



1Z0-590

Oracle VM 3.0 for x86 Essentials
Exam Summary – Syllabus – Questions



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Introduction to 1Z0-590 Exam on Oracle VM 3.0 for x86 Essentials

You can use this exam guide to collect all the information about Oracle VM 3.0 for x86 Essentials (1Z0-590) certification. The Oracle 1Z0-590 certification is mainly targeted to those candidates who has some experience or exposure of Server Virtualization and want to flourish their career with Oracle VM 3.0 for x86 Certified Implementation Specialist (OCS) credential. The Oracle VM 3.0 for x86 Essentials certification exam validates your understanding of the Server Virtualization technology and sets the stage for your future progression. Your preparation plan for Oracle 1Z0-590 Certification exam should include hands-on practice or on-the-job experience performing the tasks described in following Certification Exam Topics table.

Oracle 1Z0-590 Certification Details:

Exam Name	Oracle VM 3.0 for x86 Essentials
Exam Code	1Z0-590
Exam Product Version	Oracle VM
Exam Price	USD \$245 (Pricing may vary by country or by localized currency)
Duration	120 minutes
Number of Questions	72
Passing Score	61%
Validated Against	This exam is validated against version 3.0
Format	Multiple Choice
Recommended Training	Oracle VM Administration: Oracle VM Server for x86
Schedule Exam	Pearson VUE - Oracle
Recommended Practice	1Z0-590 Online Practice Exam

Oracle 1Z0-590 Exam Syllabus:

Virtualization Essentials	<ul style="list-style-type: none"> - Differentiate Server Virtualization technologies - Explain the Hardware Virtualization Model - Explain the Paravirtualization Model
Xen Essentials	<ul style="list-style-type: none"> - Identify xm Commands for common tasks - Explain the Netfront/Blkfront and Netback/Blkback Driver Model - Describe the difference between Dom0 and a DomU - Describe a Guest Config File - Explain Xen Bridges
Oracle VM Essentials	<ul style="list-style-type: none"> - Describe Oracle VM Installation - Describe Oracle VM's Guest OS Support - Patch an Oracle VM Server from Oracle VM Manager
Oracle VM Architectures	<ul style="list-style-type: none"> - Describe the components of the Oracle VM Architecture - Explain the function of the Oracle VM Manager Database Repository - Describe the components of the OVS Agent and their purpose - Describe the role of the Server Pool Master - Explain the Physical to Virtual (p2v) conversion process
Oracle VM Manager	<ul style="list-style-type: none"> - Install Oracle VM Manager from Media - Create Virtual Machines using Oracle VM Manager - Import Virtual Machine Images using Oracle VM Manager - Import an ISO File using Oracle VM Manager - Create and use Shared Virtual Disks using Oracle VM Manager - Manage Virtual Machines using Oracle VM Manager - Configure Virtual Machines using Oracle VM Manager - Explain the various Cloning types and options - Clone a Virtual Machine using a Clone Definition - Describe how to manage events - Configure Server IPMI
Server Pools	<ul style="list-style-type: none"> - Explain the directory structure for a Repository - Explain Oracle VM's Shared Storage Pool - Create a Shared Repository - Manage a Shared Repository - Configure an OCFS2 Cluster - Configure a Repository Using NFS or iSCSI - Register a File Server - Set up an HA Server Pool
High Availability	<ul style="list-style-type: none"> - Explain the Automatic Failover Process - Explain the Live Migration Process - Use Network Bonding in an HA Environment - Use Storage Multipathing in an HA Environment

Best Practices	<ul style="list-style-type: none"> - Apply best practices in Dom0 - Apply best practices with Storage Repositories - Configure DRS/DPM - Apply best practices with network types - Determine when to use Policies/QoS features
Oracle VM Templates	<ul style="list-style-type: none"> - Explain the benefits of Oracle VM Templates - Install a template from Oracle - Describe the JeOS Tools - Explain the use of Boot and Cleanup Scripts - Describe the Oracle VM Template Builder
Oracle VM Networking	<ul style="list-style-type: none"> - Describe the different network types and their uses - Explain the use of Oracle VM VNIC Manager - Configure Networking
Troubleshooting	<ul style="list-style-type: none"> - Explain which Log Files are used with Oracle VM Server/VM Manager - Troubleshoot problems with the Oracle VM Server Components - Examine the Xen Internal Systems to solve common problems - Explain Xen Commands for troubleshooting network issues - Troubleshoot problems with the OVS Agent - Troubleshoot issues with Attached Storage Arrays - Explain troubleshooting methods for common problems

1Z0-590 Sample Questions:

01. What component of Oracle VM Product is specifically responsible for the automatic failover process?

- a) OCFS2
- b) Server Pool Master
- c) Oracle Clusterware
- d) utility server
- e) virtual machine server

02. Which three are part of the JeOS toolkit?

- a) Linux command to customize the JeOS images and create the template
- b) JeOS license file
- c) Enterprise Linux JeOS images to use for the System.img
- d) Microsoft Windows JeOS images to use for the System.img
- e) Template reconfiguration scripts
- f) Red Hat Enterprise Linux JeOS images to use for the System.img

03. What task can an Administrator do that a Manager cannot in Oracle VM Manager?

- a) manage server pools
- b) manage servers

- c) manage resources
- d) manage virtual machines
- e) create users and groups
- f) import resources

04. Oracle VM Server consists of which two software components?

- a) Oracle Database XE
- b) Oracle Enterprise Linux 5.3
- c) Xen Hypervisor
- d) Oracle Containers for Java (OC4J)
- e) Oracle WebLogic Server (WLS)

05. Which three attributes of an existing virtual disk can be changed using Oracle VM Manager?

- a) Virtual Disk N
- b) Virtual Disk Size
- c) Hard Drive Type
- d) QoS Enabled
- e) Priority Class

06. What two configuration files are associated with an OCFS2 cluster?

- a) /etc/ocfs2/cluster.conf
- b) /etc/sysconfig/ocfs2
- c) /etc/sysconfig/cluster.conf
- d) /etc/sysconfig/o2cb

07. When setting up an iSCSI repository, what three steps must be completed before running the repos.py commands?

- a) The iSCSI LUN must be formatted with the OCFS2 file system.
- b) The iscsi-adm service must be installed and running.
- c) The iSCSI daemon must be installed and running.
- d) Multipathing must be configured and the multipath daemon must be running.
- e) The iSCSI LUNs must be mapped to local devices.

08. What information is required to connect to a YUM repository from Oracle Template Builder?

- a) the URL of the YUM repository only
- b) the URL of the YUM repository and a SHA5 key from Oracle for the repository
- c) the name and URL of the YUM repository, along with the user name and password for the YUM server's administrator
- d) the name of the YUM repository only

09. What command will show the current status of all Oracle VM Agent components?

- a) service ovs status

- b) xm show ovs-agent
- c) service ovs-agent status
- d) repos.py -1
- e) xm dmesg

10. Which option describes the purpose of the Generic Desktop Provider?

- a) It connects to a pool of virtual machines with a RDP service.
- b) It connects to any virtual or any physical machine with a RDP service.
- c) It connects to any physical machine regardless of operating system.
- d) It connects to any virtual or any physical machine with a VNC service.

Answers to 1Z0-590 Exam Questions:

QUESTION: 01 Answer: c	QUESTION: 02 Answer: a, b, e	QUESTION: 03 Answer: e	QUESTION: 04 Answer: b, c	QUESTION: 05 Answer: b, d, e
QUESTION: 06 Answer: b, d	QUESTION: 07 Answer: a, b, c	QUESTION: 08 Answer: d	QUESTION: 09 Answer: c	QUESTION: 10 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@oraclestudy.com