Microsoft

MCSE: SECURITY

Microsoft Certified
Systems Engineer: Security

MCSE: Security at a glance

Target audience:
Experienced systems engineers who are responsible for designing, planning, and implementing security on Microsoft Windows 2000 or Windows Server 2003 and as part of a secure computing environment.

Typical job titles for MCSE:
- Systems Engineer
- Information Technology Engineer
- Systems Analyst
- Network Analyst
- Technical Consultant

Experience:
Candidates should have at least one year of experience in a security-focused job role.

Exam requirements:
- Windows 2000 track: Four core exams and three security specialization exams
- Windows Server 2003 track: Five core exams and three security specialization exams

Based on the MCSE credential, the MCSE: Security specialization measures a depth and breadth of security skills across the Windows platform. Exams include scenarios and case studies that are based on real-world business challenges, allowing you to validate your ability to create a secure computing environment.

IT professionals pursuing MCSE: Security certification must demonstrate core security design and implementation skills appropriate to their job role on the Windows 2000 or Windows Server 2003 platforms. Candidates must show proficiency with Microsoft Internet Security and Acceleration (ISA) Server 2000, Enterprise Edition, or demonstrate security skills beyond Microsoft technologies by achieving CompTIA Security+ certification, which is an industry-recognized standard of competency for foundation-level security practitioners.

The benefits of security specialization.

IT professionals seeking to demonstrate security-specific knowledge and skills will benefit extensively by achieving the MCSE: Security specialization.

Reliably validate your security skills.
Microsoft and CompTIA certification exams are developed by respected industry experts with firsthand experience of designing and implementing security for enterprise networks. IT professionals and organizations can be confident that these specializations validate in-depth security skills on the Windows platform.

Identify your focus on security.
Systems engineers who focus on security in the enterprise will exhibit security-specific skills on the Windows platform and across the entire computing environment by obtaining the MCSE: Security certification.

Bring value to any organization.
IT professionals with the MCSE: Security certification bring industry-recognized best practices to their jobs. Certified individuals possessing security implementation and design skills are in a strong position to reduce the risk and impact of security issues on their organizations.

For more information, please visit the Microsoft Learning Web site or contact your local Microsoft CTEC.

www.microsoft.com/mcsesecurity

Microsoft has introduced a new specialization to its Microsoft Certified Systems Engineer (MCSE) certification. It identifies systems engineers who demonstrate deep, role-based security skills on the Microsoft Windows 2000 or Windows Server 2003 operating system. The MCSE: Security specialization provides a way for IT professionals to highlight their focus on security in the enterprise and demonstrate their ability to create a secure computing environment.

Security skills are in high demand.

Organizations need to reduce the risk and impact of security issues, which means security implementation skills are in high demand across the IT industry. Systems engineers who focus on security in their job role want to highlight their expertise in this field, and employers are eager to identify individuals who possess these skills. The Microsoft Certified Systems Engineer (MCSE): Security certification specialization identifies systems engineers who concentrate on security, setting them apart from their peers.

Enhance your status as an IT professional.

The MCSE: Security certification distinguishes systems engineers who specialize in designing, planning, and implementing security on the Windows platform and as part of a secure computing environment. Certification candidates are systems engineers who typically have at least one year of experience in a security-focused job role.

The certification demonstrates to employers, peers, and clients your ability to secure a computing environment. By distinguishing yourself from other IT professionals, you'll gain an edge in marketing your skills—and succeeding on the job.

Move ahead of the competition with quality, flexible learning solutions.

Comprehensive preparation tools such as Microsoft Official Courses, Microsoft Official Workshops, and Microsoft Press Self-Paced Training Kits have been designed to give you the detailed technical information you need. Microsoft Certified Technical Education Centers (Microsoft CTECs) deliver these Microsoft Official Learning Products as well as other consultative services to help you gain knowledge and apply your skills. Microsoft Skills Assessments evaluate whether you are ready to implement specific business solutions and provide you with recommended ways to increase your knowledge and skills.

Microsoft Official Learning Products and Microsoft Press books that will help you prepare for the certification exams are clearly outlined on the following page, so that you can be confident in your knowledge and skills prior to putting them to the test.

Create a secure computing environment.

The typical IT deployment cycle consists of five phases: design, plan, implement, manage, and maintain. The MCSE: Security certification covers skills associated with designing, planning, and implementing security in a network infrastructure.

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Systems Engineer
SECURITY

[1] Candidates who passed Windows NT 4.0 Exams 70-067, 70-068, and 70-073 had the option to take the comprehensive Exam 70-240: Microsoft Windows 2000 Accelerated Exam for MCPs Certified on Microsoft Windows NT 4.0. By passing this exam, candidates met the following MCSE exam requirements: Exams 70-210, 70-215, 70-216, and 70-217. Exam 70-240 is no longer available. Course 1560: Updating Support Skills from Microsoft Windows NT 4.0 to Microsoft Windows 2000 (5 days) provides training for exams 70-210, 70-215, 70-216, and 70-217.

[2] This book is also one of the four books contained in *MCSE Self-Paced Training Kit: Microsoft Windows 2000 Core Requirements, Second Edition, Exams 70-210, 70-215, 70-216, 70-217* (ISBN: 0-7356-1771-6).

[3] Candidates who hold MCSA or MCSE on Windows 2000 may take exam 70-292 in place of exams 70-290 and 70-291.

[4] Candidates who hold MCSE on Windows 2000 may take exam 70-296 in place of 70-293 and 70-294.

[5] This book is also one of the four books contained in *MCSE Self-Paced Training Kit (Exams 70-290, 70-291, 70-293, 70-294): Microsoft Windows Server 2003 Core Requirements* (ISBN: 0-7356-1953-0).

MCSE: Security on Windows 2000

Core exams: four required
Security specialization exams: three required

EXAMS	MICROSOFT OFFICIAL LEARNING PRODUCTS	MICROSOFT PRESS BOOKS
Core Client exams one exam required		
Exam 70-210:[1] Installing, Configuring, and Administering Microsoft Windows 2000 Professional	**Course 2151:** Microsoft Windows 2000 Network and Operating System Essentials (3 days) **Course 2152:** Implementing Microsoft Windows 2000 Professional and Server (5 days)	*MCSA/MCSE Self-Paced Training Kit: Microsoft Windows 2000 Professional, Second Edition (Exam 70-210)* (ISBN 0-7356-1766-X)[2]
Exam 70-270: Installing, Configuring, and Administering Microsoft Windows XP Professional	**Course 2272:** Implementing and Supporting Microsoft Windows XP Professional (5 days)	*MCSE Training Kit: Microsoft Windows XP Professional (Exam 70-270)* (ISBN 0-7356-1429-6)
Core Networking exams three exams required		
Exam 70-215:[1] Installing, Configuring, and Administering Microsoft Windows 2000 Server	**Course 2151:** Microsoft Windows 2000 Network and Operating System Essentials (3 days) **Course 2152:** Implementing Microsoft Windows 2000 Professional and Server (5 days)	*MCSA/MCSE Self-Paced Training Kit: Microsoft Windows 2000 Server, Second Edition (Exam 70-215)* (ISBN 0-7356-1767-8)[2]
Exam 70-216:[1] Implementing and Administering a Microsoft Windows 2000 Network Infrastructure	**Course 2153:** Implementing a Microsoft Windows 2000 Network Infrastructure (5 days)	*MCSA/MCSE Self-Paced Training Kit: Microsoft Windows 2000 Network Infrastructure Administration, Second Edition (Exam 70-216)* (ISBN 0-7356-1772-4)[2]
Exam 70-217:[1] Implementing and Administering a Microsoft Windows 2000 Directory Services Infrastructure	**Course 2154:** Implementing and Administering Microsoft Windows 2000 Directory Services (5 days)	*MCSE Self-Paced Training Kit: Microsoft Windows 2000 Active Directory® Services, Second Edition (Exam 70-217)* (ISBN 0-7356-1759-7)[2]
Security specialization exams three exams required		
Exam 70-220: Designing Security for a Microsoft Windows 2000 Network	**Course 2830:** Designing Security for Microsoft Networks (3 days)	*MCSE Training Kit: Designing Microsoft Windows 2000 Network Security* (ISBN 0-7356-1134-3)
Exam 70-214: Implementing and Administering Security in a Microsoft Windows 2000 Network	**Course 2150:** Designing a Secure Microsoft Windows 2000 Network (5 days) **Course 2153:** Implementing a Microsoft Windows 2000 Network Infrastructure (5 days)	*MCSA/MCSE Self-Paced Training Kit: Implementing and Administering Security in a Microsoft Windows 2000 Network (Exam 70-214)* (ISBN 0-7356-1878-X).
Exam 70-227: Installing, Configuring, and Administering Microsoft Internet Security and Acceleration (ISA) Server 2000, Enterprise Edition **OR** **Exam SY0-101:** CompTIA Security+	**Course 2159:** Deploying and Managing Microsoft Internet Security and Acceleration Server 2000 (3 days) **OR** **Course 2810:** Fundamentals of Network Security (4 days)	*MCSE Training Kit: Microsoft Internet Security and Acceleration Server 2000* (ISBN 0-7356-1347-8) **OR** *Security+ Certification Training Kit* (ISBN 0-7356-1822-4)

MCSE: Security on Windows Server 2003

Core exams: five required
Security specialization exams: three required

EXAMS	MICROSOFT OFFICIAL LEARNING PRODUCTS	MICROSOFT PRESS BOOKS
Core Client exams one exam required		
Same Core Client exam requirements as above	See courses above	See Microsoft Press books above
Core Networking exams four exams required		
Exam 70-290:[3] Managing and Maintaining a Microsoft Windows Server 2003 Environment	**Course 2273:** Managing and Maintaining a Microsoft Windows Server 2003 Environment (5 days) **OR** **Course 2274:** Managing a Microsoft Windows Server 2003 Environment (5 days) **Course 2275:** Maintaining a Microsoft Windows Server 2003 Environment (3 days)	*MCSA/MCSE Self-Paced Training Kit: Managing and Maintaining a Microsoft Windows Server 2003 Environment (Exam 70-290)* (ISBN 0-7356-1437-7)[5]
Exam 70-291:[3] Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure	**Course 2276:** Implementing a Microsoft Windows Server 2003 Network Infrastructure: Network Hosts (2 days) **Course 2277:** Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure: Network Services (5 days)	*MCSA/MCSE Self-Paced Training Kit: Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure (Exam 70-291)* (ISBN 0-7356-1439-3)[5]
Exam 70-293:[4] Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure	**Course 2278:** Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure (5 days)	*MCSE Self-Paced Training Kit: Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure (Exam 70-293)* (ISBN 0-7356-1893-3)[5]
Exam 70-294:[4] Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure	**Course 2279:** Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure (5 days)	*MCSE Self-Paced Training Kit: Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure (Exam 70-294)* (ISBN 0-7356-1438-5)[5]
Security specialization exams three exams required		
Exam 70-298: Designing Security for a Microsoft Windows Server 2003 Network	**Course 2830:** Designing Security for Microsoft Networks (3 days)	*MCSE Self-Paced Training Kit: Designing Security for a Microsoft Windows Server 2003 Network (Exam 70-298)* (ISBN 0-7356-1969-7)
Exam 70-299: Implementing and Administering Security in a Microsoft Windows Server 2003 Network	**Course 2823:** Implementing and Administering Security in a Microsoft Windows Server 2003 Network (5 days)	*MCSA/MCSE Self-Paced Training Kit: Implementing and Administering Security in a Microsoft Windows Server 2003 Network (Exam 70-299)* (ISBN 0-7356-2061-X)
Exam 70-227 or Exam SY0-101: See titles above	See courses above	See Microsoft Press books above