

# Web Security School Lesson 1

## An insider's guide to Web server security



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[searchsecurity.com/WebSecuritySchool](http://searchsecurity.com/WebSecuritySchool)



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### Web Security School overview

- Lesson 1



Webcast: An insider's guide to Web server security  
\* Includes: Windows IIS Server hardening checklist  
Network configuration: IIS SMTP Mail Relay Service  
Essential vs. nonessential services

Article: Know your enemy: Why your Web site is at risk  
\* Includes: Checklist of known IIS vulnerabilities

Quiz: Test your knowledge of the materials covered in Lesson 1

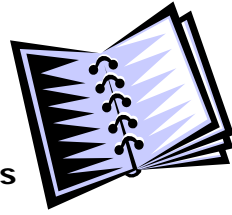
- Lesson 2: How to secure the network perimeter and defeat Web attacks
- Lesson 3: How to lock down Web apps and tools for testing online security

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## Today's agenda



- Secure installation prerequisites
- Component installation
- Hardening procedures
- Access control and security policies
- Securing other network services
- Secure remote management
- Recovery plans

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## Laying the foundations for a secure server

- Plan ahead
- Identify and assemble required installation prerequisites
- Install and configure components
- Harden the system
- Enable audit and recovery capabilities

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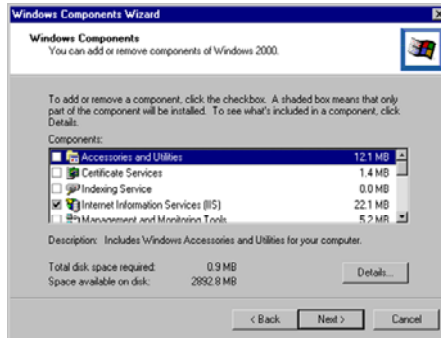
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## OS component installation

- X *Accessories and Utilities*
- X *Certificate Services*
- X *Indexing Service*
- X *Management and Monitoring Tools*
- X *Message Queuing Services*
- X *Networking Services*

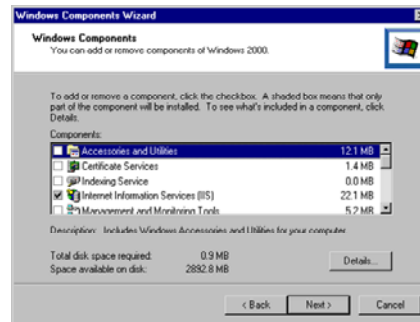


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## OS component installation

- X *Other Network File and Print Services*
- X *Remote Installation Services*
- X *Remote Storage*
- X *Script Debugger*
- ? *Terminal Services*
- X *Windows Media Services*
- ✓ *Internet Information Services*

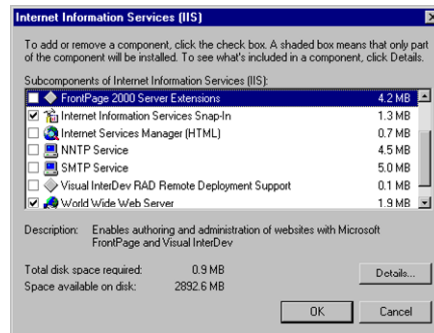


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## IIS component installation

- ✓ Common Files
- ✗ IIS documentation and help topics
- ✗ FrontPage 2000 Server Extensions
- ✓ Internet Information Services Snap-in
- ✓ World Wide Web Server

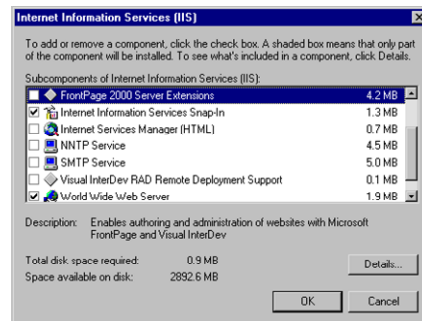


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## IIS component installation

- ✗ Internet Services Manager HTML
- ✗ File Transfer Protocol (FTP) Server
- ✗ NNTP Service Internet News server
- ✗ SMTP Service Simple Mail Transfer Protocol
- ✗ Visual InterDev RAD Remote Deployment



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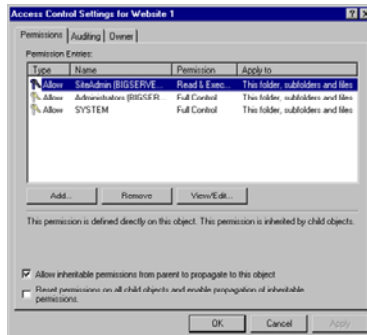






## Access control lists - Administration

- Remove unused accounts from the server
- Remove storage administration rights for the Everyone group
- Create a delegated Administration group for Web content
- Rename Administrator account and set a strong password



## Access control lists – Anonymous access

- Rename default Internet Guest account
- Remove default Internet Guest account rights from Local Security Policy
- Create a custom least-privileged Internet Guest account for anonymous access
- Set renamed Internet Guest account to Read Only access permissions



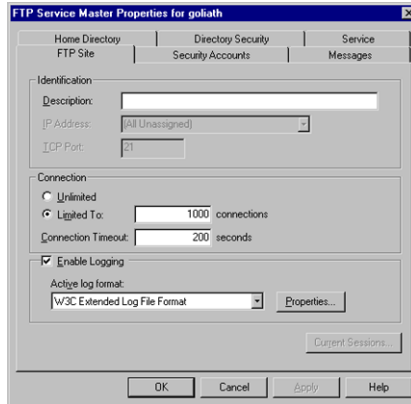
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## Securing other network services - FTP

- Limit connections
- Log FTP activity
- Configure account access
- Set logon message
- Configure directory location
- Configure folder and file permissions
- Configure access restrictions



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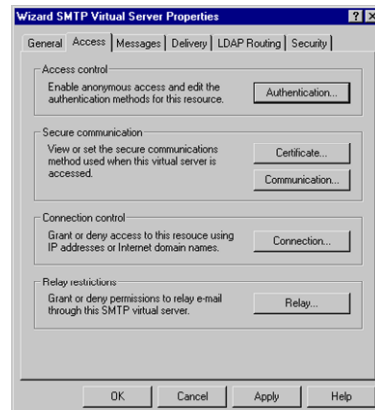
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## Securing other network services - SMTP

- Limit connections
- Configure access control
- Configure connection control
- Configure secure communications
- Configure relay restrictions
  - [www.mail-abuse.com/](http://www.mail-abuse.com/)
  - [www.unicom.com/sw/rlytest/](http://www.unicom.com/sw/rlytest/)



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## Next in Lesson 2

Webcast: Web attacks and how to defeat them

Article: Life at the edge: Securing the network perimeter

Quiz: Test your knowledge of the materials covered in Lesson 2

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