



210-451

Understanding Cisco Cloud Fundamentals

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SUCCESS GUIDE TO CISCO CERTIFICATION

Exam Summary – Syllabus – Questions

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Introduction to 210-451 Exam on Understanding Cisco Cloud Fundamentals

A great way to start the Cisco Certified Network Associate Cloud (CLDFND) preparation is to begin by properly appreciating the role that syllabus and study guide play in the Cisco 210-451 certification exam. This study guide is an instrument to get you on the same page with Cisco and understand the nature of the Cisco CCNA Cloud exam.

Our team of experts has composed this Cisco 210-451 exam preparation guide to provide the overview about Cisco Understanding Cisco Cloud Fundamentals exam, study material, sample questions, practice exam and ways to interpret the exam objectives to help you assess your readiness for the Cisco CLDFND exam by identifying prerequisite areas of knowledge. We recommend you to refer the simulation questions and practice test listed in this guide to determine what type of questions will be asked and the level of difficulty that could be tested in the Cisco CCNA Cloud certification exam.

Cisco 210-451 Certification Details:

Exam Name	Understanding Cisco Cloud Fundamentals
Exam Number	210-451 CLDFND
Exam Price	\$300 USD
Duration	90 minutes
Number of Questions	55-65
Passing Score	Variable (750-850 / 1000 Approx.)
Recommended Training	Understanding Cisco Cloud Fundamentals (CLDFND) Understanding Cisco Cloud Fundamentals (CLDFND) E-Learning
Exam Registration	<u>PEARSON VUE</u>
Sample Questions	Cisco 210-451 Sample Questions
Practice Exam	Cisco Certified Network Associate Cloud Practice Test

Cisco 210-451 Exam Syllabus:

Section	Weight	Objectives
Cloud Characteristics and Models	14%	1 Describe common cloud characteristics a) On-demand self service b) Elasticity c) Resource pooling d) Metered service e) Ubiquitous network access (smartphone, tablet, mobility) f) Multi-tenancy 2 Describe Cloud Service Models a) Infrastructure as a Service (IaaS) b) Software as a Service (SaaS) c) Platform as a Service (PaaS)
Cloud Deployment	16%	1 Describe cloud deployment models a) Public b) Private c) Community d) Hybrid 2 Describe the Components of the Cisco Intercloud Solution a) Describe the benefits of Cisco Intercloud b) Describe Cisco Intercloud Fabric Services
Basic Knowledge of Cloud Compute	24%	1 Identify key features of Cisco UCS a) Cisco UCS Manager b) Cisco UCS Central c) B-Series d) C-Series e) Server identity (profiles, templates, pools) 2 Describe Server Virtualization a) Basic knowledge of different OS and hypervisors

Section	Weight	Objectives
Basic Knowledge of Cloud Networking	22%	<p>1 Describe network architectures for the data center</p> <ul style="list-style-type: none"> a) Cisco Unified Fabric <ul style="list-style-type: none"> a.1 Describe the Cisco Nexus product family a.2 Describe device virtualization b) SDN <ul style="list-style-type: none"> b.1 Separation of control and data b.2 Programmability b.3 Basic understanding Open Daylight c) ACI <ul style="list-style-type: none"> c.1 Describe how ACI solves the problem not addressed by SDN c.2 Describe benefits of leaf/spine architecture c.3 Describe the role of APIC Controller <p>2 Describe Infrastructure Virtualization</p> <ul style="list-style-type: none"> a) Difference between vSwitch and DVS b) Cisco Nexus 1000V components <ul style="list-style-type: none"> b.1 VSM b.2 VEM b.3 VSM appliance c) Difference between VLAN and VXLAN d) Virtual networking services e) Define Virtual Application Containers <ul style="list-style-type: none"> e.1 Three-tier application container e.2 Custom container

Section	Weight	Objectives
Basic Knowledge of Cloud Storage	24%	<p>1 Describe storage provisioning concepts</p> <p>a) Thick</p> <p>b) Thin</p> <p>c) RAID</p> <p>d) Disk pools</p> <p>2 Describe the difference between all the storage access technologies</p> <p>a) Difference between SAN and NAS; block and file</p> <p>b) Block technologies</p> <p>c) File technologies</p> <p>3 Describe basic SAN storage concepts</p> <p>a) Initiator, target, zoning</p> <p>b) VSAN</p> <p>c) LUN</p> <p>4 Describe basic NAS storage concepts</p> <p>a) Shares / mount points</p> <p>b) Permissions</p> <p>5 Describe the various Cisco storage network devices</p> <p>a) Cisco MDS family</p> <p>b) Cisco Nexus family</p> <p>c) UCS Invicta (Whiptail)</p> <p>6 Describe various integrated infrastructures</p> <p>a) FlexPod (NetApp)</p> <p>b) VBlock (VCE)</p> <p>c) VSPEX (EMC)</p> <p>d) OpenBlock (Red Hat)</p>

210-451 Sample Questions:

01. Which option contains server hardware identifiers, firmware, state, configuration, and connectivity characteristics?

- a) pools
- b) policies
- c) service profiles
- d) resource groups

02. How many Virtual Supervisor Modules can be installed in the Cisco Nexus 1000v virtual chassis?

- a) 1
- b) 2
- c) 3
- d) 4

03. Which three options are considered Cloud deployment models?

(Choose three.)

- a) Public Cloud
- b) Hybrid Cloud
- c) Open Cloud
- d) Private Cloud
- e) Stack Cloud
- f) Distributed Cloud

04. Company ABC hosts all their applications internally. During one day of the month, the demand for their applications far exceeds the capacity of their datacenter. Which Cloud model should Company ABC consider using?

- a) Community
- b) Private
- c) Hybrid
- d) Public

05. What is an example of a personal cloud service?

- a) Amazon Web Services
- b) Microsoft Azure
- c) Microsoft OneDrive
- d) Glacier backup

06. Which option is used to manage Multi-Domain Cisco UCS?

- a) Cisco UCS Manager
- b) Cisco UCS Central
- c) Cisco UCS B-Series
- d) Cisco UCS C-Series

07. The Cisco InterCloud Fabric Director provides what functionality?

- a) It is the single point of management and consumption for hybrid Cloud solutions.
- b) It is the single point of management and consumption for public Cloud solutions.
- c) It is the single point of management and consumption for private Cloud solutions.
- d) It is a plugin of a Virtual Machine Manager to provide management and configuration for hybrid Cloud solutions.

08. Which API structure does Cisco UCS Manager support?

- a) JSON
- b) XML
- c) RUBY
- d) PERL

09. What are the key features of UCS?

- a) 10 Gigabit unified network fabric, virtualization optimization, unified management, service profiles, flexible IO options
- b) Gigabit network , virtualization optimization, unified management, service profiles, flexible IO options
- c) 10 Gigabit unified network fabric, virtualization hardware, unified management, service profiles, performance IO options
- d) 10 Gigabit unified network fabric, virtualization optimization, unified management, service profiles, performance IO options

10. Which administrative task is most disruptive to a Cisco UCS B-Series cluster?

- a) reboot of a Fabric Interconnect
- b) changing the switching mode of a Fabric Interconnect
- c) re-seating a server
- d) resetting an IOM

Answers to 210-451 Exam Questions:

Question: 01	Question: 02	Question: 03	Question: 04	Question: 05
Answer: c	Answer: b	Answer: a, b, d	Answer: c	Answer: c
Question: 06	Question: 07	Question: 08	Question: 09	Question: 10
Answer: b	Answer: a	Answer: b	Answer: a	Answer: b

Note: If you find any typo or data entry error in these sample questions, we request you to update us by commenting on this page or write an email on feedback@nwexam.com