



**CCC
Cloud Computing**

**CLOUD VIRTUALIZATION
ESSENTIALS**

Certified by


Sample Exam

Edition 201606

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Introduction

This is the sample exam EXIN CCC Cloud Virtualization Essentials. The Rules and Regulations for EXIN's examinations apply to this exam.

This exam consists of 40 multiple-choice questions. Each multiple-choice question has a number of possible answers, of which only one is the correct answer.

Please note that there is no Rationale available for this exam at this time. The correct answers are provided in the Evaluation section.

The maximum number of points that can be obtained for this exam is 40. Each correct answer is worth one point. If you obtain 26 points or more you will pass.

The time allowed for this exam is 60 minutes.

Good luck!

Sample exam

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Which of these is **not** a type of virtualization?

- A. Server virtualization
- B. Terminal services
- C. Data platform
- D. Network virtualization

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Which of these is very relevant for cloud computing, but less so for simple virtualization?

- A. Federated identities
- B. Management tools
- C. Shared hardware
- D. Hypervisors

3 / 40

When was the start of virtualization?

- A. 1950s
- B. 1960s
- C. 1980s
- D. 1990s

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What is **not** a definition of virtualization?

- A. An integrated approach involving hardware, software, techniques, and processes
- B. A software category
- C. An approach to IT architecture where logical abstractions stand in for physical devices
- D. An application lifecycle management methodology

5 / 40

What is **not** a valid business driver for virtualization?

- A. Reduced capital expenditure
- B. Improved configuration management
- C. Greater flexibility
- D. Reduced operating costs

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Which factors should be considered when consolidating applications with virtualization?

- A. CPU utilization, Disk i/o, User interface requirements
- B. CPU utilization, Disk i/o, Memory requirements
- C. Disk i/o, User interface requirements, Memory requirements
- D. CPU utilization, User interface requirements, Memory requirements

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How do application developers benefit from virtualization?

- A. Back-ups are more stable and easier to retrieve.
- B. Compilers can take advantage of multiple CPUs.
- C. It provides improved debugging facilities.
- D. Multiple versions can be tested on the same hardware.

8 / 40

What are user benefits of desktop virtualization?

- A. Thin terminals, Roaming, Environmental
- B. Thin terminals, Provisioning, Roaming
- C. Thin terminals, Provisioning, Environmental
- D. Provisioning, Roaming, Environmental

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What type of job matches the task-based users?

- A. Manager
- B. Surgeon
- C. Trader
- D. Call center worker

10 / 40

What types of applications are **not** suitable for virtualization?

- A. Life-critical, Real-time, Fluctuating CPU demands
- B. Life-critical, Real-time, High I/O requirements
- C. Life-critical, High I/O requirements, Fluctuating CPU demands
- D. Real-time, High I/O requirements, Fluctuating CPU demands

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Which virtualization layer allows the underlying physical hardware to be shared and what does it let you do?

- A. A server virtualization layer creates multiple VMs that appear to be fully functional servers.
- B. A server virtualization layer creates multiple VMs that appear to be partially functional servers.
- C. A desktop virtualization layer creates multiple VMs that appear to be fully functional servers.
- D. A desktop virtualization layer creates multiple VMs that appear to be partially functional servers.

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Which virtual operating system abstraction provides a protected environment in which applications run?

- A. LUN
- B. Zone
- C. LPAR
- D. LDOM

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Where do you install a bare metal hypervisor?

- A. Into a virtual machine running on a server
- B. Directly into the operating system running on a server
- C. Directly onto the physical server hardware
- D. In a conventional operating system environment

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Which of the following is a VMware product?

- A. ESX
- B. Hyper-V
- C. XenServer
- D. Virtualization for Servers

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What is another name for a hypervisor?

- A. Virtual Machine Monitor
- B. Paravirtualization
- C. Multisupervisor
- D. Guest Machine Monitor

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Which virtualization feature might you use before you shut a physical server for maintenance?

- A. High availability
- B. Live migration
- C. VM restores
- D. Dynamic load balancing

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Which is **not** "transient" virtual media?

- A. Virtual CD-ROM
- B. Virtual floppy
- C. Virtual hard disk
- D. Virtual USB

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Which is an example of the Path Isolation technology?

- A. Virtual firewalls
- B. Network Access Control
- C. MPLS
- D. All of the above

19 / 40

Which of the following statements is correct?

1. Workplace virtualization can be used to secure corporate data.
 2. Workplace virtualization can allow secure access to the corporate network from a user's home PC.
 3. Workplace virtualization is **not** applicable to laptop users.
- A. 1 and 3
 - B. 2 and 3
 - C. 1 and 2
 - D. All statements are correct.

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What is **not** a benefit of virtualization to users?

- A. Lower bills
- B. Access to applications when travelling to other buildings
- C. Better support for printers and other desktop devices
- D. All of the above

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What is **not** an example of workplace virtualization technologies?

- A. VDI
- B. Hypervisors
- C. Terminal services
- D. Browser-based desktops

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Which of the following statements is correct?

1. Browser-based desktops allow most in-house and third-party applications to be rendered in the browser.
 2. Browser-based desktops are generally efficient and scalable in the data center.
 3. Browser-based desktops are appropriate for standardized access to a limited range of applications.
- A. 1 and 2
 - B. 1 and 3
 - C. 2 and 3
 - D. All statements are correct.

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What does VDI do?

- A. VDI provides seamless offline access to applications.
- B. VDI can provide each user with multiple desktops.
- C. VDI can provide each user with an individual, persistent desktop.
- D. VDI makes it easy to host a mix of applications on different OS versions.

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What type of connection is needed for Virtual Desktop Copying?

- A. broadband
- B. high-speed
- C. secure
- D. high-latency

25 / 40

What is **not** considered part of the evaluation phase of virtualization adoption?

- A. Service Introduction
- B. Planning
- C. Pilot
- D. PoC

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When developing a roadmap for virtualization, which main activity should be tackled first after Service Introduction?

- A. Limited use by early adopters
- B. Lessons learned from running the platform
- C. Aggressive conversion of physical servers
- D. Redevelopment of old applications

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What activity should be considered during the migration phase of virtualization adoption?

- A. Conversion, (Re)development, New services
- B. Conversion, New services, CASE
- C. Conversion, (Re)development, CASE
- D. (Re)development, CASE, New services

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What is **not** a level of maturity an enterprise will go through during virtualization adoption?

- A. Managed
- B. Operation
- C. Evaluating
- D. Enabled

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An enterprise has done the following things:

- deployed a virtual infrastructure
- implemented self-service virtual infrastructure admin management tools
- considers deploying and operating physical servers in an exception process

At which level of maturity is this enterprise?

- A.** Enabled
- B.** Evaluating
- C.** Managed
- D.** Adopting

30 / 40

What must be considered concurrently when developing an enterprise-scale virtualization roadmap?

- A.** Migration, Operation, Maturity
- B.** Migration, Operation, Technology
- C.** Operation, Technology, Maturity
- D.** Migration, Maturity, Technology

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When considering a new operating model for enterprise-scale virtualization, which topics need to be considered?

- A.** Process, Ownership, People
- B.** Process, Construction, People
- C.** Ownership, People, Construction
- D.** Process, Ownership, Construction

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Which steps are part of Virtual Clarity's application-focused approach to physical to virtual server migration?

- A.** Collate, Vet, Schedule
- B.** Vet, Schedule, Enhance
- C.** Collate, Vet, Enhance
- D.** Collate, Enhance, Schedule

33 / 40

What do licensing costs scale within a virtualization-friendly license agreement?

- A.** new releases
- B.** virtual servers deployed
- C.** number of devices per user
- D.** number of concurrent users

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Which statement, which affects a company's negotiating position for software licenses, is **not** typically true of virtual environments?

- A. Hardware deployments will increase relative to past experience.
- B. Hardware deployments will decrease relative to past experience.
- C. Number of employees will increase relative to past experience.
- D. Operating system instances per employee will decrease relative to past experience.

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Which license assurance approaches does **not** work well with virtualization?

- A. Hardware "dongles" to limit use of software
- B. Usage-based metering and true-up
- C. "All-you-can-eat" enterprise license agreements
- D. Concurrent license management software on the network

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What is a common challenge for desktop application virtualization?

- A. Certifying that the application is virtualization-ready
- B. Ensuring that the underlying DLLs are in place on the machines that will host the application
- C. Ensuring that the application is streamed to the right users
- D. Ensuring that the applications can communicate with the other applications

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What is a technology risk that must be managed when governing a virtual environment?

- A. Consolidation risk from more concentrated environments
- B. Interpretation of multicore license agreements
- C. Management of hypervisor administration accounts
- D. Appropriate change control of critical components

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What characterizes a catalog-based service pricing model?

- A. Costs taken directly by the business line
- B. Costs allocated according to actual usage
- C. Fixed cost allocated per subscribed resource per month
- D. Costs held centrally and allocated according to share of revenue

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Which key governance objective is particularly important for a consumer?

- A. Understand the probable demand for the service.
- B. Mitigate the business impact of any issues.
- C. Gain clear business backing for plans and costs.
- D. Gain a say in roadmaps and timelines.

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Which source of risk can be partially mitigated through workforce training and awareness?

- A. Inadequate network isolation
- B. Complex networking topologies
- C. Automation
- D. Inadequate internal standards

Evaluation

The table below shows the correct answers to the questions in this sample exam.

Question	Answer Key	Question	Answer Key
1	C	21	B
2	A	22	C
3	B	23	C
4	D	24	B
5	B	25	A
6	B	26	A
7	D	27	C
8	B	28	B
9	D	29	A
10	B	30	B
11	A	31	A
12	B	32	A
13	C	33	D
14	A	34	A
15	A	35	A
16	B	36	D
17	C	37	A
18	C	38	C
19	C	39	D
20	C	40	B

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