Core Solutions of Microsoft Exchange Server 2013 (341)

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ISO 9001 2015 CERTIFIED ISO 9001:2015 Certified Quality Management System

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Install, Configure, and Manage the Mailbox Role

Plan the mailbox role

- Plan for database size and storage performance requirements; plan for virtualisation 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

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

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

Plan for impact of Exchange on Active Directory Domain services

- Plan the number of domain controllers; plan placement of Global Catalogue (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 virtualisation 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

Thank You

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