

Scaleway Learning

Your expertise, certified.



Scaleway Foundations

Exam Guide

September 2023

Welcome

As a leading cloud provider, Scaleway recognizes that cloud professionals who earn certifications are particularly well equipped to innovate while maintaining high standards across the cloud industry. This is why we want to help you prove that you have some of the most in-demand and profitable skills in the market.

Our mission is to empower you as a cloud professional by giving you a new way to extract value from your skills and knowledge in a competitive and exponentially growing cloud market.

At Scaleway Learning, supporting your career as a cloud professional is our primary source of motivation. We design every new learning experience to have the biggest possible impact in terms of nurturing and expanding your cloud expertise.

Our groundbreaking learning pathway, Scaleway Foundations, is your first opportunity to become officially Scaleway certified. Becoming a Scaleway Foundations certificate holder means demonstrating the capacity to perform standard tasks within the Scaleway ecosystem, such as selecting the right products for your use case, configuring access and security, optimizing efficiency while reducing costs, and much more.

We've designed Scaleway Foundations with the following learning journeys in mind:

- You are a cloud professional who is just starting out with Scaleway.
- You are considering adopting Scaleway for your business.
- You are a consultant and would like to recommend Scaleway to your clients.

Certification is proof of a strong commitment to continuous learning and development. We are looking forward to supporting you as you put this commitment into practice.

Happy learning!

Kindly,

Leanna Inzalaco

Leanna Inzalaco
Product Documentation Team
linzalaco@scaleway.com

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Introduction

The Scaleway Foundations Exam tests broad knowledge of cloud concepts and the products, services, benefits, and use cases of the Scaleway ecosystem. To pass the exam, the candidate must demonstrate a capacity to create a strong foundation for their cloud infrastructure with Scaleway.

The exam validates a candidate's ability to complete the following tasks:

- Describe each of the Scaleway ecosystem's **core concepts and capabilities**:
 - Security & Identity
 - Compute
 - Bare Metal
 - Serverless
 - Containers
 - Storage
 - Managed Databases
 - Network
 - Observability
 - Managed Services
- Authenticate standard requests using the **Scaleway CLI** and the **Scaleway API**.
- Identify the best Scaleway product for common **use cases**.
- Explain the **billing methods** for each product and understand the methods that allow users to estimate total costs.
- **Optimize infrastructure efficiency** to improve performance and reduce costs.
- Build the foundation that makes an organization's infrastructure **scalable**, **secure**, and **highly available**.

Target Candidates

The Scaleway Foundations Exam is for entry-level Scaleway users.

Typical candidates are **just starting out** with Scaleway and are generally:

- Business leaders who are steering their company's choice of cloud provider(s).
- Consultants who recommend cloud providers to fit their clients' business needs.
- Technical architects.
- DevOps and SysAdmins.
- Developers who are familiar with cloud environments.

- Students and graduates looking to boost their cloud qualifications.

REQUIREMENTS

Candidates should meet the following requirements before taking the exam:

- Standard familiarity with the Linux command line shell.

Exam Details

The exam lasts up to **1 hour** and includes **50 questions**.

For each question on the exam, the candidate selects the best response(s) and eliminates distractors. Distractors are incorrect answers that may seem plausible to candidates who lack sufficient expertise.

The exam's instructions specify the number of expected responses for each type of question:

- **Multiple choice questions** have one correct response.
- **True or false questions** have one correct response.
- **Multiple response questions** have two or more correct responses.
- **Matching questions** require all options to be correctly matched.
- **Fill in the blank questions** require the candidate to move words from a word bank to their correct positions within a sentence.
- **Hot spot questions** require the candidate to select the correct zone in an image.

Unanswered questions are scored as incorrect.

EXAM RESULTS

The Scaleway Foundations Exam is a pass or fail exam. Candidates take the exam at the end of an in-person training session and receive their results instantly. Scaleway scores the exam against a minimum standard that follows industry best practices and guidelines.

Exam results are reported as a score on a scale of 1-100. **The minimum passing score is 70.** The overall score shows the percentage of questions answered correctly.

EXAM CONTENT & OUTLINE

The Scaleway Foundations Exam verifies the candidate's expertise in the following domains and subdomains:

1	Introduction to the Scaleway Ecosystem
A	Articulate the capabilities of the Scaleway cloud ecosystem, including how its products and services benefit organizations
B	Identify Scaleway products for specific use cases
C	Understand billing and payment methods for Scaleway products
D	Identify Regions and Availability Zones and describe the particularities of each
E	Choose a support plan based on business needs
2	Security & Identity
A	Manage access to an Organization with different permission levels for each user
B	Protect sensitive information and prevent data breaches
3	Compute
A	Describe the Operating Systems and InstantApps available for an Instance
B	Identify the RAM and CPU available for an Instance
C	Add a volume to an Instance
D	Optimize the performance of multiple Instances
4	Bare Metal
A	Understand the capabilities of Elastic Metal, Dedibox, and Mac mini M1
5	Networking
A	Understand the purpose and capabilities of a Virtual Private Cloud (VPC)
B	Describe IP filtering criteria
C	Identify the available protocols for Load Balancer configuration

6	Storage
A	Understand standard concepts including buckets, bucket policies, volumes, and versioning
B	Identify the business needs that Object Storage and Block Storage meet
7	Serverless
A	Identify the languages that Serverless Functions supports
B	Describe maximum execution times, runtimes, and request processing capacity
C	Describe the advantages of Scaleway's serverless products
8	Managed Databases
A	Describe the advantages of using a Managed Database service
B	Identify the best type of Manage Database for different use cases
C	Describe the security features that are available for Managed Databases
D	Understand how to prevent data loss
9	Observability
A	Describe the capabilities of Cockpit
B	Understand how to configure the Grafana agent
10	Kubernetes
A	Describe Scaleway's Kubernetes products
B	Describe Easy Deploy functionalities

EXAM BENEFITS & REWARDS

Candidates who pass the exam receive the **Scaleway Foundations badge** and the **Scaleway Foundations certificate**.

Candidates can bolster their professional credentials by sharing the badge and certificate with their network through social media and any other methods available to them.

Scaleway may publicly congratulate the candidate for passing the exam after receiving the candidate's permission to do so. Congratulation methods may include posts on Scaleway's social media accounts and/or mentions on Scaleway's website.

REGISTRATION & COST

The Scaleway Foundations Exam is included at no extra charge for candidates who attend an in-person Scaleway Foundations training session.

Details about in-person training sessions, including registration fees and session dates, are available at the following URL:

<https://training.wescale.fr/formations/scaleway-fondations>

Candidates may request OPCO financing for an in-person training session.

Have a question? Scaleway's E-learning Specialist, Leanna Inzalaco, will be happy to help! Her email address is linzalaco@scaleway.com.