

MCTS: Microsoft Exchange Server 2010

Course Description and Overview

Overview

SecureNinja's Exchange Server 2010 training and certification boot camp in Washington, DC will provide you the knowledge necessary to guard your organization's messaging with built-in protective technologies; offers anywhere access to e-mail, voice mail, calendars, and contacts; and enables new levels of operational efficiency. Help develop your expertise in this advanced messaging system with state-of-the-art training from Exchange Server 2010 product specialists.

The typical candidate is a Messaging Generalist responsible for the maintenance and administration of the Exchange servers in an enterprise environment. Day to day, the candidate typically installs and manages Exchange Server 2010 and manages users, mailboxes, security, servers, and databases by using Exchange Server 2010. The candidate might also monitor and troubleshoot Exchange Server 2010.

Topics Covered

This exam measures your ability to accomplish the technical tasks listed below. The percentages indicate the relative weight of each major topic area on the exam.

Installing and Configuring Exchange Servers (15 percent)

- * Prepare the infrastructure for Exchange.

- o This objective may include but is not limited to: prepare schema; prepare domain; prepare Active Directory; ensure the domain functionality level is correct; domain controller service packs; Exchange readiness check; coexistence; migration from 2003 or 2007; disable LinkState; Exchange Server Service Pack level; remove unsupported legacy components; configuring DNS to support the Exchange deployment

- * Install Exchange prerequisites.

- o This objective may include but is not limited to: install MMC 3.0, Windows PowerShell 2.0; Microsoft .NET 3.5, WinRM 2.0, IIS, Windows roles and features, use ServerManagerCMD, use Exchange prerequisite scripts

- * Install Exchange roles.

- o This objective may include but is not limited to: from the command line and the GUI; adding and modifying roles; add server roles to existing Exchange 2003 or 2007 organizations; verify Exchange installation; Security Configuration wizard (SCW); Windows Firewall, including port requirements; installing Exchange Server using standard and custom installation; installing Exchange Server using the command line; provisioning an Exchange Server and delegating server installation; troubleshooting a failed installation; adding Exchange Server roles after an initial installation

- * Create and configure databases.

- o This objective may include but is not limited to: set database limits; set retention limits; set role-based access control (RBAC) permissions for database creation; naming conventions; create and use GUI and Windows PowerShell; create and manage public folder databases; set default public folder database; maintenance; mount and dismount databases; create new mailbox databases; configure mailbox database settings; move the mailbox database and transaction log locations; configure public folder database settings; mount and dismount databases

- * Create and configure address lists.

- o This objective may include but is not limited to: update legacy address lists; configure offline address lists; publish address lists; filterable properties; creating and configuring e-mail address policies; creating and configuring address lists; creating and configuring offline address books

Configuring Exchange Recipients and Public Folders (14 percent)

- * Create and configure mailboxes.

- o This objective may include but is not limited to: deleted items; deleted mailbox; mailbox quota; message size; warning thresholds; move from and to previous Exchange versions; online and offline moves; Intra-orgs and cross-orgs; create proxy addresses; create mailboxes; configure client access protocols; configure spam confidence level (SCL) and phishing confidence level (PCL); send as permissions; delegation; forwarding; mailbox permissions; create and configure linked mailboxes

- * Configure RBAC.

- o This objective may include but is not limited to: create and assign RBAC roles; define RBAC scopes; configure RBAC for specific roles, such as help desk and address list administrator

- * Create and configure resource mailboxes and shared mailboxes.

- o This objective may include but is not limited to: equipment; room; permissions; set mailbox calendaring options; autoaccept; custom resource types

- * Create and configure recipients and distribution groups.

- o This objective may include but is not limited to: create and modify; security enabled; configure moderation, including Exchange Control Panel (ECP) options; dynamic distribution groups; create proxy addresses; configure mail-enabled users; contacts; send as permissions; forwarding

- * Create and configure public folders.

- o This objective may include but is not limited to: mail-enabled public folders; configure public folder permissions; deleted items; message size; item age; public folder

size; create public folders in Enterprise Content Management (EMC) and Microsoft Outlook, and OWA; configure public folder permissions; configure public folder limits

Configuring Client Access (15 percent)

* Configure POP, IMAP, and Microsoft ActiveSync.

o This objective may include but is not limited to: enable, configure, and secure POP and IMAP; manage certificates; configure mobile device policies; autodiscover; authentication; configure the Exchange ActiveSync virtual directory; configure the external name for Exchange ActiveSync; configure client access settings for Exchange ActiveSync, including Windows SharePoint Services and Windows File Share integration; Direct Push; configure Exchange ActiveSync mailbox policies; configure autodiscover for Exchange ActiveSync

* Configure Outlook Anywhere and RPC Client Access.

o This objective may include but is not limited to: autodiscover; MAPI; create client access arrays; certificates; subject alternative name (SAN); configure virtual directories; enable and configure Outlook Anywhere on the CAS; troubleshoot Outlook Anywhere connectivity

* Configure federated sharing.

o This objective may include but is not limited to: certificates; enrollment; DNS; calendar and free/busy; subject alternative name (SAN); assign policies; create and configure a federated trust; create and configure a federated organization identifier; create and configure a sharing relationship; create and configure a sharing policy; assign sharing policies to user accounts

* Configure Outlook Web App (OWA).

o This objective may include but is not limited to: customize the OWA interface; certificates; file share and SharePoint access; public folders; verify multi-browser support; ECP; SAN; configure virtual directories; coexistence scenarios; authentication; configure the external name for OWA; configure client access settings for OWA, including Windows SharePoint Services and Windows File Share integration; segmentation settings; configure OWA mailbox policies

Configuring Message Transport (15 percent)

* Create and configure transport rules.

o This objective may include but is not limited to: enable and configure; disclaimers; moderated transport; install the Windows Rights Management Services (RMS) pre-licensing agent; configure rights protection by using transport rules

* Configure hub transport.

o This objective may include but is not limited to: configure transport dumpster;

accepted domains; remote domains; authoritative domains; e-mail address policies

- * Configure Edge transport.

- o This objective may include but is not limited to: create, configure, and test Edge Sync; configure Edge Transport server cloning; install the Edge Transport server role; configure Edge Transport server settings; configure Edge synchronization

- * Configure message routing.

- o This objective may include but is not limited to: internal and external DNS; configure routing based on sites and costs; enable, configure, and secure send and receive connectors; certificates; relay connectors; authentication; message size limits; MTLs; routing group connector for coexistence; configure accepted and remote domains; configure SMTP send and receive connectors; configure message delivery limits; configure TLS security for message delivery

Monitoring and Reporting (13 percent)

- * Monitor databases.

- o This objective may include but is not limited to: public folder statistics; mailbox databases statistics; database status; DAG replication

- * Monitor mail flow.

- o This objective may include but is not limited to: perform message tracking; DNS; manage message queues; view, retry, and delete; backpressure thresholds; resolve NDRs

- * Monitor connectivity.

- o This objective may include but is not limited to: SMTP client to server; SMTP server to server; Outlook RPC/MAPI; Outlook Anywhere; Outlook Exchange Web Services (EWS); POP; IMAP; ActiveSync

- * Generate reports.

- o This objective may include but is not limited to: mailbox folder statistics; mailbox statistics; mailflow statistics; formatted list and formatted table; ExBPA

- * Configure logging.

- o This objective may include but is not limited to: protocol logging; store logging; configure logging levels; agent logs; message tracking logs; event logs; analysis of logging results

Implementing High Availability and Recovery (15 percent)

- * Create and configure the Database Availability Group (DAG).

o This objective may include but is not limited to: create and configure DAG; file share witness (FSW); replication latency; configure lag; add or remove database copies; configure failover priority; add or remove server members; configure mailbox database copies; manage continuous replication

* Perform backup and restore of data.

o This objective may include but is not limited to: recovery database; dialtone restores; deleted mailbox retention; deleted item retention; mailbox merge; disconnected mailbox; backing up Exchange servers; creating a backup schedule

* Configure public folders for high availability.

o This objective may include but is not limited to: add or remove replicas; schedules; message tracking; back up and restore public folder database and data

* Configure high availability for non-mailbox servers.

o This objective may include but is not limited to: affinity; DNS round robin; MX records; NLB; configuring high availability for Client Access servers; configuring high availability for Hub Transport servers; configuring high availability for Edge Transport servers

* Back up and recover server roles.

o This objective may include but is not limited to: hub; CAS IIS; Edge; Edge server clone configuration; setup /recoverserver; setup /recoverCMS; mailbox server; restoring Exchange Servers after server failure; configuring messaging services during a server failure; back up Server roles

Configuring Message Compliance and Security (13 percent)

* Configure records management.

o This objective may include but is not limited to: custom and default managed folders; retention policy; configure and apply retention policies and retention policy tags; configure managed folders, including default and custom managed folders; configure content settings; configure managed folder mailbox policies

* Configure compliance.

o This objective may include but is not limited to: configure RMS; configure alternate mailboxes; configure journaling; enable message classification; configure mail tips; auditing; transport rules

* Configure message integrity.

o This objective may include but is not limited to: S/MIME; MTLS; certificates; RMS

federation; transport rules

* Configure anti-virus and anti-spam.

o This objective may include but is not limited to: file and process exclusions; transport rules; SCL; PCL; sender ID; safe sender/block sender; Realtime Block List (RBL); Sender Policy Framework (SPF) records; sender reputation list (SRL); configuring anti-spam agents; managing the quarantine mailbox; managing updates for content filters

Pre-requisites

The qualified candidate for Exam 70-662 TS: Exchange Server 2010, Configuring, typically:

- Installs and manages Microsoft Exchange Server 2010
- Manages messaging security by using Exchange Server 2010
- Recovers messaging servers and databases by using Exchange Server 2010
- Monitors and troubleshoots Exchange Server 2010

Required Exams

MCTS: Exchange Server 2010, Configuring 70-662

Credit Toward Certification

When you pass Exam 70-662: TS: Microsoft Exchange Server 2010, Configuring, you complete the requirements for the following certification(s):

Microsoft Certified Technology Specialist (MCTS): Microsoft Exchange Server 2010, Configuration

Exam 70-662: TS: Microsoft Exchange Server 2010, Configuring: counts as credit toward the following certification(s):

Microsoft Certified IT Professional (MCITP): Enterprise Messaging Administrator 2010