

341

Core Solutions of Microsoft Exchange Server 2013

Exam Design

Audience Profile

Candidates for this exam are senior administrators who act as the technical lead over a team of administrators. Candidates serve as a third level of support between the Exchange Recipient Administrator and the Exchange Server Administrator.

Candidates should have a minimum of three years of experience managing Exchange servers and Exchange messaging in an enterprise environment.

Skills measured

Note: This document shows tracked changes to objectives and functional groupings. These changes are effective as of November 10, 2017.

Install, Configure, and Manage the Mailbox Role (20-25%)

Plan the mailbox role

Plan for database size and storage performance requirements; plan for virtualization requirements and scenarios; plan mailbox role capacity and placement; design public folder placement strategy; validate storage by running JetStress

Configure and manage the mailbox role

Create and configure Offline Address Book (OAB); create and configure public folders; deploy mailbox server roles; design and create hierarchical address lists

Deploy and manage high availability solutions for the mailbox role

Create and configure a Database Availability Group (DAG); identify failure domains; manage DAG networks; configure proper placement of a file share witness; manage mailbox database copies; [Configure AutoReSeed for DAG](#)

Monitor and troubleshoot the mailbox role

Troubleshoot database replication and replay; troubleshoot database copy activation; troubleshoot mailbox role performance; troubleshoot database failures; monitor database

replication and content indexing

Develop backup and recovery solutions for the mailbox role and public folders

Manage lagged copies; determine most appropriate backup solution/strategy; perform a dial tone restore; perform item-level recovery; recover the public folder hierarchy; recover a mailbox server role

Create and configure mail-enabled objects

Configure resource mailboxes and scheduling; configure team mailboxes; configure distribution lists; configure moderation; configure a linked mailbox

Manage mail-enabled object permissions

Configure mailbox folder permissions; configure mailbox permissions; set up room mailbox delegates; set up team mailbox membership; set up auto-mapping; determine when to use Send As and Send On Behalf permissions

Plan, Install, Configure, and Manage Client Access (20-25%)

Plan, deploy, and manage a Client Access Server (CAS)

Design to account for differences between legacy CAS and Exchange 2013 CAS; configure Office Online application integration; plan for Outlook Anywhere; configure address book policies; plan to implement Kerberos authentication; plan for Outlook MAPI over HTTP

Plan and configure namespaces and client services

Design namespaces for client connectivity; configure URLs; plan for certificates; configure authentication methods; implement auto-discover for a given namespace; [Implement Integration with SFB/Lync](#)

Deploy and manage mobility solutions

Deploy [Outlook on the web](#) for devices; [Deploy Outlook for Mobile Devices](#); configure [Outlook on the web](#) policies; configure Microsoft ActiveSync policies; configure Allow Block Quarantine (ABQ); deploy and manage Office Apps

Implement load balancing

Configure namespace load balancing; configure Session Initiation Protocol (SIP) load balancing; plan for differences between layer seven and layer four load balancing methods; configure Windows Network Load Balancing (WNLB)

Troubleshoot client connectivity

Troubleshoot Outlook Anywhere connectivity; Troubleshoot Outlook MAPI over HTTP connectivity; troubleshoot POP/IMAP; troubleshoot authentication; troubleshoot web

services; troubleshoot AutoDiscover; troubleshoot mobile devices; [troubleshoot Mobile Apps](#)

Plan, Install, Configure, and Manage Transport (20-25%)

Plan a high availability solution for common scenarios

Set up redundancy for intra-site scenarios: plan for Safety Net; plan for shadow redundancy; plan for redundant MX records

Design a transport solution

Design inter-site mail flow; design inter-org mail flow; plan for Domain Secure/TLS; design Edge transport; design message hygiene solutions; design shared namespace scenarios

Configure and manage transport

Configure Edge servers; configure Send/Receive connectors; configure transport rules; configure accepted domains; configure email policies; configure Address Rewriting

Troubleshoot and monitor transport

Interpret message tracking logs and protocol logs; troubleshoot a shared namespace environment; troubleshoot SMTP mail flow; given a failure scenario, predict mail flow and identify how to recover; troubleshoot Domain Secure/TLS; troubleshoot the new transport architecture

Configure and manage hygiene

Manage content filtering; manage recipient filtering; manage SenderID; manage connection filtering; manage Spam Confidence Level (SCL) thresholds; manage anti-malware

Design and Manage an Exchange Infrastructure (20-25%)

Plan for impact of Exchange on Active Directory Domain services

Plan the number of domain controllers; plan placement of Global Catalog (GC); determine DNS changes required for Exchange; prepare domains for Exchange; evaluate impact of schema changes required for Exchange; plan around Active Directory site topology

Administer Exchange Workload Management

Monitor system workload events; monitor user workload events; manage workload throttling settings

Plan and manage Role Based Access Control (RBAC)

Determine appropriate RBAC roles and cmdlets; limit administration using existing role groups; evaluate differences between RBAC and Active Directory split permissions; configure a custom-scoped role group; configure delegated setup

Design an appropriate Exchange solution for a given SLA

Plan for updates; plan for change management; design a virtualization solution; design a solution that meets SLA requirements around scheduled downtime; design a solution that meets SLA requirements around RPO/RTO; design a solution that meets SLA requirements around message delivery