

Step 1: Install IIS on Your Windows Machine

1. **Open Control Panel:**
 - Search for "Control Panel" in the Start menu and open it.
2. **Programs and Features:**
 - Click on **Programs** and then **Turn Windows features on or off**.
3. **Enable IIS:**
 - In the Windows Features dialog, find **Internet Information Services** and check the box.
 - Expand **Internet Information Services** and select any additional features you may need (e.g., **Web Management Tools**, **World Wide Web Services**, etc.).
 - Click **OK** and wait for Windows to install IIS.
4. **Verify IIS Installation:**
 - Open a web browser and navigate to <http://localhost>. If IIS is installed correctly, you should see the default IIS welcome page.

Step 2: Prepare Your Website Files

1. **Create Your Website Folder:**
 - Navigate to a directory where you want to host your website (e.g., `C:\inetpub\wwwroot\YourWebsite`).
 - Place all your website files (HTML, CSS, JavaScript, images, etc.) into this folder.

Step 3: Configure Your Website in IIS

1. **Open IIS Manager:**
 - Search for "IIS" or "Internet Information Services (IIS) Manager" in the Start menu and open it.
2. **Add a New Website:**
 - In the left pane, right-click on **Sites** and choose **Add Website**.
3. **Fill Out Website Information:**
 - **Site Name:** Enter a name for your website (e.g., MyWebsite).
 - **Physical Path:** Browse to the folder where your website files are stored (e.g., `C:\inetpub\wwwroot\YourWebsite`).
 - **Binding:** Configure the binding settings:
 - **Type:** Choose http.
 - **IP Address:** Leave it as All Unassigned for local development.
 - **Port:** Default is 80, but you can change it if needed.
 - **Host Name:** Leave it blank for local testing.
 - Click **OK** to create the website.

Step 4: Configure Permissions

1. **Set Folder Permissions:**
 - Navigate to the folder where your website files are stored.
 - Right-click the folder and select **Properties**.

- Go to the **Security** tab and ensure that the **IUSR** (Internet Guest Account) has **Read** and **Execute** permissions.

Step 5: Test Your Website

1. Access the Website:

- Open a web browser and navigate to `http://localhost` or `http://localhost:YourPort` if you set a different port.
- Your website should load and display as expected.

Step 6: Troubleshooting

- **Website Doesn't Load:**
 - Ensure that the website is running in IIS (check in IIS Manager).
 - Check for errors in your website files or missing dependencies.
- **Firewall Issues:**
 - If you're accessing it from another machine on your local network, ensure that the Windows Firewall allows traffic through the port you used (80 or whatever you configured).

Additional Configuration

- **Use a Custom Domain Name:** If you want to access your site using a custom domain name (like `http://mywebsite.local`):
 - Edit the hosts file on your machine (`C:\Windows\System32\drivers\etc\hosts`) and add a line like `127.0.0.1 mywebsite.local`.
 - In IIS, update the **Host Name** in the site bindings to `mywebsite.local`.