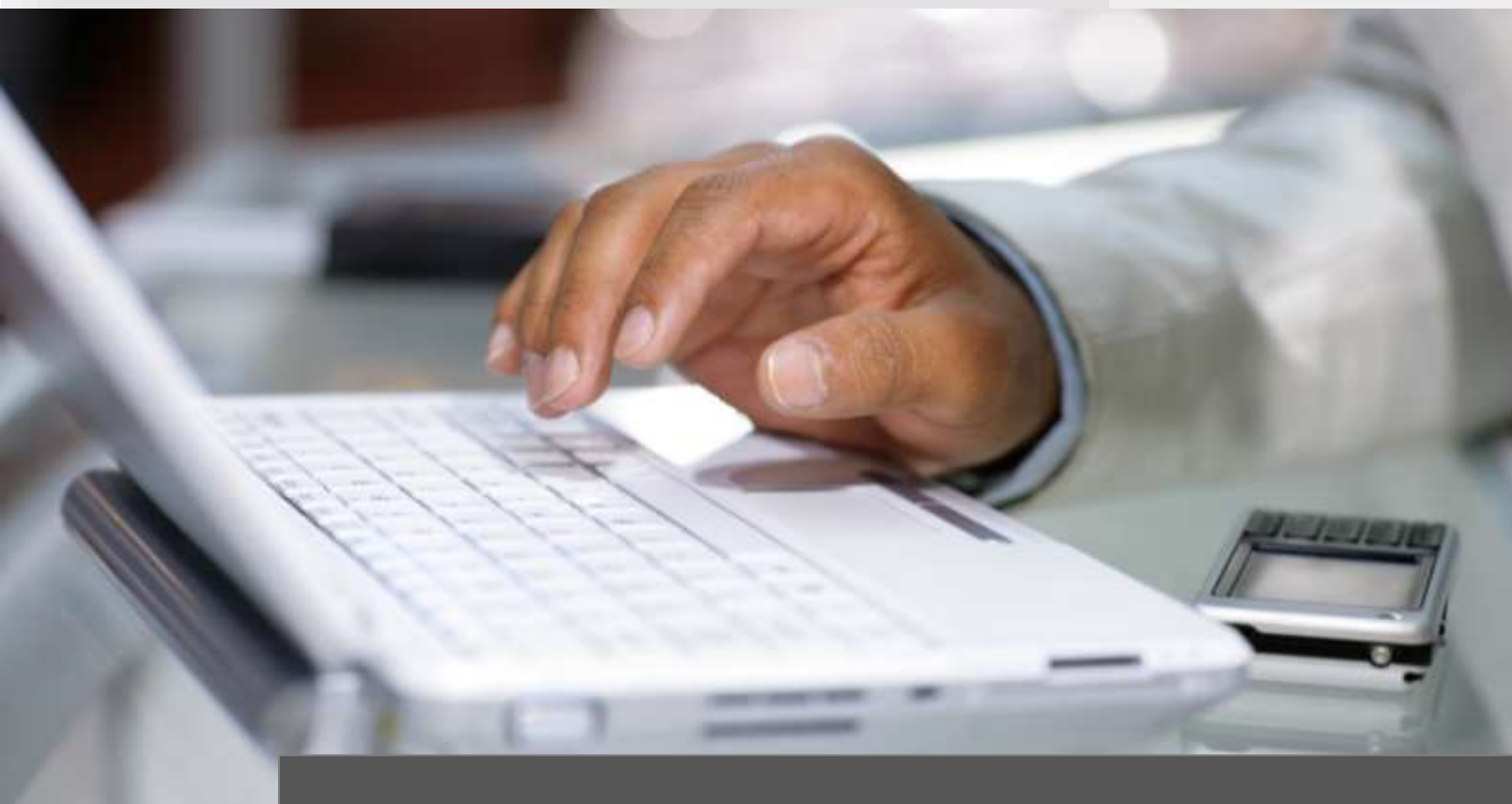


# Administering Microsoft Exchange Server 2016

Online-Training | Examen 345



Ausbildungsinhalte

# Technische Trainings | Microsoft

## Administering 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
Administering Microsoft Exchange Server 2016	17 UE	345

Sie erlernen Exchange Server 2016 zu installieren und Exchange-Server-Umgebung zu konfigurieren und zu verwalten. Verwaltung von Mailempfängern und öffentlichen Ordnern einschließlich der Exchange Management Shell, Clientkonnektivität, Nachrichtentransport und -hygiene, hochverfügbare Exchange-Server-Bereitstellung sowie Backup und Disaster Recovery, sind weitere Themen. Außerdem erlernen Sie, eine Exchange-Server-Bereitstellung zu warten und zu überwachen und Exchange Online in einer Office-365-Bereitstellung zu administrieren.

Unterrichtseinheit	UE 01	345
Overview of Exchange Server 2016 <ul style="list-style-type: none"> <li>✓ Role architecture in Exchange Server 2016</li> <li>✓ What's new in Exchange 2016 for Exchange 2013 administrators</li> <li>✓ Discontinued and deemphasized features in Exchange Server 2016</li> <li>✓ On-Premises Exchange Server vs. Exchange Online</li> </ul>	Requirements and deployment options for Exchange Server 2016 <ul style="list-style-type: none"> <li>✓ AD DS and Exchange Server Integration</li> <li>✓ DNS server requirements for Exchange Server 2016</li> <li>✓ Software requirements for Exchange Server 2016</li> <li>✓ Hardware sizing for Exchange Server 2016</li> <li>✓ Infrastructure requirements for Exchange Server 2016</li> <li>✓ Preparing AD DS for Exchange Server 2016 installation</li> </ul>	

Unterrichtseinheit	UE 02	345
Requirements and deployment options for Exchange Server 2016 <ul style="list-style-type: none"> <li>✓ Virtualizing Exchange Server 2016 and Exchange Server in Azure</li> <li>✓ Exchange Server Setup Wizard</li> <li>✓ Exchange Server post-installation tasks</li> <li>✓ Deployment options for Exchange Server 2016</li> </ul> Overview of the Exchange 2016 Mailbox server <ul style="list-style-type: none"> <li>✓ The Mailbox server role in Exchange Server 2016</li> <li>✓ Interaction of the role services and components in Mailbox server</li> </ul>	Exchange Server 2016 management <ul style="list-style-type: none"> <li>✓ Management tools for Exchange Server 2016</li> <li>✓ Exchange admin center</li> <li>✓ Using the Exchange Server admin center</li> <li>✓ Windows PowerShell and the Exchange Management Shell</li> <li>✓ Examples of Exchange Management Shell</li> </ul>	

Unterrichtseinheit		UE 03	345
<p>Overview of the Exchange 2016 Mailbox server</p> <ul style="list-style-type: none"> <li>✓ The Mailbox server role in Exchange Server 2016</li> <li>✓ Interaction of the role services and components in Mailbox server</li> <li>✓ Mailbox databases in Exchange Server 2016</li> <li>✓ How mailbox databases are updated</li> <li>✓ Database log considerations</li> <li>✓ Storage options for the Exchange Server 2016 Mailbox server role</li> </ul>	<p>Configuring Mailbox servers</p> <ul style="list-style-type: none"> <li>✓ Initial Mailbox server configuration tasks</li> <li>✓ Configuring storage for Exchange Server 2016</li> <li>✓ Configuring iSCSI storage for the Mailbox server role</li> <li>✓ Creating and managing mailbox databases and logs</li> <li>✓ Creating and managing mailbox databases</li> </ul> <p>Exchange Server 2016 recipients Types of Exchange Server recipients</p>		

Unterrichtseinheit		UE 04	345
<p>Exchange Server 2016 recipients</p> <ul style="list-style-type: none"> <li>✓ What are resource mailboxes?</li> <li>✓ What are site mailboxes?</li> <li>✓ What are public folder mailboxes?</li> <li>✓ What are distribution groups?</li> <li>✓ What are linked mailboxes?</li> </ul>	<p>Managing Exchange Server recipients</p> <ul style="list-style-type: none"> <li>✓ Managing mailbox settings</li> <li>✓ Managing distribution groups</li> <li>✓ Managing resource mailboxes</li> <li>✓ What is a shared mailbox?</li> <li>✓ Managing mail contacts and mail users</li> <li>✓ Using Send As and Send On Behalf permissions</li> <li>✓ Managing public folder mailboxes</li> </ul>		

Unterrichtseinheit		UE 05	345
<p>Configuring address lists and policies</p> <ul style="list-style-type: none"> <li>✓ What are address lists?</li> <li>✓ Configuring address lists</li> <li>✓ Configuring offline address books</li> <li>✓ What are address book policies?</li> <li>✓ Configuring address book policies</li> <li>✓ What are email-address policies?</li> <li>✓ Configuring email address policies</li> </ul> <p>Overview of the Exchange Management Shell</p> <ul style="list-style-type: none"> <li>✓ Windows PowerShell ISE</li> <li>✓ Connecting to Exchange Server and Exchange Online by using Windows PowerShell</li> <li>✓ Overview of Exchange Management Shell recipient cmdlets</li> <li>✓ Options for formatting Windows PowerShell output</li> <li>✓ Using Windows PowerShell pipelining</li> <li>✓ Using Windows PowerShell variables and loops</li> <li>✓ Using filters in Windows PowerShell commands</li> </ul>	<p>Managing Exchange Server 2016 by using Exchange Management Shell</p> <ul style="list-style-type: none"> <li>✓ Overview of Exchange Management Shell server-configuration cmdlets</li> <li>✓ Configuring Exchange Server by using the Exchange Management Shell</li> <li>✓ Overview of Exchange Management Shell test cmdlets</li> <li>✓ Monitoring Exchange Servers by using Exchange Management Shell</li> </ul>		

Unterrichtseinheit		UE 06	345
<p>Managing Exchange Server 2016 by using Exchange Management Shell scripts</p> <ul style="list-style-type: none"> <li>✓ Creating Exchange Management Shell scripts</li> <li>✓ Managing Exchange recipients with Exchange Management Shell scripts</li> <li>✓ Using the installed Exchange management scripts</li> <li>✓ Using third-party Exchange Management Shell scripts</li> </ul> <p>Configuring client access services in Exchange Server 2016</p> <ul style="list-style-type: none"> <li>✓ How client access services work in Exchange Server 2016</li> <li>✓ Configuring client access services</li> <li>✓ Configuring and managing namespaces</li> <li>✓ Configuring certificates on Exchange Server</li> <li>✓ Managing certificatesConfiguring POP3 and IMAP4 client access</li> </ul>	<p>Managing client services</p> <ul style="list-style-type: none"> <li>✓ What is Autodiscover?</li> <li>✓ Configuring Autodiscover</li> <li>✓ What is the Availability service?</li> <li>✓ What are MailTips?</li> <li>✓ Configuring MailTips</li> </ul>		

Unterrichtseinheit	UE 07	345
Client connectivity and publishing of Exchange Server 2016 services <ul style="list-style-type: none"> <li>✓ Connecting internal Outlook clients to Exchange Server 2016</li> <li>✓ Connecting external Outlook clients to Exchange Server 2016</li> <li>✓ Connecting non-Outlook clients to Exchange Server 2016</li> <li>✓ What is Outlook on the web?</li> <li>✓ What is Exchange ActiveSync?</li> <li>✓ Outlook clients for mobile devices</li> <li>✓ Exchange Server security guidelines</li> </ul>	Configuring Outlook on the web <ul style="list-style-type: none"> <li>✓ Configuration options for Outlook on the web</li> <li>✓ Configuring options for Outlook on the web</li> <li>✓ Add-Ins for Outlook</li> <li>✓ Using add-ins for Outlook</li> <li>✓ What is Office Online Server integration?</li> <li>✓ Configuring Office Online Server integration</li> <li>✓ What is Outlook on the web offline access?</li> <li>✓ Using Outlook on the web offline access</li> </ul>	

Unterrichtseinheit	UE 08	345
Configuring mobile messaging on Exchange Server 2016 <ul style="list-style-type: none"> <li>✓ How Exchange ActiveSync works</li> <li>✓ Managing mobile devices by using Exchange ActiveSync policies</li> <li>✓ What is mobile device quarantine?</li> <li>✓ Managing mobile devices</li> <li>✓ Managing access for mobile devices</li> <li>✓ Alternatives for mobile device management</li> </ul>	High availability in Exchange Server 2016 <ul style="list-style-type: none"> <li>✓ Components of high availability</li> <li>✓ What is a DAG?</li> <li>✓ Understanding how a DAG works</li> <li>✓ Understanding how high availability works for Client Access services</li> <li>✓ Understanding how transport high availability works</li> <li>✓ Using multiple mail exchange records for high availability</li> <li>✓ What is site resilience?</li> </ul>	

Unterrichtseinheit	UE 09	345
Configuring highly available mailbox databases <ul style="list-style-type: none"> <li>✓ Database management in a DAG</li> <li>✓ Configuring a DAG and databases</li> <li>✓ Understanding the failover process</li> <li>✓ What are lagged mailbox database copies?</li> <li>✓ Creating and configuring a DAG</li> <li>✓ Troubleshooting DAGs</li> <li>✓ Monitoring replication health</li> <li>✓ Configuring high availability of Client Access services</li> <li>✓ High availability for Client Access services</li> <li>✓ Load balancing and Exchange Server 2016</li> <li>✓ Layer 4 vs. Layer 7 load balancers in Exchange Server 2016</li> <li>✓ Namespace and load balancing</li> <li>✓ Considerations for implementing highly available Client Access services</li> <li>✓ Configuring a Layer 4 load balancer for Client Access services</li> </ul>	Implementing Exchange Server 2016 backup <ul style="list-style-type: none"> <li>✓ Data loss scenarios</li> <li>✓ Data loss mitigation features</li> <li>✓ Timelines for disaster recovery</li> </ul>	

Unterrichtseinheit	UE 10	345
Implementing Exchange Server 2016 backup <ul style="list-style-type: none"> <li>✓ Exchange Server Native Data Protection</li> <li>✓ When is Exchange Server Native Data Protection appropriate?</li> <li>✓ Scenarios that require backup and restore</li> <li>✓ Choosing Exchange Server backups and mediaBackup requirements for Exchange Server 2016</li> <li>✓ Backing up Exchange Server 2016</li> </ul>	Implementing Exchange Server 2016 recovery <ul style="list-style-type: none"> <li>✓ Options to recover Exchange Server functionality</li> <li>✓ Options to recover mailbox data and databases</li> <li>✓ Repairing Exchange Server database corruption</li> <li>✓ Process for recovering data by using the recovery database</li> <li>✓ Recovering data by using a recovery database</li> <li>✓ What is dial-tone recovery?</li> <li>✓ Process for implementing dial-tone recovery</li> <li>✓ Recovering Client Access services</li> <li>✓ Recovering public folders</li> </ul>	

Unterrichtseinheit	UE 11	345
<p>Overview of message transport</p> <ul style="list-style-type: none"> <li>✓ Message transport components</li> <li>✓ How does message routing work?</li> <li>✓ Options for modifying the default message flow</li> <li>✓ What are transport agents?</li> <li>✓ Tools for troubleshooting SMTP message delivery</li> <li>✓ Troubleshooting SMTP message delivery</li> </ul> <p>Configuring message transport</p> <ul style="list-style-type: none"> <li>✓ Configuring message transport options</li> <li>✓ Configuring transport settings</li> <li>✓ Configuring SMTP domains</li> <li>✓ Configuring accepted and remote domains</li> <li>✓ What is an SMTP connector?</li> <li>✓ Configuring SMTP send and receive connectors</li> <li>✓ What is message moderation?</li> <li>✓ What is message journaling?</li> </ul>	<p>Managing transport rules</p> <ul style="list-style-type: none"> <li>✓ What are transport rules?</li> <li>✓ How do transport rules work?</li> <li>✓ Configuring transport rules</li> <li>✓ Configuring and using transport rules</li> <li>✓ What are data loss prevention policies?</li> <li>✓ Configuring and using a data loss prevention policy</li> </ul>	

Unterrichtseinheit	UE 12	345
<p>Deploying and managing an Edge Transport server for message security</p> <ul style="list-style-type: none"> <li>✓ Defining message security requirements</li> <li>✓ Understanding SMTP gateway</li> <li>✓ Overview of the Edge Transport server role</li> <li>✓ Infrastructure requirements for the Edge Transport server role</li> <li>✓ What is EdgeSync?</li> <li>✓ Configuring EdgeSync</li> <li>✓ Message flow with an Edge Transport server</li> <li>✓ Implementing an antivirus solution for Exchange Server 2016</li> <li>✓ Antivirus solution requirements</li> <li>✓ Options for implementing an antivirus solution in Exchange Server 2016</li> <li>✓ Antivirus solution features in Exchange Server 2016</li> <li>✓ What is Exchange Online Protection?</li> <li>✓ Best practices for deploying an antivirus solution</li> </ul>	<p>Implementing an antispam solution for Exchange Server 2016</p> <ul style="list-style-type: none"> <li>✓ Antispam solution requirements</li> <li>✓ Overview of spam-filtering features</li> <li>✓ Exchange Server 2016 spam-filtering components</li> <li>✓ What are sender and recipient filtering?</li> <li>✓ Understanding Sender ID filtering</li> <li>✓ What is sender reputation filtering?</li> <li>✓ Understanding the spam confidence level in Exchange Server 2016</li> <li>✓ What is content filtering?</li> <li>✓ Best practices for deploying an anti spam solution</li> </ul>	

Unterrichtseinheit	UE 13	345
<p>Configuring and managing message transport</p> <p>Configuring antivirus, antispam, and malware protection</p> <p>Implementing and managing Exchange Online deployments</p> <p>Overview of Exchange Online and Office365</p> <ul style="list-style-type: none"> <li>✓ What is Office 365?</li> <li>✓ What is Exchange Online?</li> <li>✓ Why migrate to Exchange Online?</li> <li>✓ Exchange Online user subscriptions</li> <li>✓ Exchange Online deployment scenarios</li> <li>✓ Coexistence between on-premises Exchange Server and Exchange Online</li> </ul>		

Unterrichtseinheit		UE 14	345
Administering Microsoft Exchange Server 2016 <ul style="list-style-type: none"> <li>✓ Implementing and managing Exchange Online deployments</li> <li>✓ Managing Exchange Online</li> <li>✓ Creating an Office 365 tenant</li> </ul> Overview of the Office 365 administrative portals <ul style="list-style-type: none"> <li>✓ Exchange Online management</li> <li>✓ Implementing the migration to Exchange Online</li> <li>✓ Migration options and Migration scenarios</li> <li>✓ Coexistence between Office 365 and on-premises Exchange Server</li> <li>✓ Preparing for migration</li> <li>✓ Migration steps</li> <li>✓ Best practices for implementing migration</li> </ul>	Monitoring and troubleshooting Microsoft Exchange Server 2016 Monitoring Exchange Server 2016 <ul style="list-style-type: none"> <li>✓ Why is performance monitoring important?</li> <li>✓ What is a performance baseline?</li> <li>✓ Establishing a performance baseline</li> <li>✓ Tools for monitoring Exchange Server</li> </ul>		

Unterrichtseinheit		UE 15	345
Monitoring Exchange Server 2016 <ul style="list-style-type: none"> <li>✓ Tools for monitoring Exchange Server</li> <li>✓ Collecting performance data for Exchange servers</li> <li>✓ Collecting performance data for a Mailbox server</li> <li>✓ Collecting performance data for transport components</li> <li>✓ Collecting performance data for the Client Access services</li> <li>✓ Using collected performance data</li> </ul>	Troubleshooting Exchange Server 2016 <ul style="list-style-type: none"> <li>✓ Troubleshooting database failures</li> <li>✓ Troubleshooting database replication</li> <li>✓ Troubleshooting performance issues</li> <li>✓ Troubleshooting connectivity issues</li> <li>✓ Troubleshooting transport components</li> </ul>		

Unterrichtseinheit		UE 16	345
Securing Exchange Server with RBAC <ul style="list-style-type: none"> <li>✓ What is role-based access control?</li> <li>✓ What are management role groups?</li> <li>✓ Built-in management role groups</li> <li>✓ Managing permissions using the built-in role groups</li> <li>✓ Designing custom role groups</li> <li>✓ Configuring custom role groups</li> <li>✓ Built-in user roles for role assignment policies</li> <li>✓ Working with management role assignment policies</li> <li>✓ Configuring management role assignment policies</li> <li>✓ What are split permissions?</li> </ul>	Configuring audit logging on Exchange Server 2016 <ul style="list-style-type: none"> <li>✓ Planning for audit logging</li> <li>✓ What is administrator audit logging?</li> <li>✓ What is mailbox audit logging?</li> <li>✓ Configuring audit logging</li> <li>✓ Options for viewing audit log information</li> </ul>		

Unterrichtseinheit		UE 17	345
Configuring audit logging on Exchange Server 2016 <ul style="list-style-type: none"> <li>✓ Planning for audit logging</li> <li>✓ What is administrator audit logging?</li> <li>✓ What is mailbox audit logging?</li> <li>✓ Configuring audit logging</li> <li>✓ Options for viewing audit log information</li> </ul>	Maintaining Exchange Server 2016 <ul style="list-style-type: none"> <li>✓ What is Exchange Server workload management?</li> <li>✓ Considerations for change management</li> <li>✓ Deployment of Exchange Server software updates</li> <li>✓ Updating a highly available Exchange Server environment</li> <li>✓ Exchange Server hardware upgrades</li> </ul>		

## 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](http://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](http://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.

Sie erreichen uns unter:

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