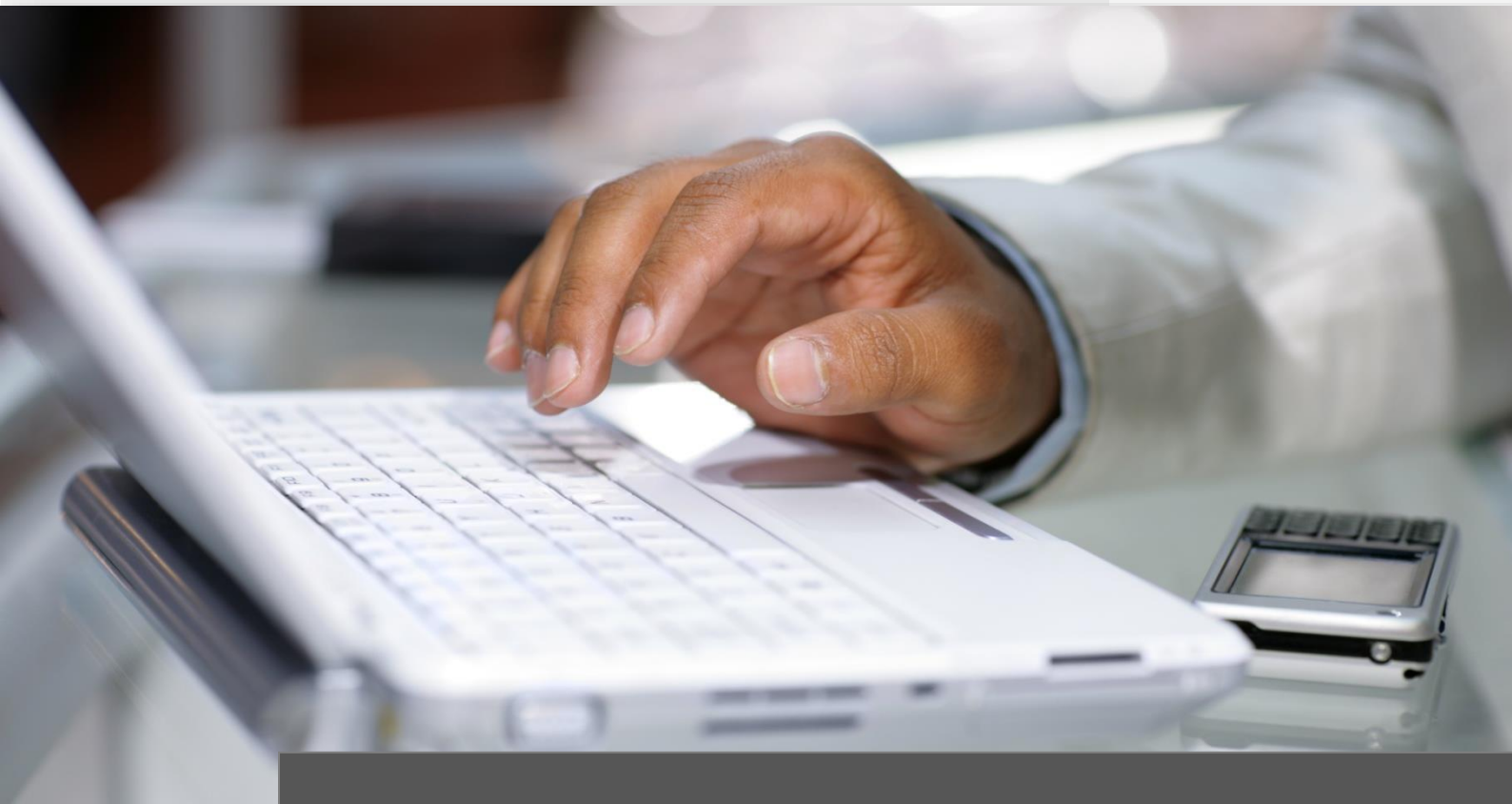


Designing and Deploying Microsoft Exchange Server 2016

Online-Training | Examen 345



Ausbildungsinhalte

Designing and Deploying Microsoft Exchange Server 2016

Das Examen 345 ist eins von ca. zehn Wahlexamen, mit deren bestehen Sie als MCSA Office 365 oder MCSA Server 2012 den Titel *Microsoft Certified Solutions Expert (MCSE) Productivity* erlangen.

Ausbildungspfad | Microsoft Certified Solutions Expert (MCSE) Productivity

Mit der Zertifizierung *Microsoft Certified Solutions Expert (MCSE) Productivity* führen Sie den Nachweis der nötigen Kenntnisse, um ein Unternehmen in die Cloud bringen, die Userproduktivität und -flexibilität erhöhen, Datenverluste reduzieren und die Datensicherheit verbessern zu können.

Die Zertifizierung *MCSE Productivity* muss jährlich mit dem Abschluss eines zusätzlichen Wahlexamens bestätigt werden.

Online-Training	Dauer	Examen
Designing and Deploying Microsoft Exchange Server 2016	14 UE	345

Sie erlernen Kenntnisse für Design und Implementierung einer Exchange-Server-2016-Messagingumgebung. Zudem erlernen Sie erweiterte Komponenten in Exchange Server 2016 wie Sicherheit, Compliance, Archivierung und Discoverylösungen zu designen und zu konfigurieren. Weitere wichtige Themen sind die Koexistenz mit anderen Exchange-Organisationen oder Exchange Online sowie die Migration von früheren Exchange-Server-Versionen. Es werden Richtlinien, Best Practices und Überlegungen vorgestellt, die den Teilnehmern dabei helfen, ihre Exchange-Server-Bereitstellung zu optimieren.

Unterrichtseinheit	UE 01	345
<p>New features in Exchange Server 2016</p> <ul style="list-style-type: none"> ✓ Architecture of server roles in Exchange Server 2016 ✓ What is new in Exchange Server 2016 for Exchange 2013 administrators ✓ What is new in Exchange Server 2016 for Exchange 2010 administrators ✓ Discontinued and de-emphasized features in Exchange Server 2016 <p>Gathering business requirements for an Exchange Server 2016 deployment</p> <ul style="list-style-type: none"> ✓ What are business requirements? ✓ What are functional requirements? ✓ Defining service level agreements ✓ Identifying project constraints ✓ Defining technology requirements ✓ Identifying IT requirements ✓ Identifying security requirements ✓ Identifying user requirements 	<p>Planning for an Exchange Server 2016 deployment</p> <ul style="list-style-type: none"> ✓ Identifying network and Active Directory requirements ✓ Active Directory infrastructure design options for an Exchange Server 2016 Deployment ✓ Preparing AD DS for an Exchange Server 2016 deployment 	

Unterrichtseinheit	UE 02	345
<p>Planning for an Exchange Server 2016 deployment</p> <ul style="list-style-type: none"> ✓ Preparing AD DS for an Exchange Server 2016 deployment ✓ Designing a DNS infrastructure for Exchange Server 2016 deployment ✓ Deployment options for Exchange Server 2016 ✓ Planning Exchange Server 2016 roles and their placement 	<p>Designing a UM deployment</p> <ul style="list-style-type: none"> ✓ What is UM? ✓ How does UM work? ✓ Planning a UM deployment ✓ Requirements to implement UM ✓ Configuring UM 	

Unterrichtseinheit	UE 03	345
<p>Planning Exchange Server hardware requirements</p> <ul style="list-style-type: none"> ✓ Overview of database concepts and architecture ✓ Database log considerations ✓ Storage options for mailbox databases ✓ Planning for storage architecture ✓ Planning file system requirements ✓ Designing mailbox sizing ✓ Designing mailbox database configuration ✓ Designing processor and memory requirements ✓ Designing Exchange Servers for high availability <p>Planning Exchange Server for virtualization and Azure integration</p> <ul style="list-style-type: none"> ✓ Hypervisor requirements for virtualizing Exchange Server ✓ Virtual machine requirements for Exchange Server ✓ Designing a virtualized mailbox server deployment ✓ High-availability considerations ✓ Planning an Azure integration for Exchange 	<p>Planning and implementing public folders</p> <ul style="list-style-type: none"> ✓ Overview of public folders in Exchange Server 2016 ✓ Planning the public folder hierarchy ✓ Planning public folder mailboxes ✓ Deploying public folder mailboxes ✓ Designing public folder permissions ✓ Alternatives to public folders 	

Unterrichtseinheit	UE 04	345
<p>Designing message routing</p> <ul style="list-style-type: none"> ✓ Message transport components in Exchange Server 2016 ✓ Default message-routing configuration in Exchange Server 2016 ✓ Transport high availability in Exchange Server 2016 ✓ Modifying the default message-routing topology ✓ Designing message routing to mitigate the effects of message-routing failure <p>Designing transport services</p> <ul style="list-style-type: none"> ✓ Planning your transport services 		

Unterrichtseinheit	UE 05	345
<p>Designing transport services</p> <ul style="list-style-type: none"> ✓ Planning your transport services ✓ Reviewing mail flow settings ✓ Designing accepted domains and remote domains ✓ Planning for SMTP relay ✓ Designing message throttling, back pressure, and size limits ✓ Planning transport rules ✓ Troubleshooting SMTP message delivery ✓ Using message-tracking and protocol logs 	<p>Designing the message-routing perimeter</p> <ul style="list-style-type: none"> ✓ Default configurations for Edge Transport servers ✓ Planning hardware and placements for your Edge Transport servers ✓ Designing Edge subscriptions ✓ Designing outbound mail flow 	

Unterrichtseinheit	UE 06	345
<p>Designing the message-routing perimeter</p> <ul style="list-style-type: none"> ✓ Designing inbound message flow ✓ Designing message routing to the perimeter ✓ Planning address rewriting <p>Designing and implementing transport compliance</p> <ul style="list-style-type: none"> ✓ Options for implementing transport compliance ✓ Planning transport rules for compliance ✓ Understanding message classification ✓ Planning message classification ✓ Planning for message moderation ✓ Planning for message journaling 	<p>Planning Exchange Server 2016 clients</p> <ul style="list-style-type: none"> ✓ Planning clients ✓ Connection types to Exchange 2016 ✓ What is Autodiscover? ✓ Configuring and managing Autodiscover ✓ Planning Autodiscover for multiple locations 	

Unterrichtseinheit	UE 07	345
Planning for client access <ul style="list-style-type: none"> ✓ What is the client access functionality? ✓ Planning server deployment for client access ✓ Connecting Outlook clients to mailboxes ✓ How does client access work with multiple sites? ✓ Planning namespaces for client access ✓ Security options for client access services 	Planning and implementing Microsoft Office Online Server <ul style="list-style-type: none"> ✓ What is Office Online Server? ✓ How Exchange Server 2016 works with Office Online Server ✓ Planning Office Online Server deployment for Exchange Server ✓ Requirements for installing Office Online Server ✓ Deploying Office Online Server and configuring Exchange to access Office Online Server ✓ Deploying and testing Office Online Server for Exchange 2016 	

Unterrichtseinheit	UE 08	345
Planning and implementing coexistence of SharePoint 2016 with Exchange <ul style="list-style-type: none"> ✓ What is SharePoint 2016? ✓ What is SharePoint Online? ✓ Exchange Server integration with SharePoint 2016 ✓ What is eDiscovery Center? ✓ What are modern attachments? ✓ Process to implement on-premises modern attachments ✓ Process to implement online modern attachments 	Designing external client access <ul style="list-style-type: none"> ✓ Planning and configuring client access for multiple locations ✓ Publishing Exchange client access services ✓ Planning firewall configuration ✓ Planning reverse proxy configuration ✓ Configuring Web Application Proxy 	

Unterrichtseinheit	UE 09	345
Planning high availability for Exchange Server 2016 <ul style="list-style-type: none"> ✓ Components of high availability ✓ High availability in Exchange Server 2016 ✓ Transport high availability ✓ Improvements to high availability in Exchange Server 2016 ✓ How DAGs provide high availability ✓ What are lagged mailbox database copies? ✓ When to use lagged mailbox database copies? ✓ Recovering data from a lagged mailbox database copy ✓ Planning and deploying AutoReseed 	Planning for load balancing <ul style="list-style-type: none"> ✓ Overview of NLB ✓ Benefits of a load balancer ✓ Load balancer vs. DNS round robin ✓ Layer 4 vs. Layer 7 load balancing ✓ Best practices for configuring a load balancer for Exchange 	

Unterrichtseinheit	UE 10	345
Lab Module 4: Planning and deploying client access Module 5: Designing and implementing high availability Lesson 3: Planning for site resilience <ul style="list-style-type: none"> ✓ What is site resilience? ✓ Site resilience in Exchange Server 2016 ✓ Quorum options for site resilience 		

Unterrichtseinheit	UE 11	345
Using Managed Availability to improve high availability <ul style="list-style-type: none"> ✓ What is Managed Availability? ✓ Components of Managed Availability ✓ Overview of Health Sets and Health Groups ✓ Managed Availability event logging ✓ Viewing Managed Availability configuration in Event Log ✓ How to modify default Managed Availability settings ✓ Troubleshooting Managed Availability 	Implementing DSC <ul style="list-style-type: none"> ✓ What is DSC? ✓ DSC in Exchange Server 2016 ✓ When to use DSC vs. Exchange Management Shell scripts ✓ Using DSC to configure and maintain Exchange Server 2016 	

Unterrichtseinheit		UE 12	345
Lab 7: Designing messaging security Planning messaging security <ul style="list-style-type: none"> ✓ Defining message security requirements ✓ SMTP gateway solution ✓ Planning restrictions to message flow ✓ Methods for securing SMTP ✓ Planning secure message routing between partner organizations ✓ Planning client-based messaging security ✓ Office 365 message encryption ✓ Planning to use EOP for on-premises Exchange 	Designing and implementing AD RMS and Azure RMS integration <ul style="list-style-type: none"> ✓ What are AD RMS and Azure RMS? ✓ How AD RMS works ✓ Planning to use Azure RMS for an on-premises environment ✓ How to configure Azure RMS for on-premises 		

Unterrichtseinheit		UE 13	345
Designing and implementing AD RMS and Azure RMS integration <ul style="list-style-type: none"> ✓ How to configure Azure RMS for on-premises ✓ Options for integrating IRM features in AD RMS with Exchange Server 2016 ✓ Planning AD RMS integration ✓ Configuring transport and journal report decryption ✓ Implementing and managing AD RMS integration ✓ Planning AD RMS integration for external users 	Overview of messaging records management and archiving <ul style="list-style-type: none"> ✓ What is archiving? ✓ What is messaging records management? ✓ Additional options for implementing MRM and archiving ✓ Why might you want to use archiving and MRM? 		

Unterrichtseinheit		UE 14	345
Designing and implementing message retention <ul style="list-style-type: none"> ✓ MRM in Exchange Server 2016 ✓ Retention tags ✓ Designing and managing tags ✓ Managing retention by using policies ✓ Using archive policies ✓ MRM process in Exchange Server 2016 ✓ Using MRM in Outlook on the web 	Designing and implementing data loss prevention <ul style="list-style-type: none"> ✓ Overview of data loss prevention ✓ How data loss prevention works ✓ What are DLP policies? ✓ Applying DLP policies ✓ Creating a data loss prevention policy from a template ✓ Configuring Policy Tips ✓ Implementing Document Fingerprinting ✓ Configuring Document Fingerprinting ✓ Planning to implement DLP policies 		

Unterrichtseinheit		UE 15	345
Designing and implementing In-Place Hold <ul style="list-style-type: none"> ✓ Overview of data preservation scenarios ✓ What is In-Place Hold? ✓ Options for implementing In-Place Holds ✓ Configuring In-Place Hold ✓ Considerations for planning an In-Place Hold Designing and implementing In-Place eDiscovery <ul style="list-style-type: none"> ✓ Overview of In-Place eDiscovery scenarios ✓ How In-Place eDiscovery works ✓ Configuring In-Place eDiscovery ✓ Considerations for planning eDiscovery 	Designing and implementing federation <ul style="list-style-type: none"> ✓ Scenarios for integrating with other Exchange Server organizations ✓ What is federation? ✓ Federation deployment components ✓ Designing federated trusts and certificates ✓ Configuring organization relationships ✓ Designing sharing policies Designing coexistence between Exchange Server organizations <ul style="list-style-type: none"> ✓ Multiforest Exchange Server 2016 deployments ✓ Designing message routing ✓ Designing GAL synchronization ✓ Designing calendar interoperability ✓ Designing administration between Exchange organizations ✓ Experience with configuring coexistence 		

Weitere wichtige Informationen

Optimale Prüfungsvorbereitung

Für die optimale Vorbereitung auf das Microsoft-Examen, empfehlen wir die IT-Prüfungsvorbereitungs-Plattform CertBase, die Sie unter www.CertBase.de aufrufen können. In diesem Portal werden Fragen bereitgestellt, die den Original Microsoft Prüfungen gleichen und mit deren Hilfe Sie Ihre Chancen auf ein erfolgreiches Bestehen der gewünschten Prüfung deutlich steigern.



Microsoft Test- und Demoumgebungen

Unter der Adresse www.mycontoso.de finden Sie eine Auswahl an Werkzeugen zur Demonstration aktueller Microsoft-Produkte und Services. Diese vorkonfigurierten Demoumgebungen aus der Microsoft Demonstration Plattform eignen sich auch sehr gut für administrative Übungszwecke.

Sie haben Fragen oder Anregungen?

Falls Sie Fragen, Wünsche oder Anregungen zu dieser oder zu anderen Ausbildungen haben, stehen wir Ihnen montags bis donnerstags in der Zeit von 08:00 – 17:00 Uhr und freitags von 08:00 – 15:00 Uhr sehr gerne zur Verfügung.

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