

COURSE OUTLINE

Administering Microsoft Endpoint Configuration Manager (55348AC)

Course Duration: 5 Days

Course Description:

This five-day course focuses on using Configuration Manager and its associated site systems to manage network resources efficiently. The course covers day-to-day management tasks, including managing applications, client health, hardware and software inventory, operating system deployment, and software updates using Configuration Manager. It also teaches how to optimize Endpoint Protection, manage compliance, and create management queries and reports. While the course and its associated labs are written for Microsoft Endpoint Configuration Manager and Windows 11, the skills taught are also applicable to previous editions of System Center Configuration Manager and Windows 10.

Target Audience:

The course is designed for experienced IT professionals, typically referred to as Enterprise Desktop Administrators (EDAs), who deploy, manage, and maintain PCs, devices, and applications across medium, large, and enterprise organizations. A significant portion of this audience uses, or intends to use, the latest release of Configuration Manager to manage and deploy PCs, devices, and applications.

Prerequisites:

Networking fundamentals, including common networking protocols, topologies, hardware, media, routing, switching, and addressing.

- Active Directory Domain Services (AD DS) principles and fundamentals of AD DS management.
- Installation, configuration, and troubleshooting for Windows-based personal computers.
- Basic concepts of public key infrastructure (PKI) security.
- Basic understanding of scripting and Windows PowerShell syntax.
- Basic understanding of Windows Server roles and services.
- Basic understanding of the configuration options for iOS and Android Mobile device platforms

Course Outline:

- Module 1: Managing computers and mobile devices in the enterprise
- Module 2: Analyzing data using queries, reports, and CMPivot
- Module 3: Preparing the Configuration Manager management infrastructure
- Module 4: Deploying and managing the Configuration Manager client
- Module 5: Managing inventory for PCs and applications
- Module 6: Distributing and managing content used for deployments
- Module 7: Deploying and managing applications
- Module 8: Maintaining software updates for managed PCs
- Module 9: Implementing Defender Protection for managed PCs
- Module 10: Managing compliance and secure data access
- Module 11: Managing operating system deployment
- Module 12: Managing and maintaining a Configuration Manager site

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