

Lab – Chapter 5 - Authentication

Objectives

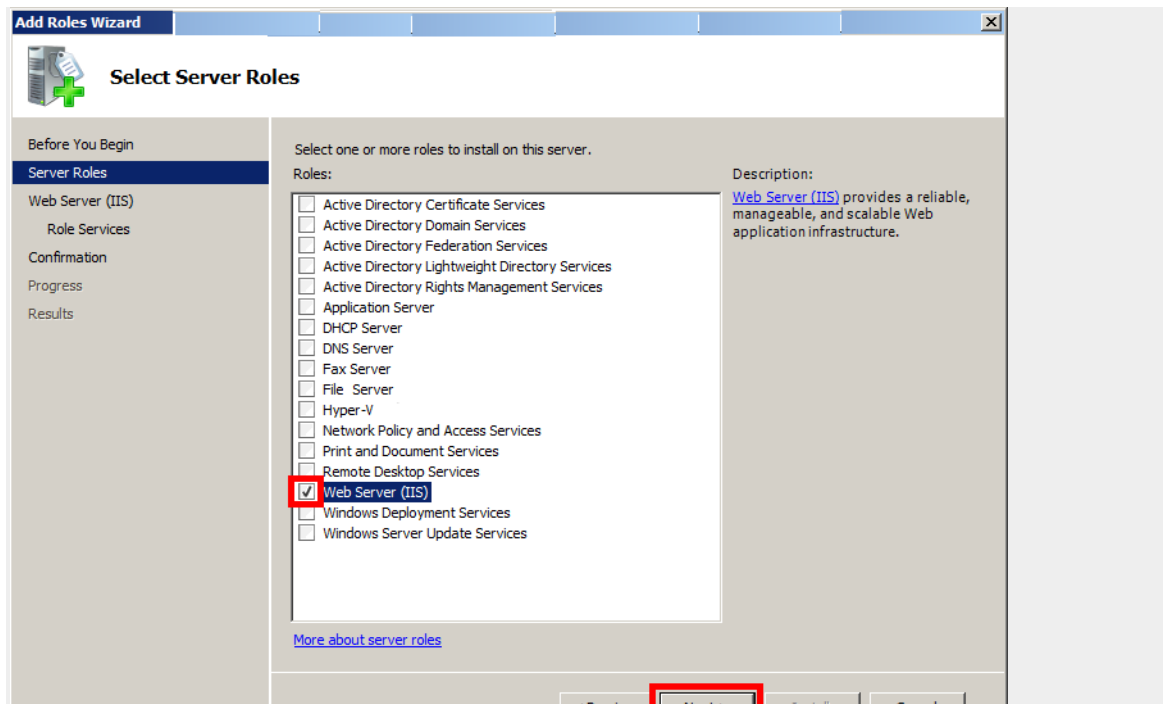
- Authentication on Windows and Linux:
 - Install and configure IIS in Windows and use authentication types
 - Install and configure Apache in Linux and use authentication types (digest and Basic)

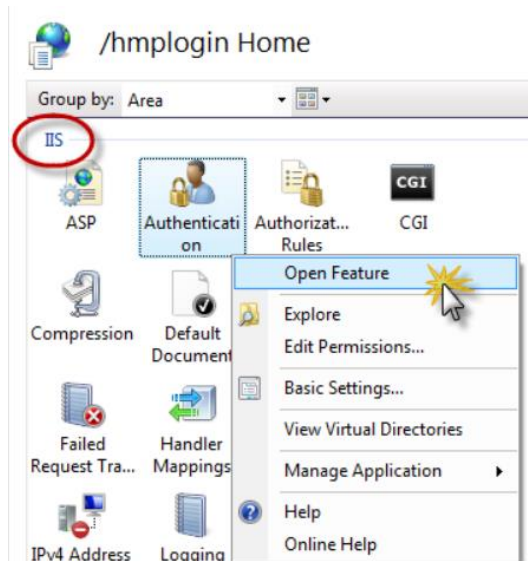
Install

- Install a Windows Server (2003/2008..)
 - Install IIS

Start Menu \ Server Manager (hoặc có thể chọn ở : Start Menu – Administrative Tools – Server Manager).

- Trong “Roles” chọn “Add Roles” . Click chọn “Web Server (IIS)” ở mục Roles. Chọn “Next”.

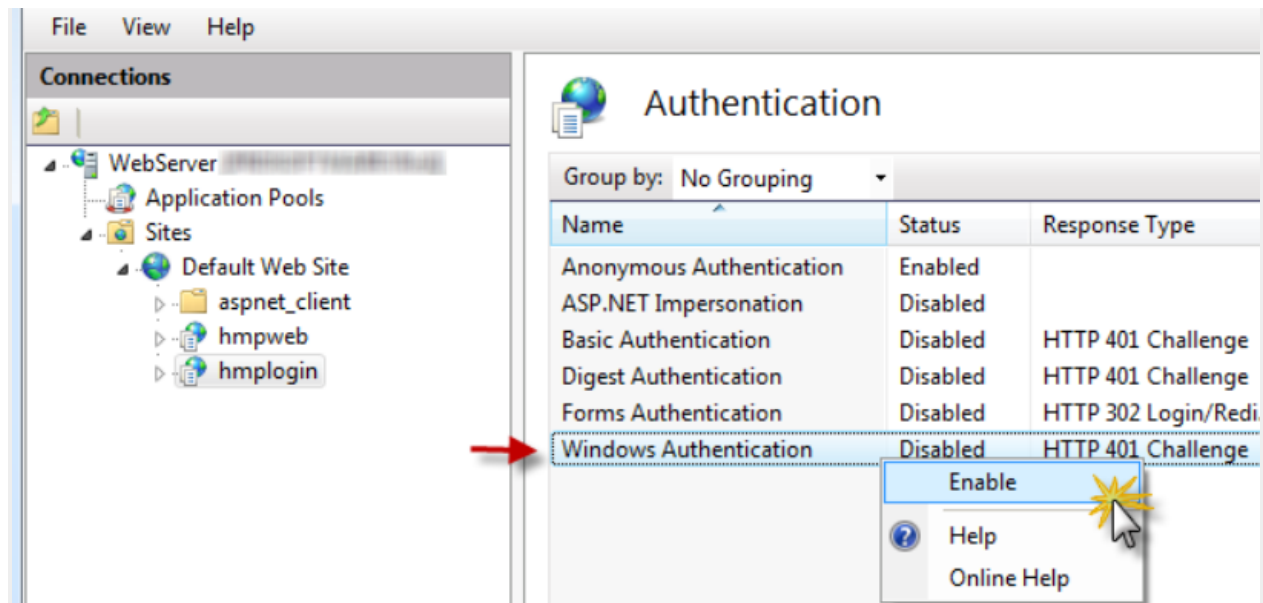




- Install a Linux distro (Ubuntu/ CentOS)
 - Install Apache

Use authentication types

- ❖ Windows Server (2003/2008..)
- ❖ Support authentication types:
 - [Anonymous Authentication](#): ko dùng username/pass
 - [Basic Authentication](#): Có dùng username/pass (plaintext)
 - [Digest Authentication](#): u/p có mã hóa
 - [Windows Authentication](#): Dùng kỹ thuật băm (NTLM or Kerberos protocols) để xác nhận thông tin của users. (same domain)
 - [Forms Authentication](#)
 - Cho phép user logon vào một form (html logon page) để chứng thực
 - [ASP.NET Impersonation Authentication](#)
 - Có thể dùng ứng dụng ASP.NET dưới tư bảo mật khác với bảo mật mặc định của ASP.NET
- ❖ Create 1 Web Site in IIS
 - Input information:
 - host header name,
 - địa chỉ IP và
 - số hiệu cổng Port.



How to configure Authentication in IIS

1. Start IIS Manager or open the IIS snap-in.
2. Expand **Server_name**, where **Server_name** is the name of the server, and then expand **Web Sites**.
3. In the console tree, right-click the Web site, virtual directory, or file for which you want to configure authentication, and then click **Properties**.
4. Click the **Directory Security** or **File Security** tab (as appropriate), and then under **Anonymous and access control**, click **Edit**.
5. Click to select the check box next to the authentication method or methods that you want to use, and then click **OK**.

The authentication methods that are set by default are **Anonymous access** and **Integrated Windows authentication**

❖ Requirement: Set authentication following types

- **Anonymous access**
- **Basic authentication (password is sent in clear text)**
- **Digest authentication for Windows domain servers**
- **Integrated Windows authentication**

❖ Test: login to website and check authentication types

← → ↻ 🌐 192.168.1.1

