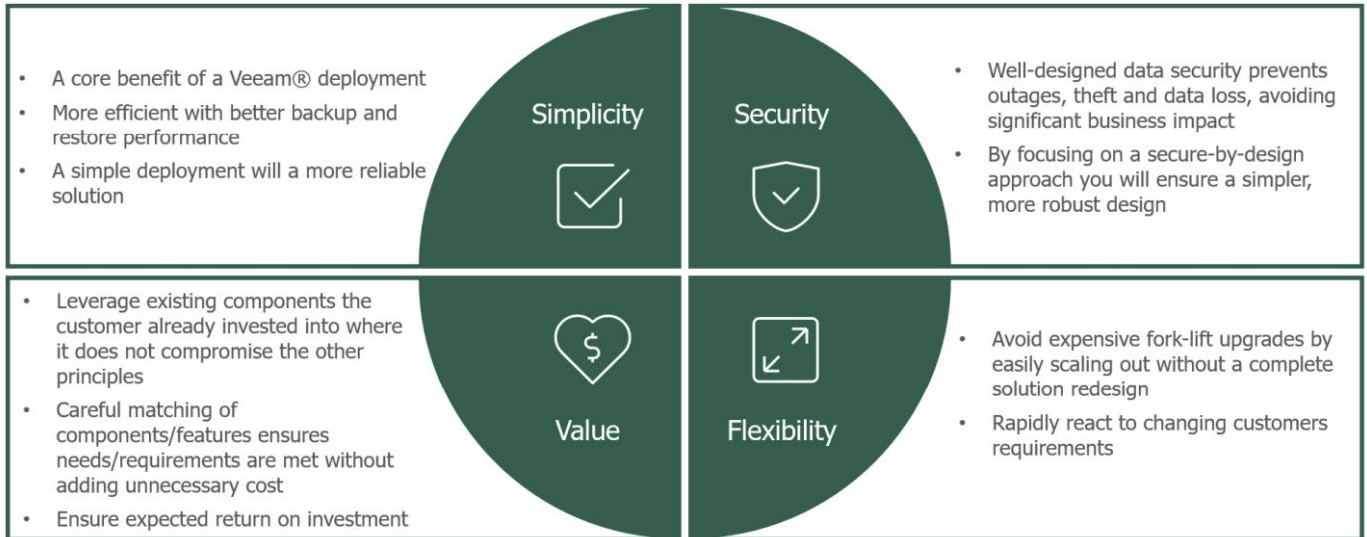
The following reference materials provide an overview of the Veeam Architecture Methodology, as taught in the Veeam Backup & Replication v11: Architecture and Design course, and of which candidates are required to have a comprehensive and thorough understanding. You may find these reference materials useful to assess your understanding of the Veeam Architecture Methodology.

Reference Materials - Methodology

Phase		Focus
Preliminary		<ul style="list-style-type: none"> Identify stakeholders Confirm project scope Confirm viability of project
Iteration	Discovery	<ul style="list-style-type: none"> Detailed list of objectives, requirements and constraints Capture relevant infrastructure metrics
	Conceptual Design	<ul style="list-style-type: none"> Map out requirements, constraints, assumptions, risks Group relevant objects
	Logical Design	<ul style="list-style-type: none"> Decide products, components and features Generalized sizing General data flow
	Physical Design	<ul style="list-style-type: none"> Decide form factor Specific component sizing Bill of materials
	Implementation Governance	<ul style="list-style-type: none"> Review physical design Review implementation plan Provide guidance on implementation specifics that relate to the design
	Validation and Iteration	<ul style="list-style-type: none"> Periodically review state Provide recommendations for subsequent iterations



Reference Materials – Architecture Principles



During the exam, candidates are expected to apply extensive technical understanding of Veeam within the framework of the Veeam Architecture Methodology. Please ensure you are VMCE certified before attempting VMCA certification. If you wish to refresh your technical knowledge, you may find the following resources useful.

[Veeam Technical Documentation](#)