



70-414

MCSE Server Infrastructure

A Success Guide to Prepare-
Microsoft Implementing an Advanced Server Infrastructure

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Introduction to 70-414 Exam on Implementing an Advanced Server Infrastructure

Use this quick start guide to collect all the information about Microsoft Implementing an Advanced Server Infrastructure (70-414) Certification exam. This study guide provides a list of objectives and resources that will help you prepare for items on the 70-414 implementing an Advanced Server Infrastructure exam. The Sample Questions will help you identify the type and difficulty level of the questions and the Practice Exams will make you familiar with the format and environment of an exam. You should refer this guide carefully before attempting your actual Microsoft MCSE Server Infrastructure certification exam.

The Microsoft Implementing an Advanced Server Infrastructure certification is mainly targeted to those candidates who want to build their career in Windows Server domain. The Microsoft Certified Solutions Expert (MCSE) - Server Infrastructure exam verifies that the candidate possesses the fundamental knowledge and proven skills in the area of Microsoft MCSE Server Infrastructure.

Microsoft 70-414 Certification Details:

Exam Name	Microsoft Certified Solutions Expert (MCSE) - Server Infrastructure
Exam Code	70-414
Exam Price	\$165 (USD)
Duration	120 min
Number of Questions	45-55
Passing Score	700 / 1000
Books / Training	20414C
Schedule Exam	Pearson VUE
Sample Questions	Microsoft Implementing an Advanced Server Infrastructure Sample Questions
Practice Exam	Microsoft 70-414 Certification Practice Exam

Microsoft 70-414 Exam Syllabus:

Topic	Details	Weights
Manage and maintain a server infrastructure	<p>Design an administrative model - Design considerations, including user rights and built-in groups; design a delegation of administration structure for Microsoft System Center 2012 R2; design self-service portals by using System Center Service Manager; delegate rights for managing private cloud by using AppController and System Center Virtual Machine Manager</p> <p>Design a monitoring strategy - Design considerations including monitoring servers using Audit Collection Services (ACS) and System Center Global Service Monitor, performance monitoring, application monitoring, centralised monitoring, and centralised reporting; implement and optimise System Center 2012 – Operations Manager management packs; plan for monitoring Active Directory</p> <p>Plan and implement automated remediation - Create an Update Baseline in Virtual Machine Manager; implement a Desired Configuration Management (DCM) Baseline; implement Virtual Machine Manager integration with Operations Manager; configure Virtual Machine Manager to move a VM dynamically based on policy; integrate System Center 2012 for automatic remediation into your existing enterprise infrastructure; design and implement a Windows PowerShell Desired State Configuration (DSC) solution</p>	25-30%
Plan and implement a highly available enterprise infrastructure	<p>Plan and implement failover clustering - Plan for and implement multi-node and multi-site clustering including the use of networking storage, name resolution, and Global Update Manager (GUM); design considerations including redundant networks, network priority settings, resource failover and failback, heartbeat and DNS settings, Quorum configuration, storage placement and replication, and cluster aware updates</p>	25-30%

Topic	Details	Weights
	<p>Plan and implement highly available network services</p> <ul style="list-style-type: none"> - Plan for and configure Network Load Balancing (NLB); design considerations including fault-tolerant networking, multicast vs. unicast configuration, state management, and automated deployment of NLB using Virtual Machine Manager service templates <p>Plan and implement highly available storage solutions</p> <ul style="list-style-type: none"> - Plan for and configure storage spaces and storage pools; design highly available, multi-replica DFS namespaces; plan for and configure multi-path I/O (MPIO); configure highly available iSCSI Target and iSNS Server; plan for and implement storage using RDMA and SMB multi-channel <p>Plan and implement highly available roles</p> <ul style="list-style-type: none"> - Plan for a highly available Dynamic Host Configuration Protocol (DHCP) Server, Hyper-V clustering, Continuously Available File Shares, and a DFS Namespace Server; plan for and implement highly available applications, services and scripts using Generic Application, Generic Script and Generic Service clustering roles <p>Plan and implement a business continuity and disaster recovery solution</p> <ul style="list-style-type: none"> - Plan a backup and recovery strategy; planning considerations including Active Directory domain and forest recovery, Hyper-V replica including using Microsoft Azure Site Recovery, domain controller restore and cloning, and Active Directory object and container restore using authoritative restore and Recycle Bin; plan for and implement backup and recovery by using System Center Data Protection Manager (DPM) 	
Plan and implement a server virtualisation infrastructure	<p>Plan and implement virtualisation hosts</p> <ul style="list-style-type: none"> - Plan for and implement delegation of virtualisation environment (hosts, services and VMs), including self-service capabilities; plan and implement multi-host libraries including equivalent objects; plan for and implement host resource optimisation; integrate third-party 	25-30%

Topic	Details	Weights
	<p>virtualisation platforms; deploying Hyper-V hosts to bare metal</p> <p>Plan and implement virtual machines - Plan for and implement highly available VMs; plan for and implement guest resource optimisation including shared VHDx; configure placement rules; create Virtual Machine Manager templates</p> <p>Plan and implement virtualisation networking - Plan for and configure Virtual Machine Manager logical networks, including virtual switch extensions and logical switches; plan for and configure IP address and MAC address settings across multiple Hyper-V hosts, including network virtualisation; plan for and configure virtual network optimisation; plan and implement Windows Server Gateway; plan and implement VLANs and pVLANs; plan and implement virtual machine (VM) networks; plan and implement converged networks</p> <p>Plan and implement virtualisation storage - Plan for and configure Hyper-V host clustered storage; plan for and configure Hyper-V virtual machine storage including virtual Fibre Channel, iSCSI and shared VHDx; plan for storage optimisation; plan and implement storage using SMB 3.0 file shares</p> <p>Plan and implement virtual machine movement - Plan for and configure live and storage migration between Hyper-V hosts; plan for and manage P2V and V2V; plan and implement virtual machine migration between clouds</p> <p>Manage and maintain a server virtualisation infrastructure - Manage dynamic optimisation and resource optimisation; integrate Operations Manager with System Center Virtual Machine Manager and System Center Service Manager; update virtual machine images in libraries; plan for and implement backup and recovery of virtualisation infrastructure by using System Center Data Protection Manager (DPM)</p>	

Topic	Details	Weights
<p>Design and implement identity and access solutions</p>	<p>Design a Certificate Services infrastructure</p> <ul style="list-style-type: none"> - Design a multi-tier Certificate Authority (CA) hierarchy with offline root CA; plan for multi-forest CA deployment; plan for Certificate Enrolment Web Services and Certificate Enrolment Policy Web Services; plan for Network Device Enrolment Services (NDES); plan for certificate validation and revocation; plan for disaster recovery; plan for trust between organisations including Certificate Trust Lists (CTL), cross certifications and bridge CAs <p>Implement and manage a Certificate Services infrastructure</p> <ul style="list-style-type: none"> - Configure and manage offline root CA; configure and manage Certificate Enrollment Web Services and Certificate Enrollment Policy Web Services; configure and manage Network Device Enrollment Services; configure Online Certificates Status Protocol (OCSP) responders; migrate CA; implement administrator role separation; implement and manage trust between organisations including Certificate Trust Lists (CTL), cross certifications and bridge CAs; monitor CA health <p>Implement and manage certificates</p> <ul style="list-style-type: none"> - Manage certificate templates; implement and manage certificate deployment, validation, renewal, revocation and publishing including Internet-based clients, CAs and network devices; configure and manage key archival and recovery <p>Design and implement a federated identity solution</p> <ul style="list-style-type: none"> - Plan for and implement claims-based authentication including planning and implementing Relying Party Trusts; plan for and configure Claims Provider and Relying Party Trust claim rules; plan for and configure attribute stores including Active Directory Lightweight Directory Services (AD LDS); plan for and manage Active Directory Federation Services (AD FS) certificates; plan for and implement Identity Integration with cloud 	<p>20-25%</p>

Topic	Details	Weights
	<p>services; integrate Web Application Proxy with AD FS</p> <p>Design and implement Active Directory Rights Management Services (AD RMS) - Plan for highly available AD RMS deployment; plan for AD RMS client deployment; manage Trusted User Domains; manage Trusted Publishing Domains; manage Federated Identity support; upgrade or migrate AD RMS; decommission AD RMS</p>	

70-414 Sample Questions:

01. Which type of DHCP failover mode is considered active/passive?

- a) Standby
- b) Load Balance
- c) Passive Partner
- d) Split Address

02. Supporting a Windows Server 2003 AD FS implementation requires which of the following?

- a) AD FS 1.0 or 1.1 support
- b) AD FS claims provider trust rule
- c) AD FS 2003 support
- d) AD FS down-level usage support

03. When configuring an offline root CA, the request policy should be:

- a) Accept All
- b) Subordinate Enterprise CA
- c) Pending
- d) Designated

04. The online responder implements which protocol?

- a) Certificate Revocation Protocol
- b) Certificate Status Protocol
- c) Security Certificate Enrollment Protocol
- d) Online Certificate Status Protocol

05. Which of the following is an available template for configuring an authorization rule?

- a) Permit All Users
- b) Deny Computer
- c) Transform User
- d) Permit Claims

06. During which phase of host storage provisioning do you apply ratings to discovered storage?

- a) Classify
- b) Discover
- c) Provision
- d) Allocate

07. Which period defines the amount of time that a CRL can be used?

- a) Publishing interval
- b) Validation
- c) Validity
- d) Revocation interval

08. To which setting should the KeyUsage parameter be set for an NDES request?

- a) Digital Signature (0x80)
- b) Key Change (0xF1)
- c) Key Archival (0x5150)
- d) Encrypt-Change (0x2a)

09. Simultaneous live migrations are configured in which area of VMM?

- a) Per host
- b) Per virtual machine
- c) Per SAN
- d) For each virtual machine template

10. Which type of generic clustering enables you to choose registry keys to be replicated during the cluster role configuration?

- a) Generic Application
- b) Generic Script
- c) Generic Service
- d) Generic Registry Application

Answers to 70-414 Exam Questions:

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

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@edusum.com