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Install IIS on Windows 2012

1. Open **Server Manager** and select **Add roles and features**.
2. In the Add Roles and Features Wizard, for the Installation Type, select **Role-based or feature-based installation**.
3. For Server Selection, ensure the correct server is selected and click **Next**.
4. For Server Roles, select Web Server (IIS).
5. For Web Server Role (IIS), Role Services, some Role Services are selected by Windows.
6. Scroll down and select **Application Development**.
7. Expand the Application Development folder and select all the components. (Click the arrow to expand the folder).
Note: If Application Development is not installed, the above 404.3 error will occur when launching Web Deployment.
8. Scroll down and select **IIS 6 Management Compatibility**.
9. Ensure to select all the sub-components for IIS 6 Management Compatibility. (Click the arrow to expand the IIS 6 Management Compatibility folder).
Note: The above error message may occur if IIS 6 Management Compatibility is not selected or if running Web Deployment Wizard with a Windows User other than Administrator. Launch the Web Deployment Manager with the Run As Administrator option.
10. At the Confirmation screen, review the role services and click **Install**.
11. Restart the server when prompted.
Install Sage 300 ERP

1. Install Sage 300 ERP as Administrator or member of the Administrator Group. If you are not an administrator, it might ask you for the administrator password to continue with the installation.

2. Determine where Programs and Shared Data Directory should be. The default directory for Programs and Shared Data is C:\Program Files (x86)\Sage Software\Sage Accpac.

   We recommend changing the Programs and Shared Data to a different location.

   Example:  C:\Sage300
             C:\300SharedData

   We are trying to avoid installing under the c:\Program Files. Regular users only have read-only rights to c:\Program Files and all sub folders under that. A regular user cannot see or access Sage 300 ERP databases created by administrator or other users.

3. Run regacc.exe utility as administrator after Sage 300 ERP has successfully installed.

   To run regacc.exe,
   
   i. Go to the Sage 300 ERP\Runtime program folder.
   
   ii. Right-click on the regacc.exe file, select “Run as Administrator”.
Create Web Deployment User

1. In Server Manager, go to Tools menu, select Computer Management.

2. Go to System Tools, Local Users and Groups, Users.
3. Right-click Users folder and select **New User**.

4. Create a local user **WebUser**. If you are on a domain network then this user should be a domain user **WebUser**.
5. Select **Password never expires** and click **OK**.
Note: Please consult with your Company Network Administrator regarding any changes being made to the network users.
6. Assign the new **WebUser** user to the following groups:

7. Give the **WebUser** user full security and sharing permissions to the following folders:
   - C:\Sage300
   - C:\300SharedData

   To assign permissions to the folder,
   i. Right click on the folder.
   ii. Click **Properties**.
   iii. Assign permissions under the **Security and Sharing** tab.
Sage 300 ERP Services

Assign WebUser to the Sage 300 ERP Services.

1. In Server Manager, go to the Tools menu and select Services.
2. Right click **Sage 300 ERP .Net Remoting Service** and select **Properties**.
3. Click the **Log On** tab.

4. Select **This account** then click **Browse**.
5. Enter the **WebUser** user and click **Check Names**.

6. After the username is confirmed, click **OK**.
7. Enter the password and click **Apply**.

![Sage 300 ERP .NET Remoting Service Properties (Local Computer)](image)

8. Restart the Sage 300 ERP .NET Remoting Service.

![Services](image)

**Note:** If the service does not restart, reboot the server and start the service.
Web Deployment Manager

1. Install **Sage 300 ERP.NET Libraries** and **Web-Deployment Files** from the Sage 300 ERP installation.
2. Once the .Net Libraries and Web Deployment files have been installed, at the Start screen, open **Web Deployment Manager**.
3. Read the information on the Welcome page, then click **Next**.
4. Step 1: Select Remoting Channel

Choose how the Sage 300 ERP server will communicate with browser clients.

You can select:

- Microsoft .NET Framework Remoting (recommended)

Or

- Distributed COM (DCOM) Remoting (If you select this option, skip Steps 2 and 3).

**Microsoft .NET Remoting**

The Sage 300 ERP .NET Libraries provides a set of Microsoft .NET-based interfaces for System Manager.

Once installed, Web-deployed servers can make use of .NET Remoting to communicate with client machines through a predefined set of network ports. These ports can be easily configured to work with software and hardware firewalls.
Distributed COM (DCOM) Remoting
DCOM is an older technology that allows COM-based components to access remote servers. DCOM works well on networks without firewalls, but requires extra configuration when communications between client and server machines pass through a firewall.

5. Step 2: Configure .NET Remoting Parameters

Specify the .NET Remoting parameters, as follows:

**Port Range:** Communication between client machines and the server occur through a predefined port range. The default port range is between 9000-9180, but may need to be adjusted if other programs use ports within that range. The network administrator should be consulted to determine the appropriate port range.

A port is used by
- Sage 300 ERP .NET Remoting Service
- Each user signed on to the web-based Sage 300 desktop
- Each application screen that is launched by the user

Once all ports have been used, users will no longer be able to open 300 ERP windows until additional ports have been freed. If the Sage 300 Server is to be deployed through a firewall, the port range specified must be open on the firewall. Contact your network administrator for
assistance on the firewall. There is also a Sage 300 utility available from our online Knowledge Base (solution ID 26903) that could be used to open ports on Windows Firewall.

**Enhanced Security:** If this box is checked, the user must provide the appropriate windows network credentials to log into the system. If this box is NOT checked, the user only needs to log into Sage 300 ERP by providing the appropriate Sage 300 credentials.

**Encrypt Network Data:** Selecting this option will encrypt all data transferred between the client machines and the server. Note that data encryption is a processor intensive process, and for performance reasons, it is recommended that this option be enabled only if all client workstations accessing the server have a processor speed greater than 1 GHz.

6. **Step 3: Configure .NET Desktop Parameters**
7. Step 4: Configure Component Services

On the server, the Sage 300 ERP server components must be installed into Windows Component Services. The server components generate the Web pages that users see in their Web Desktop. All components in there must run under one Identity.

**Username:** Enter the user name added earlier (WebUser in our earlier example). As discussed earlier, the user specified must have administrative rights on the local machine so it can access the Sage 300 directories on the web server and registry. For domain users, make sure to enter the username in the format of: Domain_Name\User_name

**Password:** Enter the password assigned to the username specified above. As discussed earlier, when a user accesses Sage 300 through a browser, the web server will utilize the rights assigned to the user specified here. The user accessing Sage 300 however, never actually has any knowledge of the “automatic” sign-on.
8. **Step 5: Configure Internet Information Server**

![Configure Internet Information Server dialog](image)

**Virtual directory name:** Enter the virtual directory that will be created under the server’s default web site to serve the Sage 300 ERP Web Application. For example, entering SAGE300ERPDesktop (as shown) indicates that the URL being entered by Sage 300 web users would be `http://<server name>/SAGE300ERPDesktop` (where `<server name>` would be replaced with the name of your server).

**Server name:** Enter the name of the web server.

**Note:** If a domain name for the network has been registered, then the above server name would be a fully qualified domain name such as: `csvm-2k8r2-dt2.sage.com`
9. The last step displays a summary of the options selected on the previous screens. Click **Next**, then **Finish**.
10. The wizard will finish and display the Configuration Manager screen, which shows a summary of the options selected in the previous steps.
Authentication & Permissions

1. Open Internet Information Services (IIS) Manager and navigate to SAGE300ERPDesktop.

2. In the Features View, double-click Authentication.
3. On the Authentication page, select **Anonymous Authentication**.

4. In the Actions pane, click **Edit** to set the security principal under which anonymous users will connect to the site.

5. Select **Specific user** then click **Set**.

6. Enter the User name, **WebUser**, (for domain users, enter Domain_name\User_name) and password. Then click **OK**.
7. Click **OK** to close the **Edit Anonymous Authentication Credentials** dialogue box.

![Edit Anonymous Authentication Credentials dialog](image)
IIS Configuration

Enable 32-bit version of ASP.NET 2.0

1. Open Internet Information Services (IIS) Manager.
2. In the Connections pane, expand the server node and click Application Pools.
4. In the Actions pane, select Advanced Settings.
5. Under General, in the drop down list for Enable 32-Bit Application select the value True.
6. Click OK.
7. Reset IIS.
   i. Press the Windows logo key + R to open the Run dialog box.
   ii. Type iisreset and press Enter.
IIS ISAPI and CGI Restrictions

1. In Internet Information Services (IIS) Manager.

2. Highlight the server machine and double-click **ISAPI and CGI Restrictions**.
3. Double-click **Active Server Pages** and select **Allow extension path to execute**.

![Edit ISAPI or CGI Restriction dialog box](image)
IIS Application Pool

Create a Sage 300 ERP Web Deployment Application Pool.

1. In Internet Information Services (IIS) Manager.

2. Select Application Pools, right-click and select Add Application Pool and enter the following,

   - Name: Sage 300 ERP Web
   - .NET Framework version: v2.0.50727
   - Managed pipeline mode: Classic
   - Select Start application pool immediately

3. Click OK.
Assign the Application Pool to Sage 300 ERP Web

1. In Internet Information Services (IIS) Manager.

2. Select SAGE300ERPDesktop in the Default Web Site.

3. In the Actions pane, select Advanced Settings.


5. Click OK to close the Application Pool window.

6. Click OK to close the Advanced Settings window.
Advanced Settings for IIS Application Pool

1. In Internet Information Services (IIS) Manager, go to Application Pools.
2. Select Sage 300 ERP Web.
3. In the Actions pane, select Advanced Settings.
4. Under General, in the drop down list for Enable 32-Bit Application select the value True.
5. In the Managed Pipeline Mode field, select Classic.

6. Click OK.

7. Reset IIS (Press the Windows logo key + R, type iisreset, then press Enter).