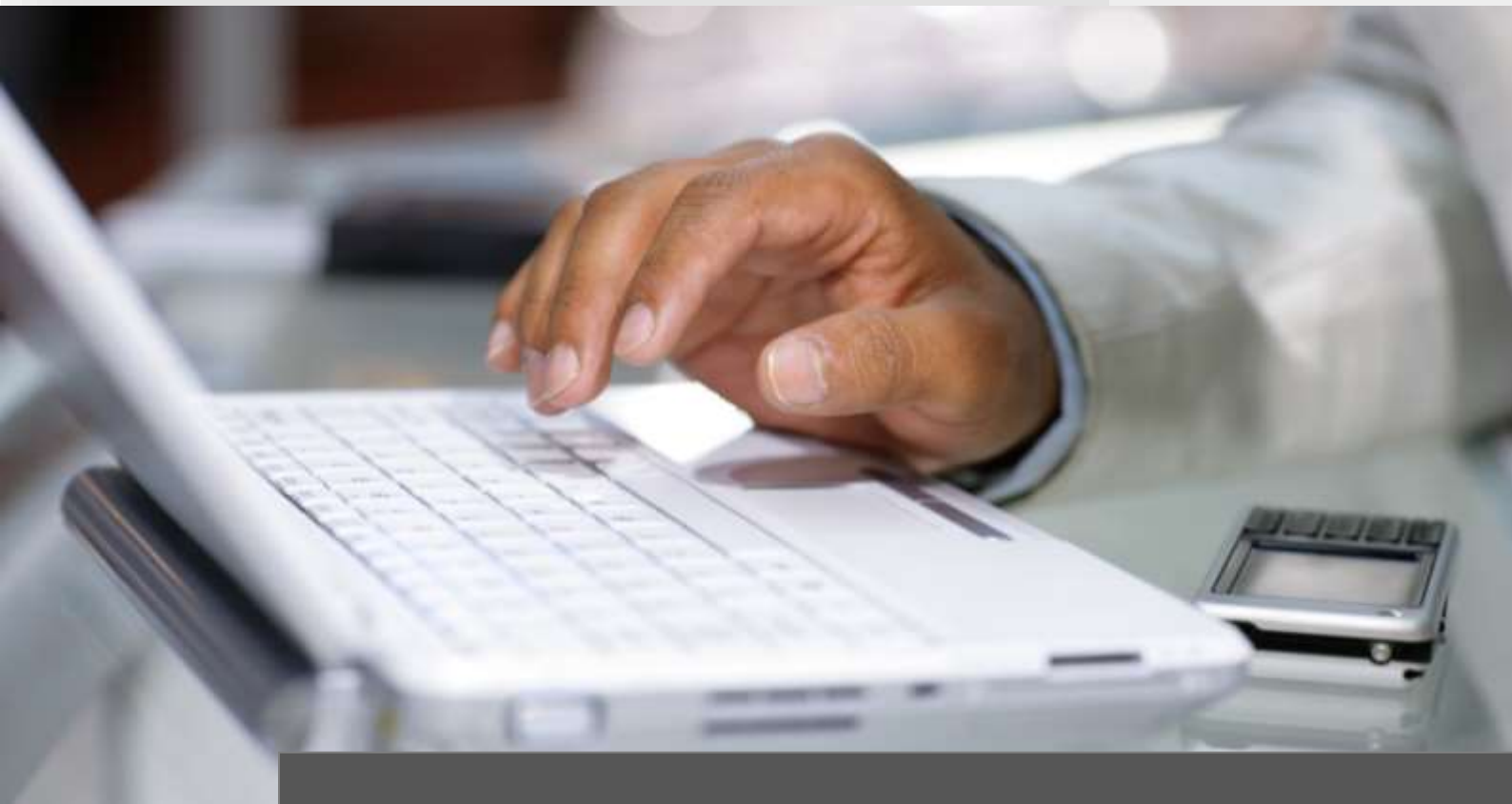


# Installing and Configuring Windows 10

Online-Training | Examen 697



Ausbildungsinhalte

## 697-1 | Installing and Configuring Windows 10

Mit der Vorbereitung auf das Examen 697 werden Sie auf das erste von zwei Examen vorbereitet, mit deren Bestehen Sie den Titel *Microsoft Certified Solutions Associate (MCSA) für Windows 10* erlangen.

Ausbildungspfad | Microsoft Certified Solutions Associate (MCSA) für Windows 10



Mit der Zertifizierung zum *Microsoft Certified Solutions Associate (MCSA) für Windows 10* demonstrieren Sie Ihre Kenntnisse über Konfiguration, Verwaltung und Wartung eines Windows 10 Unternehmenssystems.

Online-Training	Dauer	Examen
Installing and Configuring Windows 10	14 UE	697

Die Schwerpunkte dieses Examens liegen in der Installation und Konfiguration von Windows-10-Desktops und -Geräten in einer Windows-Server-Domänenumgebung. Sie lernen, das Betriebssystem und Apps zu installieren und anzupassen sowie Netzwerkkonnektivität und Storage zu konfigurieren. Daten-, Geräte- und Netzwerksicherheit sowie Wartung, Update und Wiederherstellung von Windows sind weitere Themen.

Unterrichtseinheit	UE 01	697
Introducing Windows 10 <ul style="list-style-type: none"> <li>✓ Overview of the Windows Client</li> <li>✓ What's New in Windows 10?</li> <li>✓ What's Changed Since Windows 8.1?</li> <li>✓ Benefits of Windows 10 for Small and Medium-Sized Organizations</li> <li>✓ BYOD Features</li> </ul>	Navigating the Windows 10 User Interface <ul style="list-style-type: none"> <li>✓ The Windows 10 User Interface</li> <li>✓ Demonstration: Navigating the Windows 10 User Interface</li> <li>✓ Demonstration: Customizing the Windows 10 Start Menu</li> </ul>	

Unterrichtseinheit	UE 02	697
Installing Windows 10 <ul style="list-style-type: none"> <li>✓ Windows 10 Editions</li> <li>✓ Selecting a Windows 10 Edition</li> <li>✓ Requirements for Installing Windows 10</li> <li>✓ Installation and Deployment Options for Windows 10</li> <li>✓ Windows ADK</li> <li>✓ The Process of Installing Windows 10</li> <li>✓ Activating Windows 10</li> </ul>	Upgrading to Windows 10 <ul style="list-style-type: none"> <li>✓ Supported Upgrade Paths</li> <li>✓ Upgrade vs. Migrate</li> <li>✓ Considerations for Choosing Between Upgrade and Migration</li> </ul>	

Unterrichtseinheit	UE 03	697
Upgrading Windows 10 <ul style="list-style-type: none"> <li>✓ The Process of Upgrading to Windows 10</li> <li>✓ The Process of Migrating to Windows 10</li> <li>✓ Migrating User State</li> </ul> Overview of Tools You Can Use to Configure Windows 10 <ul style="list-style-type: none"> <li>✓ Using the Settings App</li> <li>✓ Using Control Panel</li> <li>✓ What Is Windows PowerShell?</li> <li>✓ Using Windows PowerShell</li> <li>✓ Configuring a Device</li> <li>✓ Using GPOs</li> <li>✓ How GPOs Apply</li> <li>✓ Using GPOs to Configure Devices</li> </ul>	Common Configuration Options <ul style="list-style-type: none"> <li>✓ Display Options</li> <li>✓ Configuring Display Options</li> <li>✓ Options for Mobile Devices</li> <li>✓ Power Plans</li> <li>✓ Configuring Power Options</li> </ul>	

Unterrichtseinheit		UE 04	697
<p>Managing User Accounts</p> <ul style="list-style-type: none"> <li>✓ What Is a User Account?</li> <li>✓ Using a Microsoft Account</li> <li>✓ Connecting a Microsoft Account</li> <li>✓ Using an Azure AD Account</li> <li>✓ When to Use a Microsoft Account</li> </ul> <p>Using OneDrive</p> <ul style="list-style-type: none"> <li>✓ What Is OneDrive?</li> <li>✓ Enabling OneDrive</li> <li>✓ Synchronizing Settings with OneDrive</li> </ul>	<p>Using GPOs</p> <p>Configuring IP Network Connectivity</p> <ul style="list-style-type: none"> <li>✓ Overview of IPv4 Settings</li> <li>✓ Defining Subnets</li> <li>✓ Public and Private IP Addressing</li> <li>✓ Implementing Automatic IPv4 Addressing</li> <li>✓ Tools for Configuring Network Settings</li> <li>✓ Tools for Troubleshooting Network Connections</li> <li>✓ Configuring an IPv4 Connection</li> </ul>		

Unterrichtseinheit		UE 05	697
<p>Configuring IP Network Connectivity</p> <ul style="list-style-type: none"> <li>✓ Overview of IPv6 in Windows 10</li> <li>✓ Overview of IPv6 Addressing</li> <li>✓ Implementing Name Resolution</li> </ul> <p>What Is Name Resolution?</p> <ul style="list-style-type: none"> <li>✓ Overview of DNS</li> <li>✓ Troubleshooting Name Resolution</li> <li>✓ Configuring and Testing Name Resolution</li> </ul> <p>Implementing Wireless Network Connectivity</p> <ul style="list-style-type: none"> <li>✓ Wireless Network Technologies</li> <li>✓ Configuring Wi-Fi Settings</li> <li>✓ Considerations for Wireless Connectivity</li> </ul>	<p>Overview of Remote Access</p> <ul style="list-style-type: none"> <li>✓ Overview of VPNs</li> <li>✓ Overview of DirectAccess</li> <li>✓ Considerations for Remote Access</li> </ul> <p>Overview of Storage Options</p> <ul style="list-style-type: none"> <li>✓ Local and Network Storage Options</li> </ul>		

Unterrichtseinheit		UE 06	697
<p>Overview of Storage Options</p> <ul style="list-style-type: none"> <li>✓ Network Storage Options</li> <li>✓ Cloud-Based Storage</li> </ul> <p>Managing Disks, Partitions, and Volumes</p> <ul style="list-style-type: none"> <li>✓ MBR and GPT Dynamic Disks</li> <li>✓ Disk Management Tools</li> <li>✓ Simple Volumes</li> <li>✓ Mirrored, Spanned, and Striped Volumes</li> <li>✓ Creating Volumes</li> <li>✓ Managing Existing Volumes</li> <li>✓ Resizing a Volume</li> </ul> <p>Maintaining Disks and Volumes</p> <ul style="list-style-type: none"> <li>✓ What Is Storage Sense?</li> <li>✓ Using Storage Sense</li> <li>✓ Disk Fragmentation</li> <li>✓ Performing Disk Maintenance</li> <li>✓ File and Folder Compression</li> <li>✓ Compressing Files and Folders</li> <li>✓ What Are Disk Quotas?</li> <li>✓ Configuring Disk Quotas</li> </ul>	<p>Managing Storage Spaces</p> <ul style="list-style-type: none"> <li>✓ What Is the Storage Spaces Feature?</li> <li>✓ Features of Storage Spaces</li> <li>✓ Scenarios for Storage Spaces</li> <li>✓ Configuring Storage Spaces</li> </ul> <p>Overview of File Systems</p> <ul style="list-style-type: none"> <li>✓ The FAT File System</li> <li>✓ The NTFS File System</li> <li>✓ The ReFS File System</li> <li>✓ Work with File Systems in Windows 10</li> </ul> <p>Configuring and Managing File Access</p> <ul style="list-style-type: none"> <li>✓ Tools Used for Managing Files and Folders</li> <li>✓ File and Folder Permissions</li> <li>✓ Overview of Permission Inheritance</li> <li>✓ Implementing Conditions to Limit File and Folder Access</li> <li>✓ Securing Files and Folders with File Permissions</li> <li>✓ Effective Permissions</li> <li>✓ Copying and Moving Files</li> </ul>		

Unterrichtseinheit		UE 07	697
<p>Configuring and Managing Shared Folders</p> <ul style="list-style-type: none"> <li>✓ What Are Shared Folders?</li> <li>✓ Methods Available to Share Folders</li> <li>✓ Shared Folder Properties</li> <li>✓ Combining Shared Folder and NTFS File Permissions</li> <li>✓ Sharing Folders</li> </ul> <p>Work Folders</p> <ul style="list-style-type: none"> <li>✓ What Are Work Folders?</li> <li>✓ Components of Work Folders</li> <li>✓ Configuring Work Folders</li> <li>✓ Enabling Work Folders</li> </ul>	<p>Managing Printers</p> <ul style="list-style-type: none"> <li>✓ Overview of Printing Components</li> <li>✓ What Are Type 4 Printer Drivers?</li> <li>✓ Adding and Sharing a Printer</li> <li>✓ Managing Client-Side Printing</li> <li>✓ Managing Print Server Properties</li> </ul>		

Unterrichtseinheit	UE 08	697
<p>Overview of Providing Apps to Users</p> <ul style="list-style-type: none"> <li>✓ Types of Windows 10 Apps</li> <li>✓ Installing Desktop Apps Manually</li> <li>✓ Installing Desktop Apps Automatically</li> </ul>	<p>The Windows Store</p> <ul style="list-style-type: none"> <li>✓ What Is the Windows Store?</li> <li>✓ What Is Sideloaded?</li> <li>✓ Sideloaded Windows Store Apps</li> </ul>	

Unterrichtseinheit	UE 09	697
<p>Installing and Configuring Windows 10 (Part 09)</p> <p>Overview of Data-Related Security Threats</p> <ul style="list-style-type: none"> <li>✓ What Is Defense in Depth?</li> <li>✓ Possible Mitigations for Common Data-Related Threats</li> </ul> <p>Securing Data with EFS</p> <ul style="list-style-type: none"> <li>✓ What Is EFS?</li> <li>✓ Common EFS Usage Scenarios</li> <li>✓ How EFS Works</li> <li>✓ How EFS Recovery Works</li> <li>✓ Enterprise Solutions for Managing EFS</li> </ul>	<p>Implementing and Managing BitLocker</p> <ul style="list-style-type: none"> <li>✓ What Is BitLocker?</li> <li>✓ BitLocker Requirements</li> <li>✓ BitLocker Modes Using Group Policy Settings to Configure BitLocker</li> <li>✓ Recovering BitLocker-Encrypted Drives</li> <li>✓ Microsoft BitLocker Administration and Monitoring</li> </ul> <p>Lab Module 8: Managing Data Security (Part A)</p>	

Unterrichtseinheit	UE 10	697
<p>Lab Module 8: Managing Data Security (Part B)</p> <p>Using Security Settings to Mitigate Threats</p> <ul style="list-style-type: none"> <li>✓ Security Settings Available in GPO</li> <li>✓ Security Compliance Manager</li> <li>✓ The Enhanced Mitigation Experience Toolkit</li> <li>✓ Device Guard and Credential Guard</li> </ul> <p>Configuring UAC</p> <ul style="list-style-type: none"> <li>✓ What Is UAC?</li> <li>✓ How UAC Works</li> <li>✓ UAC Elevation Prompts</li> <li>✓ Configuring UAC Notification Settings</li> </ul>	<p>Configuring Application Restrictions</p> <ul style="list-style-type: none"> <li>✓ What Is AppLocker?</li> <li>✓ AppLocker Rules</li> </ul> <p>Lab Module 9: Managing Device Security</p>	

Unterrichtseinheit	UE 11	697
<p>Overview of Network-Related Security Threats</p> <ul style="list-style-type: none"> <li>✓ Common Network-Related Security Threats</li> <li>✓ Mitigations for Network-Related Security Threats</li> </ul> <p>Windows Firewall</p> <ul style="list-style-type: none"> <li>✓ What Is a Firewall?</li> <li>✓ What Is Windows Firewall?</li> <li>✓ Network Location Profiles</li> <li>✓ Windows Firewall with Advanced Security</li> <li>✓ Well-Known Ports</li> <li>✓ Configuring Inbound and Outbound Firewall Rules</li> </ul>	<p>Connection Security Rules</p> <ul style="list-style-type: none"> <li>✓ What Is IPSec?</li> <li>✓ What Are Connection Security Rules?</li> <li>✓ Authentication Options</li> <li>✓ Monitoring Connections</li> <li>✓ Creating and Configuring Connection Security Rules</li> </ul> <p>Windows Defender</p> <ul style="list-style-type: none"> <li>✓ What Is Malware?</li> <li>✓ What Are Sources of Malware?</li> <li>✓ What Are Possible Mitigations for Malware Threats?</li> <li>✓ How Windows Defender Can Help?</li> <li>✓ Using Windows Defender</li> </ul>	

Unterrichtseinheit	UE 12	697
<p>Lab Module 10: Managing Network Security</p> <p>Managing Devices and Drivers</p> <ul style="list-style-type: none"> <li>✓ What Is a Device Driver?</li> <li>✓ Using Device Manager</li> <li>✓ Driver Roll Back</li> </ul>	<p>Recovering Files</p> <ul style="list-style-type: none"> <li>✓ File Recovery Methods in Windows 10</li> <li>✓ File History</li> <li>✓ Backup and Restore (Windows 7)</li> <li>✓ Previous Versions</li> </ul> <p>Recovering Devices</p> <ul style="list-style-type: none"> <li>✓ Overview of Device Recovery Procedures</li> </ul>	

Unterrichtseinheit	UE 13	697
Recovering Devices <ul style="list-style-type: none"> <li>✓ System Protection and Restore Points</li> <li>✓ Advanced Startup Options</li> <li>✓ Tools Available in Windows RE</li> </ul>		

Unterrichtseinheit	UE 14	697		
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> Updating Windows <ul style="list-style-type: none"> <li>✓ Windows 10 Servicing Options</li> <li>✓ Methods for Applying Updates to Windows 10</li> <li>✓ Windows Update Settings in Windows 10</li> <li>✓ Available GPOs for Configuring Windows Update</li> <li>✓ Using a WSUS Server to Deploy Updates</li> <li>✓ Windows Update for Business</li> </ul> </td> <td style="width: 50%; vertical-align: top;"> Monitoring Windows 10 <ul style="list-style-type: none"> <li>✓ Task Manager</li> <li>✓ Event Viewer</li> <li>✓ Configuring Event Subscriptions</li> <li>✓ Reliability History</li> </ul> Optimizing Performance <ul style="list-style-type: none"> <li>✓ Performance Considerations</li> <li>✓ Performance Monitoring</li> </ul> </td> </tr> </table>			Updating Windows <ul style="list-style-type: none"> <li>✓ Windows 10 Servicing Options</li> <li>✓ Methods for Applying Updates to Windows 10</li> <li>✓ Windows Update Settings in Windows 10</li> <li>✓ Available GPOs for Configuring Windows Update</li> <li>✓ Using a WSUS Server to Deploy Updates</li> <li>✓ Windows Update for Business</li> </ul>	Monitoring Windows 10 <ul style="list-style-type: none"> <li>✓ Task Manager</li> <li>✓ Event Viewer</li> <li>✓ Configuring Event Subscriptions</li> <li>✓ Reliability History</li> </ul> Optimizing Performance <ul style="list-style-type: none"> <li>✓ Performance Considerations</li> <li>✓ Performance Monitoring</li> </ul>
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## 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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Ihre Ansprechpartner für das ITKwebcollege.ADMIN

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