



MICROSOFT CERTIFIED SOLUTIONS EXPERT (MCSE)

COURSE DURATION -30 HOURS

FEE-3500 AED

What is MCSE?

The MCSE Certification is a certification to become a system engineer. They are a series of exams that test a person's knowledge with various Microsoft technologies like Windows Server, SQL Server, Exchange Server, SharePoint, System Center (SCCM) and Office 365.

WHY SHOULD YOU HAVE MCSE CERTIFICATION?

The MCSE certification skills help you to determine the business necessity and chart it out. Further, it helps you to troubleshoot network issues, and install and configure various network constitute.

Contents in Detail

- Installing windows server 2012.
- Disk Management – MBR, GPT, VHD, Basic disk, Dynamic disk, storage pool, disk pool.
- NTFS file system and its features – file permissions, quota, VSS, offline files.
- Hyper-V – Creating and configuring virtual machines.
- Hyper-V – Creating and configuring virtual machine storage.
- Hyper-V – Creating and configuring virtual networks.

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- DHCP – Deployment and configuration.
- DNS – Forward and reverse lookup, primary/secondary/stub zone, forwarders, root hints, caching.
- Only DNS, Dynamic DNS.
- Installing Active Directory domain controllers.
- Active Directory user, group, OU management.
- Create and manage Group Policy objects (GPOs).
- Configure security policies.
- Configure application restriction policies.
- Configure Windows Firewall.
- Deploy and manage Windows Deployment Services (WDS).
- Configure Distributed File system (DFS).
- Configure File Server Resource Manager (FSRM).
- Configure routings.
- Configure NAT.
- Configure VPN.
- FSMO roles.
- Active Directory backup and restoration.
- Active directory task delegation.
- Configure Network Load Balancing (NLB).
- Configure failover clustering.
- Manage Virtual Machine (VM) migration.
- Plan and implement failover clustering.
- Plan and implement highly available storage solution.
- Plan and implement virtualization hosts.
- Plan and implement virtualization guests.

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Exchange 2016

EXCHANGE 2016

COURSE DURATION-30 HOURS

FEE-3500AED

WHAT IS EXCHANGE 2016?

Microsoft Exchange Server 2016 is the latest iteration of the Exchange Server messaging platform and is tentatively scheduled for release in the latter half of 2015. Exchange 2016 combines the mailbox and Client Access Server (CAS) roles, which should allow for simpler designs and architecture.

WHY EXCHANGE IS IMPORTANT?

Microsoft Exchange enables email to be delivered directly to a server. It works by sending the emails back to your individual workstations in which your staff can access. Small and medium-sized companies can achieve three benefits from using Microsoft Exchange.

Core Solutions of Microsoft® Exchange Server 2016

About this course

This course will provide you with the knowledge and skills to plan, deploy, manage, secure, and support Microsoft® Exchange Server 2016. This course will teach you how to configure Exchange Server 2016 and supply you with the information you will need to monitor, maintain, and troubleshoot Exchange Server 2016. This course will also provide guidelines, best practices, and considerations that will help you optimize performance and minimize errors and security threats in Exchange Server 2016.

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At course completion

After completing this course, students will be able to:

- Deploy and manage Exchange Server 2016.
- Plan and configure the Mailbox server role.
- Manage recipient objects, address policies, and address lists in Exchange Server 2016.
- Plan and implement the Client Access server role in Exchange Server 2016.
- Securely plan and configure Microsoft® Outlook Web App and mobile messaging using the Client Access server.
- Understand and manage highly available Client Access servers in Exchange Server 2016.
- Plan for disaster mitigation, implement backup and recovery for Exchange Server 2016.
- Plan and configure message transport in an Exchange Server 2016 organization.
- Plan message security options, implement an antivirus solutions, and implement an anti-spam solution.
- Configure permissions and secure Exchange Server 2016.
- Monitor, maintain, and troubleshoot an Exchange Server 2016 environment.

Advanced Solutions of Microsoft Exchange Server 2016

About this course

This course will provide you with the knowledge and skills to configure and manage a Microsoft Exchange Server 2016 messaging environment. This course will teach you how to configure Exchange Server 2016, and it will provide guidelines, best practices, and considerations that will help you optimize your Exchange Server deployment.

At course completion

After completing this course, students will be able to:

- Design and implement Exchange Server 2016 Unified Messaging.
- Design and implement site resiliency for Exchange Server 2016.
- Plan a virtualization strategy for Exchange Server 2016 roles.
- Design and implement message transport security.
- Design and implement message retention in Exchange Server 2016.
- Design and implement messaging compliance.
- Design and implement administrative security in an Exchange Server 2016 environment.
- Use the Windows PowerShell® 3.0 command-line interface to manage Exchange Server 2016.
- Design and implement integration with Exchange Online.

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- Design and implement messaging coexistence.
- Design and implement Exchange Server migrations from non-Exchange messaging systems, and upgrades

Course Objectives

After completing this course, students will be able to:

- Plan and implement Microsoft Exchange Server 2016 prerequisites and requirements.
- Prepare your Active Directory for Exchange Server 2016.
- Manage Exchange Server 2016 clients.
- Administer Exchange Server using the Exchange Management Shell and Exchange Admin Center.
- Manage Exchange Server 2016 recipients.
- Plan and Implement Public Folder Mailboxes.
- Plan and Configure Administrative Security and Auditing.

COURSE CONTENT

1. Installation, Storage, and Compute with Windows Server 2016.
2. Networking with Windows Server 2016.
3. Identity with Windows Server 2016.
4. Upgrading Your Skills to MCSA: Windows Server 2016.
5. Securing Windows Server 2016.
6. Implementing a Software-Defined Datacenter.

Course Outline

COURSE INTRODUCTION

MODULE 0

- Welcome to Microsoft Exchange Server 2016 Infrastructure
- Course Syllabus and Grading
- Discussion Forums and Getting Help
- Getting to Know You

MODULE 1

Exchange Server 2016 Prerequisites and Requirements

- Introduction to Exchange Server and Active Directory Integration
- Hardware and Software Requirements
- Prepare Active Directory for Exchange Server 2016 Deployment

MODULE 2

Manage Exchange Server 2016

- Manage Exchange Server and Client Settings
- Introduction to Exchange Management Shell

MODULE 3

Manage Exchange Server 2016 Recipient Objects

- Mailbox Recipient Objects
- Email Address Policies.

MODULE 4

Manage Mail-enabled Object Permissions

- Mailbox Permissions
 - Manage Mailbox Folder Permissions
- Auto mapping

MODULE 5

- Plan and Implement Public Folder Mailboxes
- Plan and Implement Public Folder Mailboxes
- Plan and Configure Administrative Security and Auditing

MODULE 6

- Configure Role-Based Access Control
- Exchange Server Split Permissions
- Configure Audit Logging



CISCO CERTIFIED NETWORK ASSOCIATE

(200-301 CCNA)

COURSE DURATION : 30 HOURS

FEE -1300 AED

What is CCNA?

CCNA (Cisco Certified Network Associate) is an information technology (IT) certification from Cisco Systems. CCNA certification is an associate-level Cisco Career certification.

Why should you become a CCNA?

As a networking professional, you will cultivate industry-supported skills and credentials that you will be able to transfer to future employment opportunities. With your CCNA certification, you will be able to demonstrate and promote the fact that you have the necessary skills to do your job effectively and you are certified by the leader in Network Technologies.

Requirements for the certification

To become Cisco Certified Network Associate, you are required to pass one exam (exam #200-125 CCNA). The exam duration is 90 minutes and there are 50 to 60 questions. This exam is developed with the input of professionals in the industry and reflects how Cisco products are used in organizations throughout the world. The exam is administered by Pearson Vue™, an independent testing organization with locations worldwide. Computer Institute is an authorized testing center.

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The following table shows the exam percentages for exam sections:

1. Network Fundamentals	15%
2. LAN Switching Technologies	21%
3. Routing Technologies	23%
4. WAN Technologies	10%
5. Infrastructure Services	10%
6. Infrastructure Security	11%
7. Infrastructure Management	10%

Contents in Detail

1. Network Fundamentals
2. LAN Switching Technologies
3. Router and Switches configuration
4. Routing Configuration – Static – RIP – RIPv2
5. IGRP, EIGRP, OSPF
6. ACL and Extended ACL
7. NAT, PAT
8. Switch Configuration
9. VLAN, VTP Domain
10. Password recovery
11. TFTP Setup
12. Wireless basics

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FIREWALLS

COURSE DURATION: 30 HOURS

FEE- 4000AED

WHAT IS FIREWALL?

In computing, a firewall is a network security system that monitors and controls incoming and outgoing network traffic based on predetermined security rules. A firewall typically establishes a barrier between a trusted internal network and untrusted external network, such as the Internet.

TYPES OF FIREWALL

There are three basic types of firewalls that are used by companies to protect their data & devices to keep destructive elements out of network, viz. Packet Filters, Stateful Inspection and Proxy Server Firewalls.

CONTENTS

- Firewall Planning and Design
- Developing a Security Policy
- Firewall Configuration Strategies
- Packet Filtering
- Working with Proxies and Application - Level Firewalls
- Authenticating Users
- Encryption and Firewalls
- Choosing a Bastion Host
- Setting Up a Virtual Private Network
- Building Your Own Firewall
- Ongoing Administration

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REDHAT LINUX

COURSE DURATION- 30HOURS

FEE- 3500AED

WHAT IS LINUX?

Red Hat Enterprise Linux supports and powers software and technologies for automation, cloud, containers, middleware, storage, application development, microservices, virtualization, management, and more. Linux plays a major role as the core of many of Red Hat's offerings.

WHY REDHAT LINUX?

Red Hat engineers help improve features, reliability, and security to make sure your infrastructure performs and remains stable—no matter your use case and workload.

COURSE CONTENTS

1. Red Hat System Administration I

Red Hat System Administration I (RH124) equips you with Linux® administration "survival skills" by focusing on foundational Linux concepts and core tasks. You will learn how to apply command-line concepts and enterprise-level tools, starting you on your journey toward becoming a full-time Linux system administrator.

CONTENT SUMMARY:

- Introduction to the command line
- Managing physical storage
- Install and configure software components and services
- Establish network connections and control firewall restrictions
- Monitor and manage running processes
- Manage and secure files and file systems
- Administer users and groups
- Review the system log files and journal for issues
- Troubleshoot problems and analyze systems with Red Hat Insights
- Remotely manage systems with SSH and the Web Console.

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2. Red Hat System Administration II

Red Hat System Administration II (RH134) builds upon and lends context to the foundational knowledge established in Red Hat System Administration I (RH124). This follow-on course demonstrates more detailed use cases for Red Hat® Enterprise Linux®, preparing you for the Red Hat Certified System Administrator exam (EX200). This course is based on Red Hat Enterprise Linux 8.

CONTENT SUMMARY:

- Install Red Hat Enterprise Linux using scalable methods
- Access security files, file systems, and networks
- Execute shell scripting and automation techniques
- Manage storage devices, logical volumes, and file systems
- Manage security and system access
- Control the boot process and system services.

3. RHCSA Rapid Track course

The RHCSA Rapid Track course (RH199) combines the foundations and applications established and covered in Red Hat System Administration I (RH124) and Red Hat System Administration II (RH134). The rapid pace of review and consolidated course timeline allow you to focus on practical application, making this offering best suited to those who already have significant experience with Linux® administration. This course is based on Red Hat® Enterprise Linux 8.

CONTENT SUMMARY

- Package management with new repository structure and appstream modules
- Create storage devices, volumes, and file systems, including Stratis storage management
- Configure network services and security
- Manage processes, scheduling, and tuning
- Manage users, groups, and authentication
- Perform server management with the Cockpit web management utility
- Troubleshoot and obtain support

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VMWARE

DURATION- 30 HOURS

FEE-3500 AED

What is VMWARE?

VMware is the globally-leading provider of the virtualization and cloud infrastructure solutions in the IT industry

Why Get VMware Certified?

VMware Certifications are a badge of honor, designed to validate your expertise and get you where you need to be – proficient today and future-proofed for tomorrow.

What is VMware and why it is used?

VMware Workstation is a virtual machine software that is used for x86 and x86-64 computers to run multiple operating systems over a single physical host computer. Each virtual machine can run a single instance of any operating system (Microsoft, Linux, etc.) simultaneously.

Benefits of VMware Certification

- Recognition of your technical knowledge and skills
- Greater opportunities for career advancement
- Official transcripts
- VMware Digital Badge*
- Use of the certification logo
- Access to the exclusive portal & logo merchandise store
- Invitation to beta exams and classes
- Discounts from VMware Press
- Discounted admission to VMware events

Certification and badges

1. Data Center Virtualization

VMware Data Center Virtualization certifications are designed to gauge your level of skill designing, installing, and managing VMware vSphere environments in a real world environment.

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2. Network Virtualization

VMware network virtualization certifications are designed to gauge your level of skill designing, implementing and managing a VMware NSX environment.

3. Cloud Management and Automation

The VMware Cloud Management and Automation certifications are designed to gauge your level of skill learning, configuring and optimizing VMware vRealize for your cloud solution.

4. Desktop and Mobility

VMware Desktop and Mobility certifications are designed to gauge your level of skill designing, installing and managing a VMware Horizon with view environment deployed on a VMware vSphere implementation.

5. Digital Business Transformation

Earning this certification validates your understanding of virtualization concepts and how they drive an enterprise's digital agenda. It proves that you are familiar with the VMware products and technologies that support VMware Cloud Foundation and Cross-Cloud Architecture solutions including vSphere, vSAN, NSX, and the vRealize Suite.

6. Digital Workspace

VMware Digital Workspace certification is designed to gauge your skill configuring deploying, managing, maintaining, optimizing, and troubleshooting VMware workspace One and related solutions.

The certification levels

1. VCA (VMware Certified Associate)

For Administrators, Architects & Executives

This entry level certification is ideal for new IT professionals as well as executives making decisions about VMware solutions.

2. VCP (VMware Certified Professional)

For Administrators & Engineers

This level is designed for IT professionals who install, configure, manage, and optimize VMware solutions.

3. VCAP (VMware Certified Advanced Professional)

For Administrators, Architects & Engineers

The advanced levels are for those who design and build VMware Solutions (VCAP Design) and manage and optimize VMware solutions (VCAP Deployment).

4. VCDX (VMware Certified Design Expert)

For Architects

The highest level of certification, VCDX recognizes IT professionals who design, build, and manage VMware solutions and systems.

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Contents in detail

1 Introduction to Virtualization Technologies

- VMware workstation
- VMware player
- Virtual box

2. Introduction to VMware Virtualization

- Introduce Virtualization
- Introduce Virtual machines
- Introduce vSphere components

3. VMware ESX and ESXi (ESX/ESXi 4.1)

- Introduce the architecture of ESX and ESXi
- Manually configure ESX/ESXi

4. VMware vCenter Server

- Install and configure vCenter Server components
- Manage vCenter Server inventory objects

5. Networking

- Create, configure, and manage vNetwork standard switches
- Create, configure, and manage network connections
- Create, configure, and manage port groups

6. Storage

- Configure ESX/ESXi with iSCSI, NFS.
- Create and manage vSphere data stores

7. Virtual Machines

- Deploy virtual machines using the Create New Virtual Machine wizard, templates, cloning, and VMware vCenter Converter

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- Modify and manage virtual machines
- Perform Storage vMotion migrations

8. Access Control

- Control user access through roles and permissions

9. Resource Monitoring

- Control virtual machine access to CPU, memory, and I/O resources
- Introduce VMkernel methods for optimizing CPU and memory usage
- Monitor resource usage using vCenter Server performance graphs and alarms

10. Data Protection

- Back up and recover virtual machines using VMware Data Recovery

11. Scalability

- Manage multiple vCenter Server inventories using VMware vCenter Linked Mode
- Manage ESX/ESXi configuration compliance using Host Profiles
- Create, configure, and manage vNetwork distributed switches, network connections, and port groups
- Perform VMware vMotion migrations
- Configure and manage a VMware Distributed Resource Scheduler cluster

12. High Availability

- Configure and manage a VMware High Availability cluster
- Configure fault-tolerant virtual machines using VMware Fault Tolerance

13. Patch Management

- Manage patching and patch compliance using vCenter Update Manager

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CERTIFIED ETHICAL HACKER

COURSE DURATION -30 HOURS

FEE-3500 AED

EXAM CODE: 312-50 (ECC EXAM), 312-50 (VUE)

WHAT IS CERTIFIED ETHICAL HACKING?

Certified Ethical Hacker (CEH) is a qualification obtained by demonstrating knowledge of assessing the security of computer systems by looking for weaknesses and vulnerabilities in target systems, using the same knowledge and tools as a malicious hacker, but in a lawful and legitimate manner to assess the security posture of a target system. This knowledge is assessed by answering multiple choice questions regarding various ethical hacking techniques and tools. The code for the C|EH exam is 312-50. This certification has now been made a baseline with a progression to the C|EH (Practical), launched in March 2018, a test of penetration testing skills in a lab environment where the candidate must demonstrate the ability to apply techniques and use penetration testing tools to compromise various simulated systems within a virtual environment.

COURSE DESCRIPTION

The Certified Ethical Hacker (C|EH v10) program is a trusted and respected ethical hacking training Program that any information security professional will need. Since its inception in 2003, the Certified Ethical Hacker has been the absolute choice of the industry globally.

It is a respected certification in the industry and is listed as a baseline certification on the United States Department of Defense Directive 8570. The C|EH exam is ANSI 17024 compliant adding credibility and value to credential members. C|EH is used as a hiring standard and is a core sought after certification by many of the Fortune 500 organizations, governments, cyber security practices, and a cyber-staple in education across many of the most prominent degree programs in top Universities around the globe. Hundreds of Thousands of InfoSec Professionals as well as Career Starters have challenged the exam and for those who passed, nearly all are gainfully employed with successful careers, but the landscape is changing.

Cyber Security as a profession is evolving, the barrier to entry is rising, the demand for Skilled Cyber professionals continues to grow, but it is being refined, demanding a higher level of skill and ability. EC-Council raises the bar again for ethical hacking training and certification programs with the all new C|EH v10! This course in its 10th iteration, is updated to provide you with the tools and techniques used by hackers and information security professionals alike to break into any computer system.

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This course will immerse you into a “Hacker Mindset” in order to teach you how to think like a hacker and better defend against future attacks. It puts you in the driver’s seat with a hands-on training environment employing a systematic ethical hacking process. You are constantly exposed to creative techniques of achieving optimal information security posture in the target organization; by hacking it! You will learn how to scan, test, hack and secure target systems. The course covers the Five Phases of Ethical Hacking, diving into Reconnaissance, Gaining Access, Enumeration, Maintaining Access, and covering your tracks. The tools and techniques in each of these five phases are provided in detail in an encyclopedic approach and absolutely no other program offers you the breadth of learning resources, labs, tools and techniques than the C|EH v10 program.

Contents in brief:

1. Key issues plaguing the information security world, incident management process, and penetration testing.
2. Various types of foot printing, foot printing tools, and countermeasures
3. Network scanning techniques and scanning countermeasures.
4. Enumeration techniques and enumeration countermeasures.
5. System hacking methodology, steganography, steganalysis attacks, and covering tracks.
6. Different types of Trojans, Trojan analysis, and Trojan countermeasures
7. Working of viruses, virus analysis, computer worms, malware analysis procedure, and countermeasures.
8. Packet sniffing techniques and how to defend against sniffing.
9. Social Engineering techniques, identify theft, and social engineering countermeasures
10. DoS/DDoS attack techniques, botnets
11. Session hijacking techniques and countermeasures.
12. Different types of webserver attacks, attack methodology, and countermeasures.
13. Different types of web application attacks, web application hacking methodology, and countermeasures.
14. SQL injection attacks and injection detection tools.
15. Wireless Encryption, wireless hacking methodology, wireless hacking tools, and Wi-Fi- security tools.
16. Mobile platform attack vector, android vulnerabilities, jail breaking IOS, windows phone 8 vulnerabilities, mobile security guidelines, and tools.
17. Firewall, IDS and honeypot evasion techniques, evasion tools, and Countermeasures.
18. Various cloud computing concepts, threats, attacks, and security techniques and tools.
19. Different types of cryptography ciphers, Public Key Infrastructure (PKI), cryptography attacks, and cryptanalysis tools.
20. Various types of penetration testing, security audit, vulnerability Assessment, and penetration testing roadmap.

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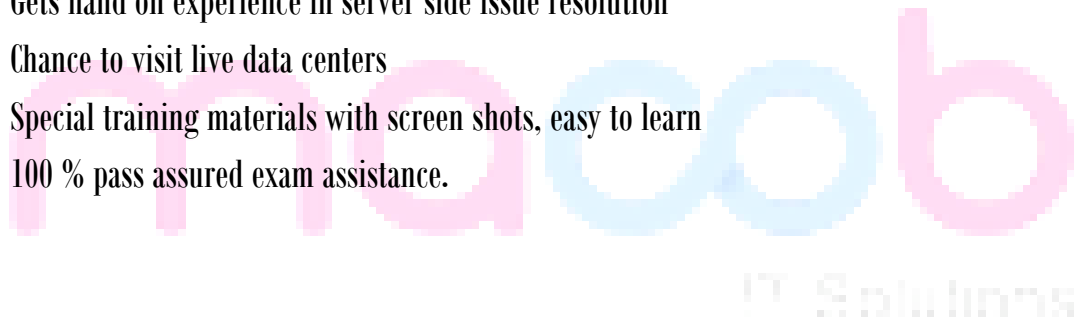
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What is New in the CEHV9 COURSE?

This is the worlds most advanced ethical hacking course with 18 of the most current security domains any ethical hacker will ever want to know when they are planning to beef up the information security posture of their organization. In 18 comprehensive modules, the course covers over 270 attack technologies, commonly used by hackers.

What we have?

- All trainers are certified – Practical oriented approach
- Live/ Real-time server administration training
- 24/7 phone support for technical issues resolution
- Flexible timings – Each candidate get personalized training
- Gets hand on experience in server side issue resolution
- Chance to visit live data centers
- Special training materials with screen shots, easy to learn
- 100 % pass assured exam assistance.



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