

```
Extra, function  
y for outerHeight, outerWidth  
Name ] = function( margin, value ) {  
ble = arguments.length && ( defaultExtra || typeof margin !== 'undefined'  
= defaultExtra || ( margin === true || value === true ? "margin" : "padding"  
ccess( this, function( elem, type, value ) {  
doc;  
( jQuery.isWindow( elem ) ) {  
// $( window ).outerWidth/Height return w/h including scrollbar widths  
return functionName.indexOf( "outer" ) === 0 ?  
elem[ "inner" + name ] :  
elem.document.documentElement[ "client" + name ];  
}  
// Get document width or height  
if ( elem.nodeType === 9 ) {  
doc = elem.documentElement;  
// Either scroll[Width/Height] or offset[Width/Height] or client[Width/Height]  
// whichever is greatest  
return Math.max( doc.body[ "scroll" + name ], doc[ "scroll" + name ],  
doc.body[ "offset" + name ], doc[ "offset" + name ],  
doc.body[ "client" + name ], doc[ "client" + name ] );  
}
```

# Deploy Web Project Using IIS



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### Requirements of IIS 10.0

|  Windows 10                   |  Windows Server 2016 |
|--|---|
| <ul style="list-style-type: none"> <li>• Processor/SoC: 1 GHz</li> </ul>                                       | <ul style="list-style-type: none"> <li>• Processor: 1.4GHz 64 bit</li> </ul>                          |
| <ul style="list-style-type: none"> <li>• RAM: 1 GB for 32-bit or 2 GB for 64-bit OSes</li> </ul>               | <ul style="list-style-type: none"> <li>• RAM: 2 GB for 64-bit OSes</li> </ul>                         |
| <ul style="list-style-type: none"> <li>• Hard disk space: 16 GB for 32-bit or 20 GB for 64-bit OSes</li> </ul> | <ul style="list-style-type: none"> <li>• Hard disk space: 32 GB</li> </ul>                            |
| <ul style="list-style-type: none"> <li>• Graphics card: DirectX 9 with the WDDM 1.0 driver</li> </ul>          |   |

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## Publish Website on IIS Locally

### Hosting A Static Web Page

To host a static web page using IIS:

1. Create an HTML file and name it an index.html
2. Then open IIS manager
3. Select the option Default Web Site
4. Right-click on it, you will find more options
5. Now, go back to the IIS manager
6. Select the Default Web Site from the left-hand side of IIS Manager
7. Then click on Default Document
8. Find a list of filenames and extensions available
9. These files exist by default
10. Custom files can be added to get listed here
11. Then start server from the settings from IIS Manager
12. Now, go to the URL <http://localhost/>
13. Page is deployed in the local server using IIS

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5. From the Application Pool Tasks highlighted in the right-hand side, from those options you can start, stop and recycle the services of IIS 10.0.
6. Open Server Manager on Windows Server 2016.
7. Click on the Tools menu and open IIS Manager.
8. Expand the IIS Server then you will get the listed Application Pools, and thus we have created 2and3.5AppPool, Asp.net, and DefaultAppPool.
9. Add more application pools Actions panel and we can set one of them as the default.
10. Select the 2and3.5AppPool, then you will see the Actions pane with a list of available properties, in which you can make some changes if needed.
11. Now from the Actions panel, you can find Edit Application Pool options.
12. With the help of Application Pool Tasks, we can start, stop, and recycle.
13. Go to the basic properties of the application pool, click on Basic Settings from Edit Application Pool and you'll see a popup.
14. In Basic Settings, you will have quick settings to change limited number of things.
15. Can also change the .NET framework version to framework v4.0 or framework v3.5.
16. Can also change the Managed pipeline mode to Integrated or Classic and we can check or uncheck the auto-start option.
17. Then we need to come Advanced Settings which has more options to customise the pool.
18. Lastly, after clicking on Advanced Settings, a screen will open.
19. Rapid-Fail Protection will be generally used for failover.
20. Setup the failover server and its configuration.
21. To refresh the application pool overlap you can use Recycling, we will set a default recycling value.
22. We will add more specific settings through the Recycling settings and you will click on Recycling.
23. Recycling will be based on conditions with virtual memory usage, specific time, regular time intervals



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## Hosting .NET Web Page

The steps for hosting .NET web pages:

1. Upload the web page to the default **www.root** directory.
2. It needs a v4.0 app to be installed on IIS 10.0 server and our v4.0 .NET page should be ready.
3. It may need to install some IIS components which are not already installed.
4. Open IIS manager on Windows Server 2016, click on **Manage** menu, then click on **Add Roles and features**.
5. Click **Next**, you get **Select server roles** wizard, then follow exact route highlighted in the figure.
6. First expand the **Application Development** then you have to select **.NET Extensibility 3.5**, **.NET Extensibility 4.6**, **ASP**, **ASP.NET 3.5**, **ASP.NET 4.6**, **ISAPI Extensions**, and **ISAPI Filters**.
7. Then click on **Next** to finish.
8. Now you can upload .NET framework web pages we have created for demo purposes.
9. From IIS Manager, click on **Default Web Site**, then you will find the screen.
10. You need to click on **Basic Settings**, available in **Actions** pane.
11. After that we need to check the version of application pool which is associated with default website.
12. Then we need to select the **DefaultAppPool**.
13. After clicking on the **Select** button, you will find a screen shown in the next figure.
14. Need to select **DefaultAppPool** from the drop-down and click on **OK** button to finish the pool section.

15. Then, need to right-click on **Default Web Site**, click on **Explore**, at the top-right corner.
16. It will be called by the context menu **Default Web Site** in the left-hand panel.
17. After that, you will get **www.root** directory and where you need to upload .NET web files.
18. Lastly, we have built ASP.NET v4.0 file.
19. Then you need to paste **www.root**.
20. After uploading the .NET app files, we will test the application.

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## Hosting Different Versions of .NET Web Page

### The steps for hosting different versions of .NET web pages

1. To host different versions of .NET web sites we need to open IIS Manager.
2. Then we need to click on **Default Web Site**.
3. Thus, in the **Actions** pane; click on **Basic Settings**, and click on **Select** button.
4. Application window will get popup, then click on **Application Pool**.
5. From the drop-down menu, select **2and3.5AppPool** under pools, and click **OK** to finish the step.
6. From the site properties, you will find v2.0 application pool associated with **Default Web Site**.
7. Then right-click on **Default Web Site**, click **Explore** then we find **www.root** directory.
8. Then we have to upload the v3.5 .NET web files.
9. We have uploaded v3.5 files to **www.root** directory.
10. We need to test the v4.0 application.
11. Open Internet Explorer or any browser then enter the URL <http://localhost/> and press enter.



