

Project Cost Web Suite Install Guide (Angular)

Table of Contents

1. Introduction	2
2. Prerequisite Software and Settings	3
2.1. Microsoft .NET Framework 4.7+	3
2.2. Internet Information Services (IIS)	3
2.3. IIS URL Rewrite Module	4
2.4. Microsoft .NET Core Hosting Bundle 2.2.2+	5
2.5. SQL Server services and protocol setup	6
2.6. Active Directory Setup for Single Sign-On	8
3. Download Software	11
4. New Install of Project Cost Web Suite	12
4.1. Create Application Pools	12
4.2. Install	14
4.2.1. Option 1: Install as a stand-alone site	14
4.2.2. Option 2: Install as a child of another site	18
5. Upgrade Project Cost Web Suite	23
5.1. Option 1: Upgrade stand-alone site	23
5.2. Option 2: Upgrade child of another site	26
6. Setup and Configure Project Cost Web Suite	30
6.1. SQL Settings	31
6.2. Logo	32
6.3. Advanced	32
6.4. IIS Info	34
7. Appendix	36
7.1. Blocked downloads	36
7.2. Standard Blocked Attachment Types	37

1. Introduction

The Angular version of the Project Cost Web Suite is designed to work with Project Cost version 16.3 and newer.

Angular is a web application framework developed by Google for creating modern web apps. A web app developed using the Angular framework will run in any modern browser, including Google Chrome, Microsoft Edge, Mozilla Firefox, Safari, etc.

Note: Microsoft Internet Explorer (IE) is not supported.

2. Prerequisite Software and Settings

Before you can install the Project Cost Web Suite software, you must complete the installation of Microsoft Dynamics GP and Project Cost.

Project Cost is dependent on users having specific features setup in Dynamics GP. Please review the PC Basic Setup Requirements for Project Cost that is included with the Project Cost software.

2.1. Microsoft .NET Framework 4.7+

Version 4.7 or newer of the Microsoft .NET Framework is required on the server that is hosting the Project Cost Web Suite (Angular).

Download this from Microsoft's download site.

<https://dotnet.microsoft.com/en-us/download/dotnet>

Each version of Windows has different installation and setup procedures – You should work with you IT staff for the best options to be selected for your business operations.

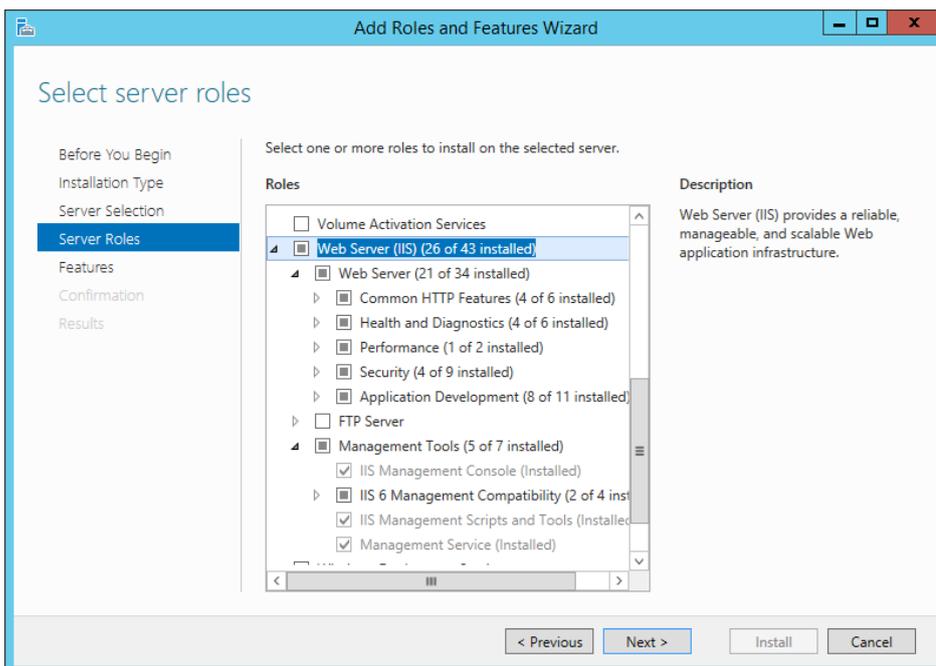
2.2. Internet Information Services (IIS)

Internet Information Services (IIS) is required on the server that is hosting the Project Cost Web Suite (Angular).

Each version of Windows has different installation and setup procedures – You should work with you IT staff for the best options to be selected for your business operations.

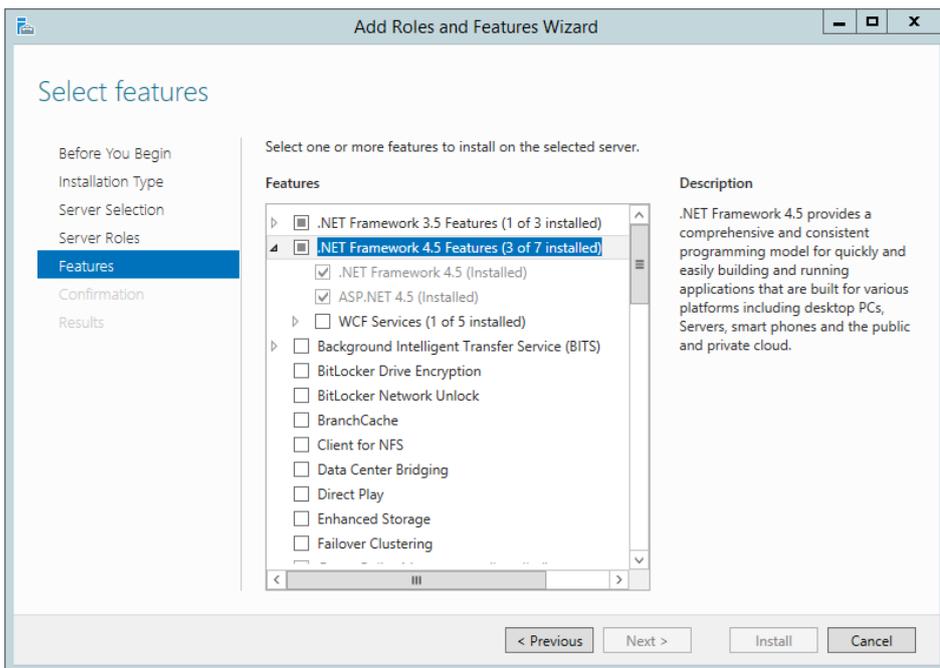
Below are the IIS Roles and Role Services options available to activate in IIS. We have listed the options needed by the Project Cost Web Suite (Angular). Additional instructions and resources are available to assist in configuration and deployment of IIS for Project Cost - contact your GP partner or our office for assistance.

Server Roles



Required Server Roles	Notes
Web Server (IIS) / Web Server / Common HTTP Features	
Default Document HTTP Errors Static Content	
Web Server (IIS) / Web Server / Health and Diagnostics	
Tracing	
Web Server (IIS) / Web Server / Security	
Request Filtering Windows Authentication	
	If using Single Sign-On
Web Server (IIS) / Web Server / Application Development	
.NET Extensibility 4.x ASP.NET 4.x ISAPI Extensions ISAPI Filters	
Web Server (IIS) / Management Tools	
IIS Management Console	

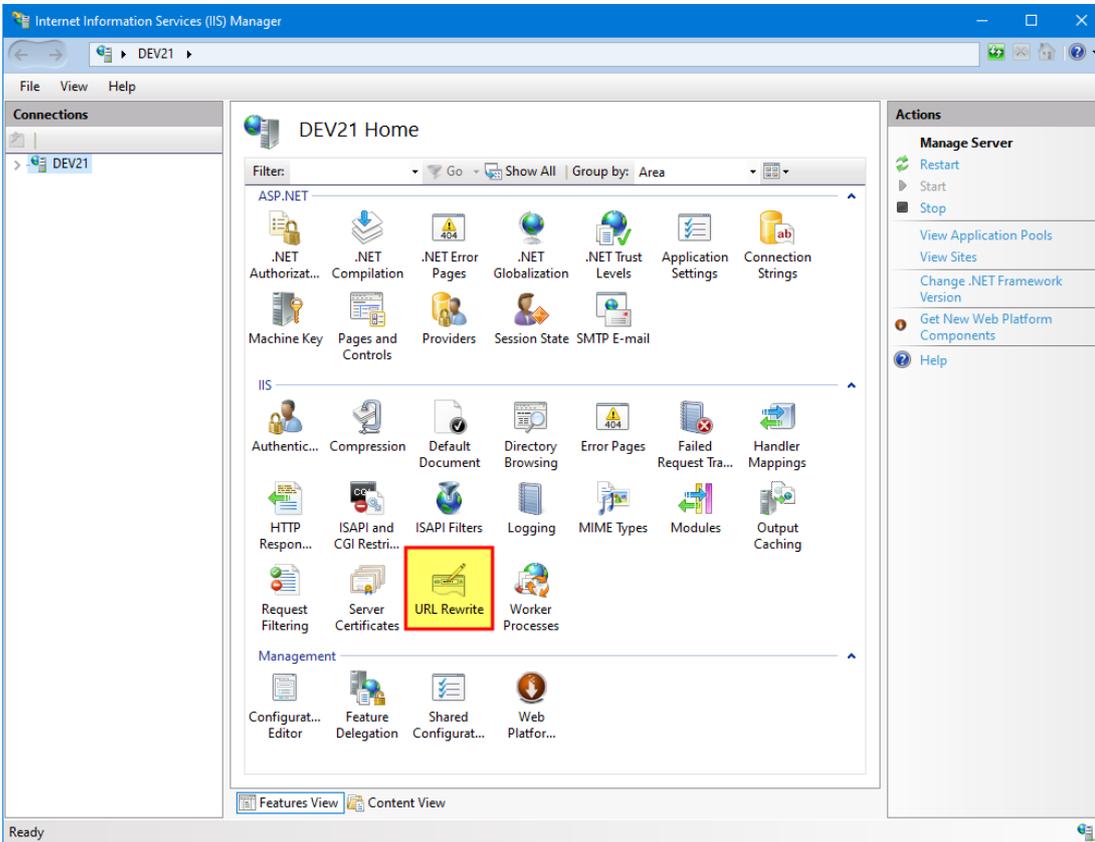
Server Features



Required Server Features	Notes
.NET Framework 4.x Features	
.NET Framework 4.x ASP.NET 4.x	

2.3. IIS URL Rewrite Module

The Project Cost Web Suite (Angular) requires installation of URL Rewrite module in Internet Information Services (IIS).



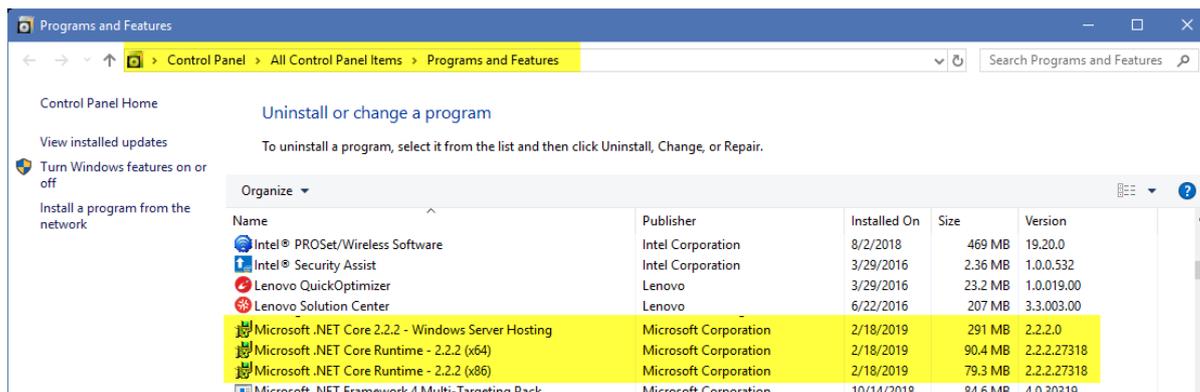
If you do not see URL Rewrite in the Internet Information Services (IIS) Manager, install from:

<https://www.iis.net/downloads/microsoft/url-rewrite>

2.4. Microsoft .NET Core Hosting Bundle 2.2.2+

The Project Cost Web Suite requires the .NET Core Hosting Bundle 2.2.2 or greater but less than 3.0.0 installed on the IIS server.

You can check if the .NET Core is installed on the IIS server by looking for the programs in the Programs and Features window from Control Panel.



If these components are not installed they may be downloaded from the following link:

<https://dotnet.microsoft.com/en-us/download/dotnet/2.2>

After loading the .NET Core components you will likely need to restart IIS.

You can do this from the Command line with the following commands.

Note: You should run **CMD.EXE** as Administrator.

To stop IIS:

net stop was /y

```
Administrator: C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.17134.590]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>net stop was /y
The following services are dependent on the Windows Process Activation Service service.
Stopping the Windows Process Activation Service service will also stop these services.

World Wide Web Publishing Service
Net.Tcp Listener Adapter
Net.Pipe Listener Adapter
Net.Msmq Listener Adapter

The World Wide Web Publishing Service service is stopping.
The World Wide Web Publishing Service service was stopped successfully.

The Net.Tcp Listener Adapter service is stopping.
The Net.Tcp Listener Adapter service was stopped successfully.

The Net.Pipe Listener Adapter service is stopping.
The Net.Pipe Listener Adapter service was stopped successfully.

The Net.Msmq Listener Adapter service is stopping.
The Net.Msmq Listener Adapter service was stopped successfully.

The Windows Process Activation Service service is stopping.
The Windows Process Activation Service service was stopped successfully.
```

To restart IIS:

net start w3svc

```
Administrator: C:\Windows\System32\cmd.exe

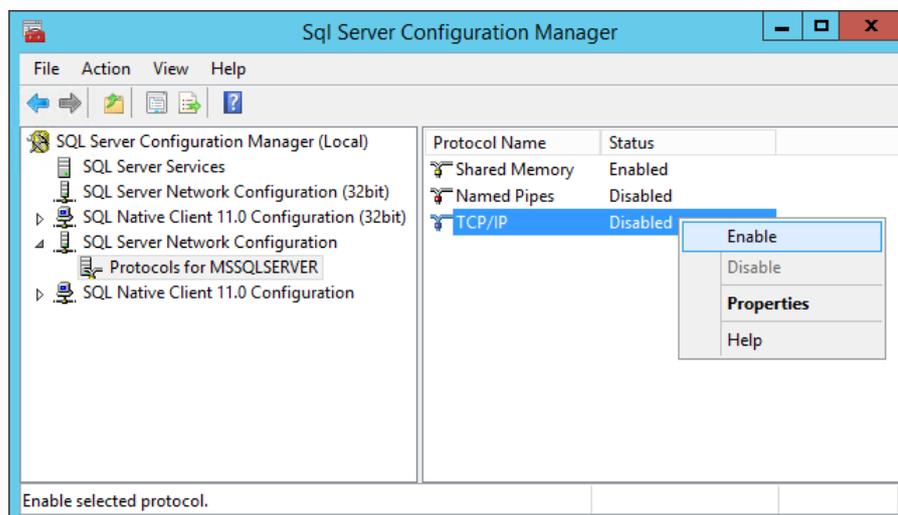
C:\WINDOWS\system32>net start w3svc
The World Wide Web Publishing Service service is starting.
The World Wide Web Publishing Service service was started successfully.

C:\WINDOWS\system32>_
```

2.5. SQL Server services and protocol setup

Project Cost requires that the SQL Server Networks Configuration Settings be set to allow TCP/IP connections.

In the SQL Server Configuration Manager window (on the server hosting SQL Server) – expand SQL Server Network Configuration

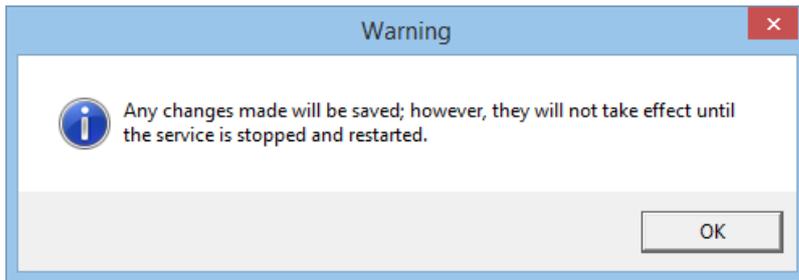


Click on Protocols for [your SQL Server name].

Note: your server may have more than one instance of SQL.

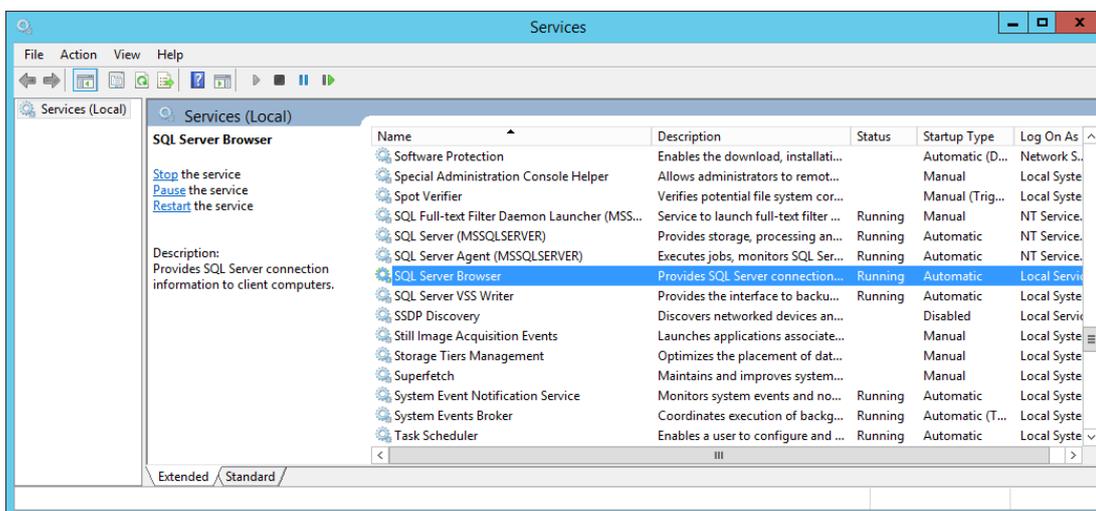
If TCP/IP Status is Disabled, right click on the TCP/IP, select Enable.

Restart SQL Server to apply the setting change.

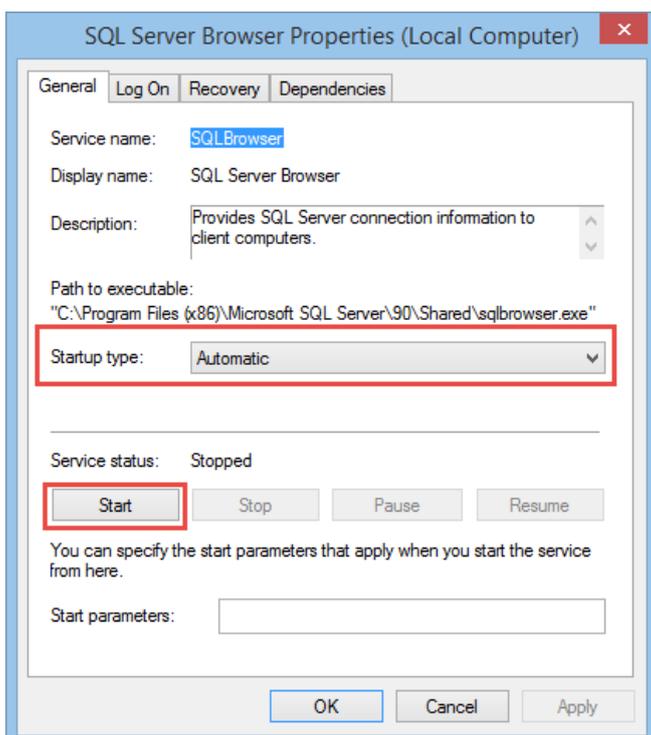


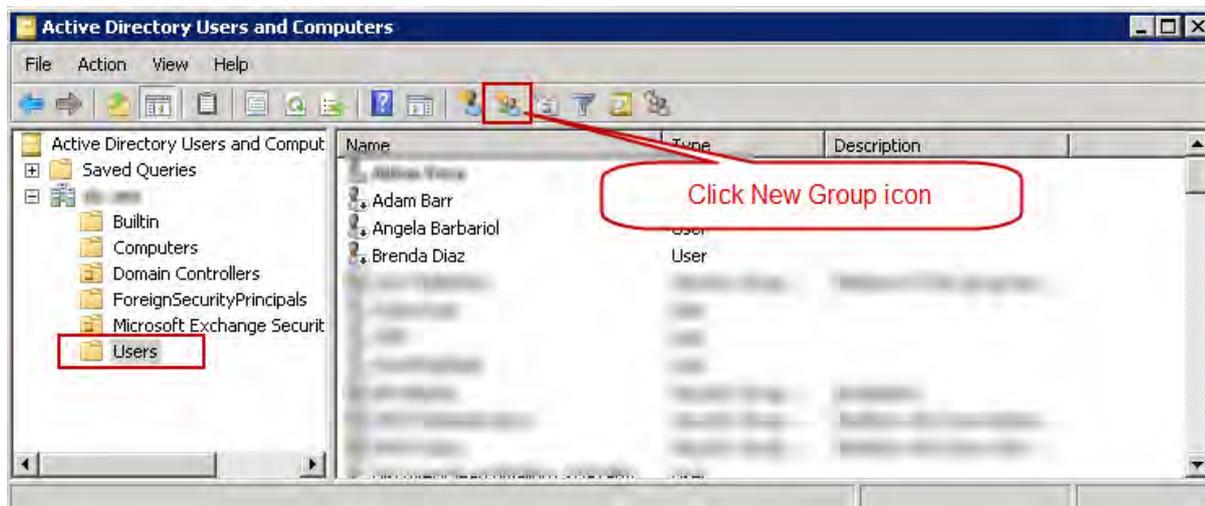
SQL Server Browser service must be running:

Start → Control Panel → Administrative Tools → Services

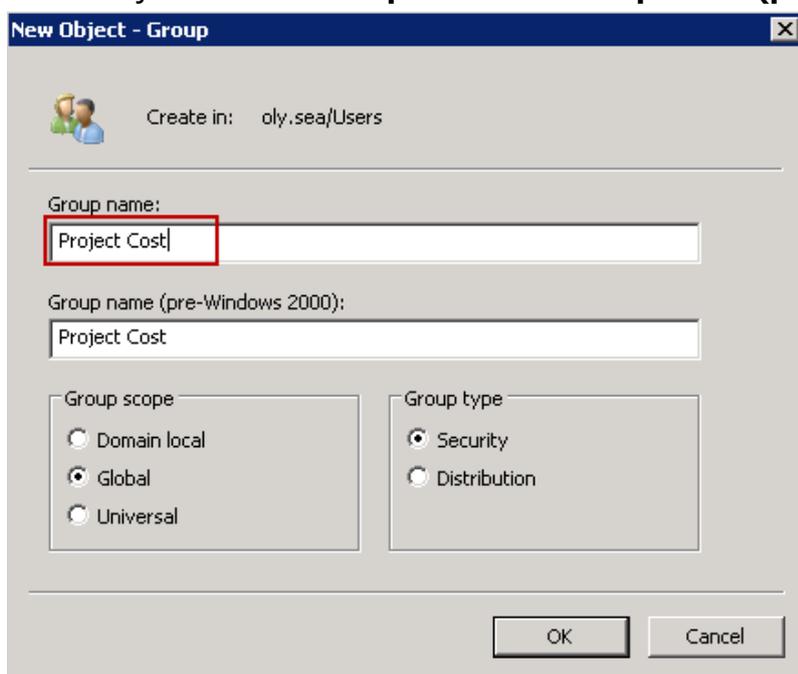


Verify "SQL Server Browser" Status is "Running" and Startup Type is "Automatic", if not, right-click **SQL Server Browser** select **Properties**.





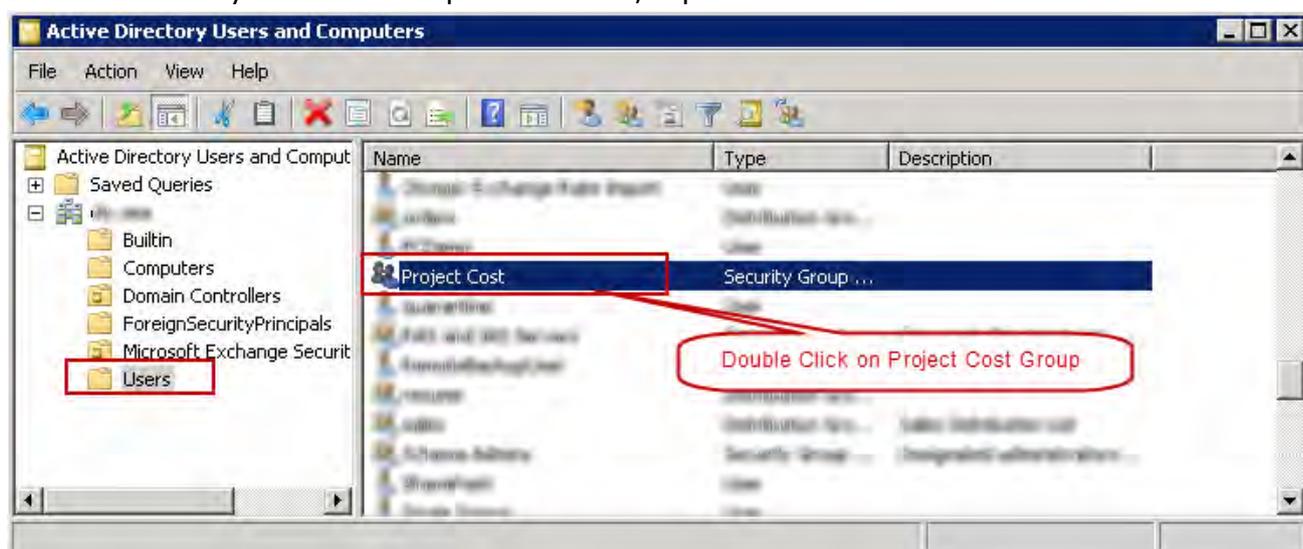
4. Click **New**, and then **Group**.
5. Enter "Project Cost" for **Group Name** and **Group Name (pre-Windows 2000)**



6. Select "Global" for **Group scope** and "Security" for **Group type**.

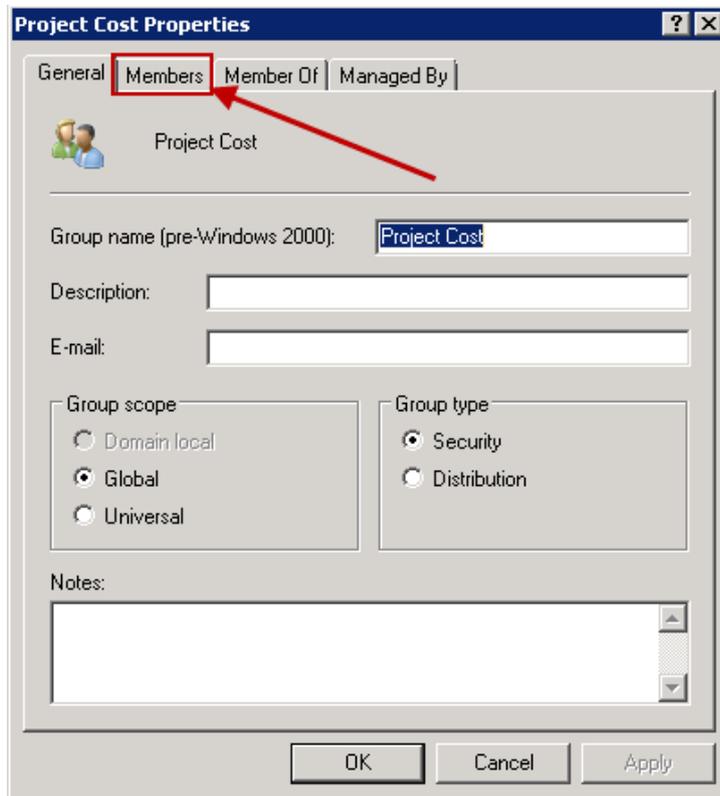
Add members to "Project Cost" group

1. In Active Directory Users and Computers window, expand <domain name>.com

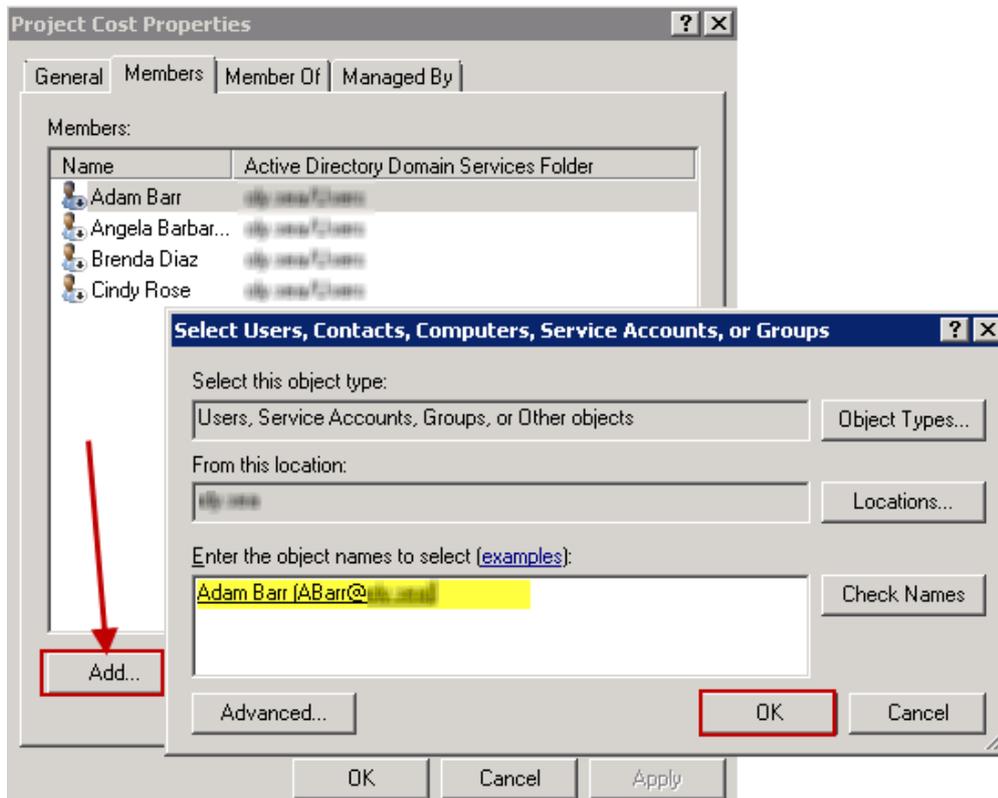


2. In the console tree, click the Users folder.
3. Locate the "Project Cost" security group

4. Double-Click on the "Project Cost" security group
5. Select the Members tab



6. Click Add
7. Add users as needed



8. Click OK and save settings

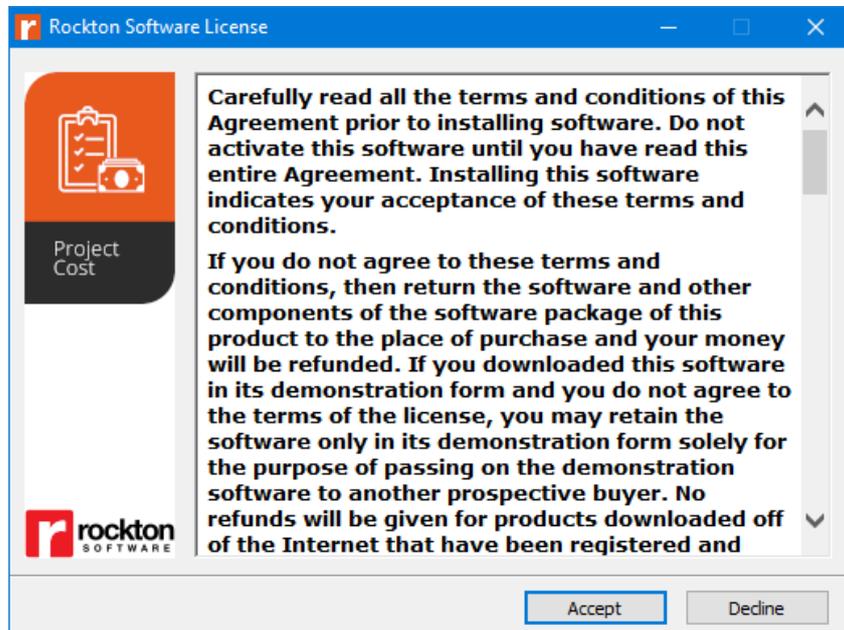
3. Download Software

Download the latest version of the Project Cost Web Suite (Angular) from <https://www.rocktonsoftware.com/product-downloads/>

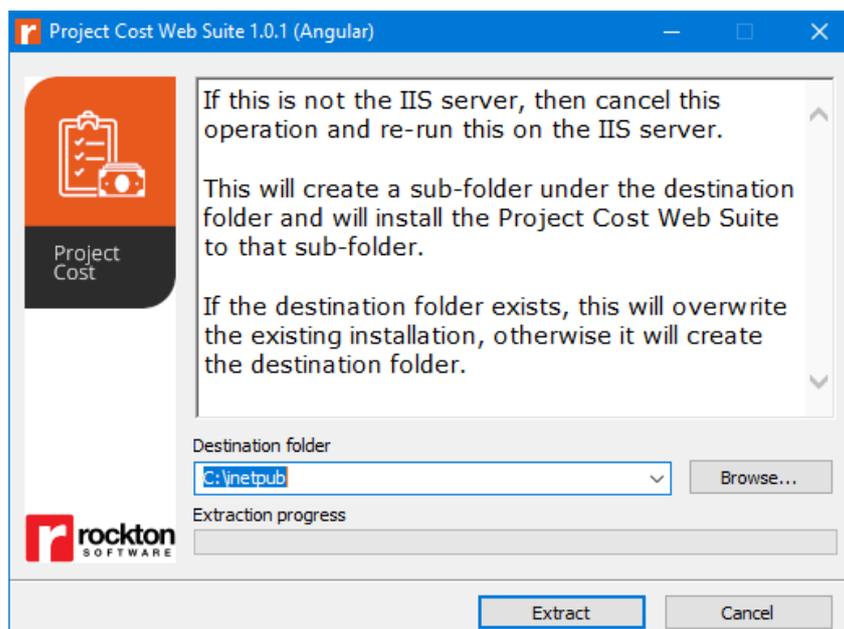
On the Rockton Product Downloads page, select "Rockton Project Cost" for Product, then select the latest version of "Project Cost Web Suite (Angular)" under "Other Files" and click Download Selected button (may need to scroll-down to see button).

The downloaded file is a self-extracting file which should be executed on the IIS server.

Run the downloaded file (see [Blocked downloads](#) if you have any issues running the application), read and accept the Software License Agreement.



Click **Extract**. The extract process will create a new sub-folder under the **C:\inetpub** folder or will overwrite the sub-folder if it already exists (if the sub-folder is overwritten, settings and customizations will be lost), each new version of Project Cost Web Suite will create a new sub-folder, the previous version sub-folder will still exist as a backup.



The selected destination folder will contain a sub-folder named "Project Cost Web Suite #.#.# (Angular)" (where #.#.# is the version).

4. New Install of Project Cost Web Suite

These instructions are a guideline and do not cover every possible configuration scenario, contact you IT specialist about advanced configurations and settings.

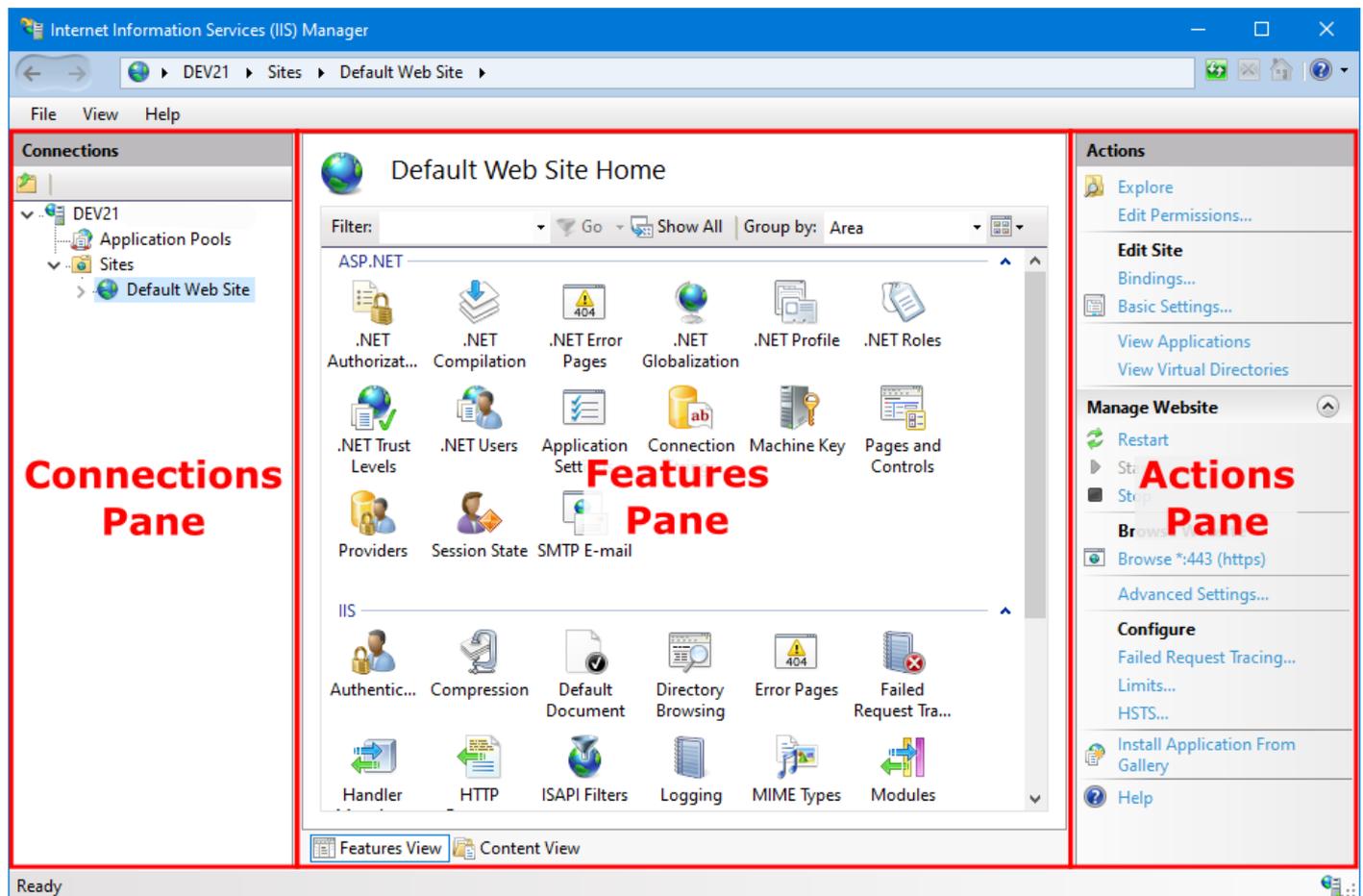
IMPORTANT NOTE: If your IIS server already contains web sites other than the Project Cost Web Suite, contact your IT specialist before continuing with these instructions.

Note: It is highly recommended that you use "https" (secure connection) for Binding Type. Binding Type is set in Bindings for the site. If you choose "https" binding, you will need a TLS/SSL server certificate, contact your IT specialist about acquiring and installing TLS/SSL server certificates.

Open **Internet Information Services (IIS) Manager** which can be found in **Control Panel** → **Administrative Tools**.

The Internet Information Services (IIS) Manager window is divided into three primary areas or panes.

1. The **Connections Pane** will show the server's name, Application Pool and Sites.
2. The **Features Pane** will list features relevant to the item selected in the **Connections Pane**. The **Features Pane** can also show content relevant to the item that is selected in the **Connections Pane**, select Content View at the bottom of the **Features Pane**.
3. The **Actions Pane** will show actions that are relevant to what is selected in the **Connections Pane** and **Features Pane**.

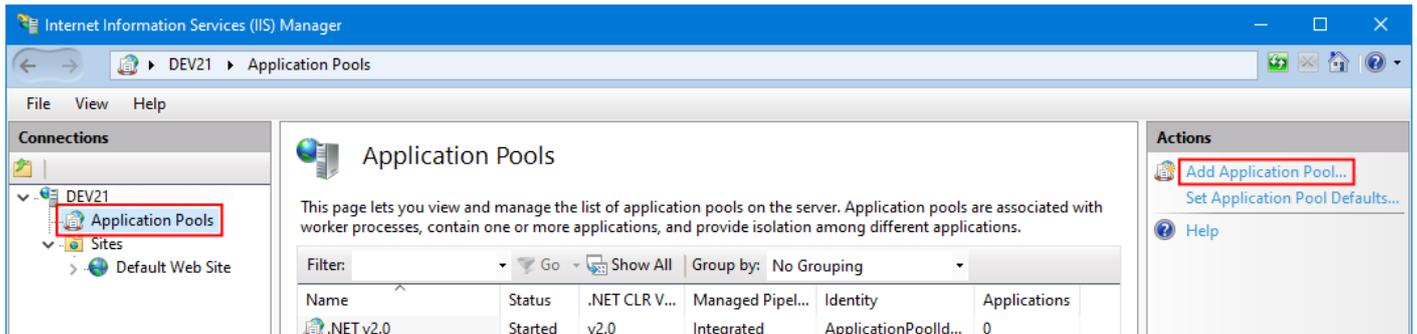


4.1. Create Application Pools

Two Application Pools are needed, one for the Project Cost Web Suite and another for Project Cost Reporting.

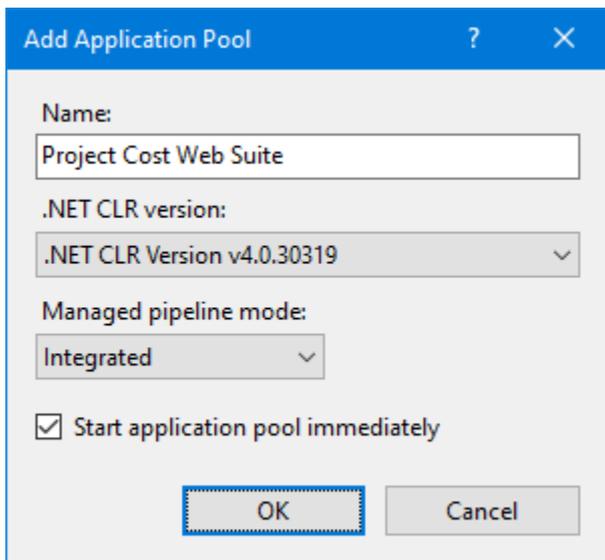
Create New Application Pool for Project Cost Web Suite:

In IIS Manager Connections pane, select **Application Pools**, in Actions pane, click **Add Application Pool...**



Enter "Project Cost Web Suite" for **Name**:

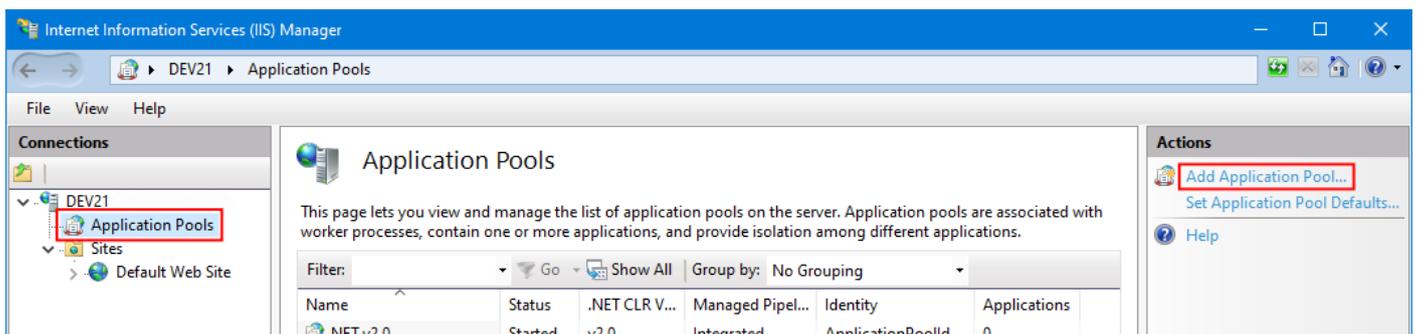
Select a **.NET CLR version** that contains "v4.0"



Click **OK**.

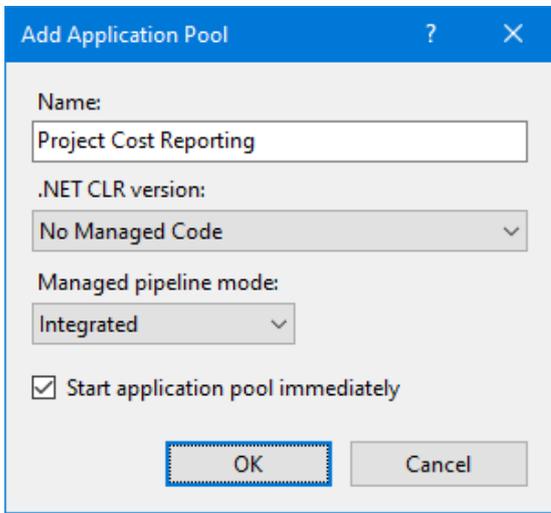
Create New Application Pool for Project Cost Reporting:

In IIS Manager Connections pane, select **Application Pools**, in Actions pane, click **Add Application Pool...**



Enter "Project Cost Reporting" for **Name**:

Select "No Managed Code" for **.NET CLR version**.



Click **OK**.

4.2. Install

The Project Cost Web Suite can be installed as a stand-alone site or the child of another site.

If installed as a stand-alone site, it will have a URL with no path, for example, <https://www.fabrikam.com> (no path). To install the Project Cost Web Suite as a stand-alone site, use [Option 1: Install as a stand-alone site](#).

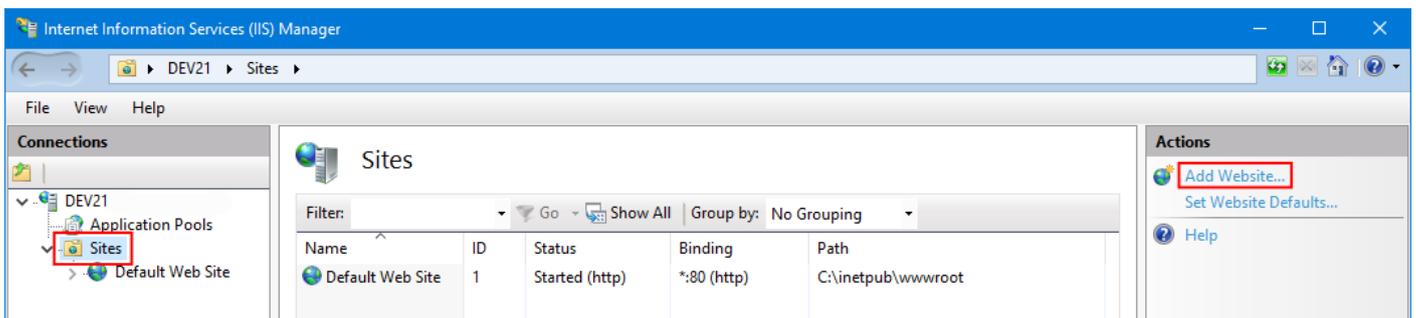
If installed as a child of another site, it will have a URL with a path, for example, <https://www.fabrikam.com/time-expense> (path is `/time-expense`). To install the Project Cost Web Suite as a child of another site, use [Option 2: Install as a child of another site](#).

Note: Assigning the domain/sub-domain names is not a function of IIS configuration, it is a function of DNS (Domain Name System), contact your IT specialist.

4.2.1. Option 1: Install as a stand-alone site

Use this option if you want the Project Cost Web Suite to be its own site. In the browser, you would navigate to the Project Cost Web Suite using a URL with no path, for example <https://www.fabrikam.com> (notice there is no path after the domain [fabrikam.com](https://www.fabrikam.com))

In IIS Manager Connections pane, select **Sites**, in Actions pane, click **Add Website...**



Enter "Project Cost Web Suite" for **Site name**:

Select "Project Cost Web Suite" for **Application Pool**.

Set **Physical path**: to "C:\inetpub\Project Cost Web Suite #.#.# (Angular)" (where #.#.# is the version).

The screenshot shows the 'Add Website' dialog box with the following configuration:

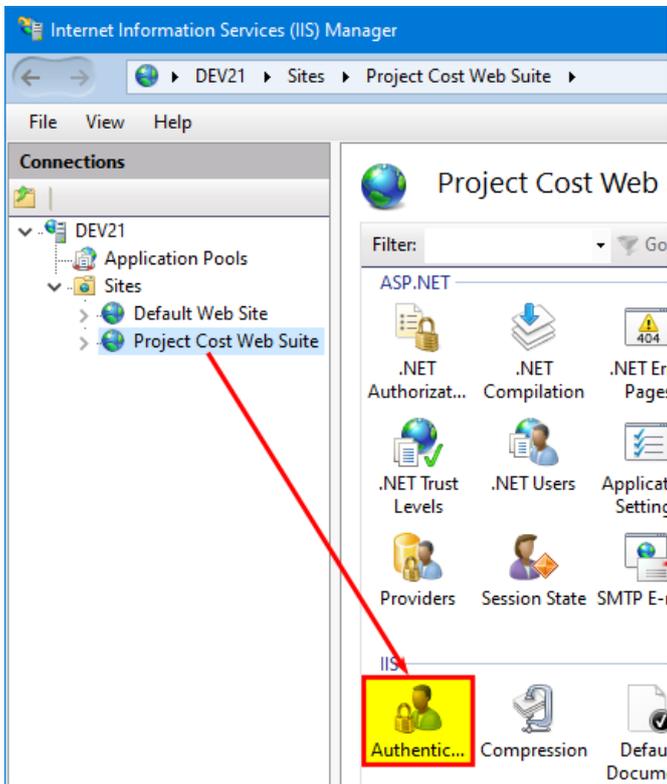
- Site name:** Project Cost Web Suite
- Application pool:** Project Cost Web Suite
- Content Directory:** Physical path: C:\inetpub\Project Cost Web Suite 1.0.1 (Angular)
- Binding:** Type: https, IP address: All Unassigned, Port: 443
- Host name:** (empty)
- Require Server Name Indication:**
- Disable TLS 1.3 over TCP:**
- Disable QUIC:**
- Disable Legacy TLS:**
- Disable HTTP/2:**
- Disable OCSP Stapling:**
- SSL certificate:** www.fabrikam.com
- Start Website immediately:**

Note: Multiple running (Status = Started) sites cannot share the same **IP Address, Port** and **Host Name** combination, you may need to choose a different **IP Address, Port** or **Host Name** if this site conflicts with another site. You can also stop the other conflicting site if it is not being used. If you're not sure how to resolve the conflict, contact your IT specialist.

Click **OK**.

In the Connections pane, select the Project Cost Web Suite site.

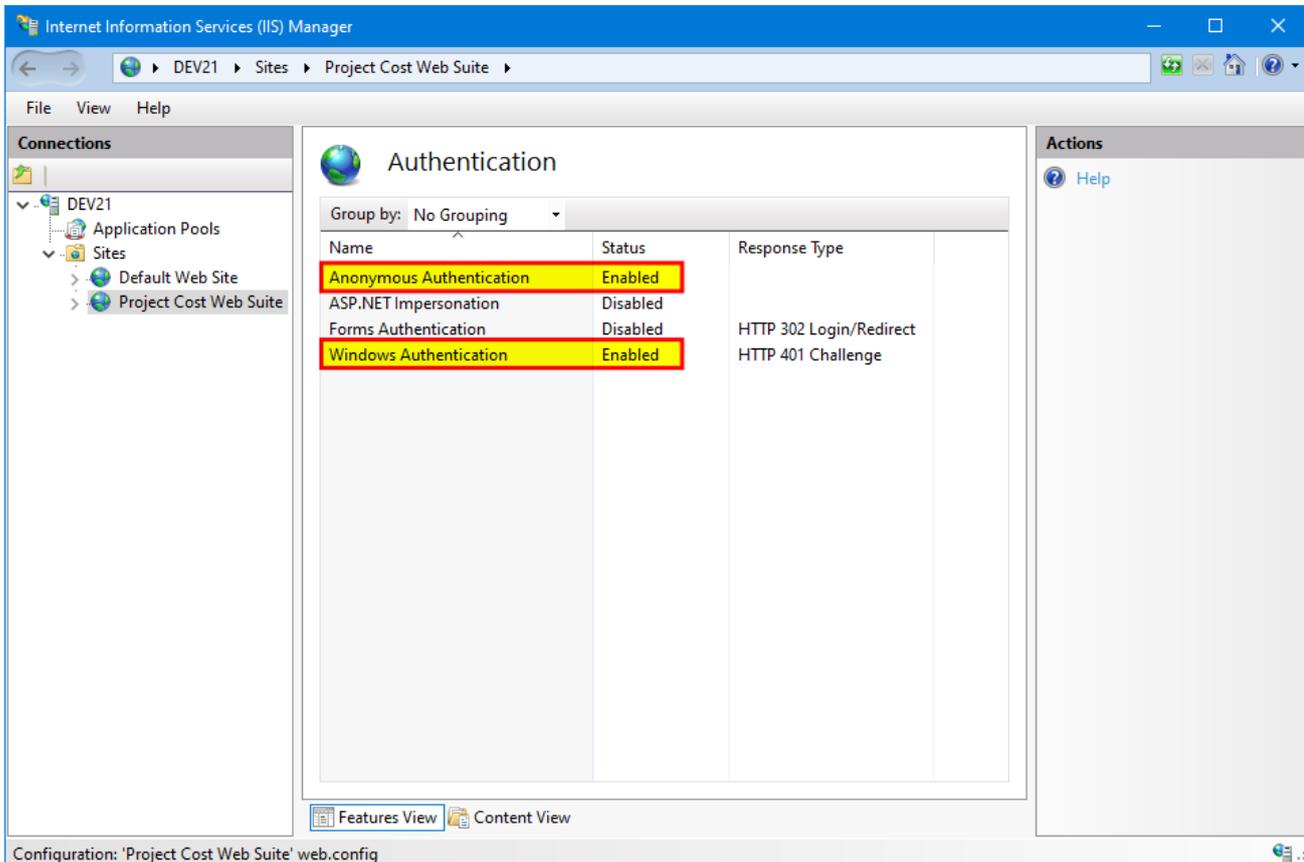
In the Features pane, double-click **Authentication**:



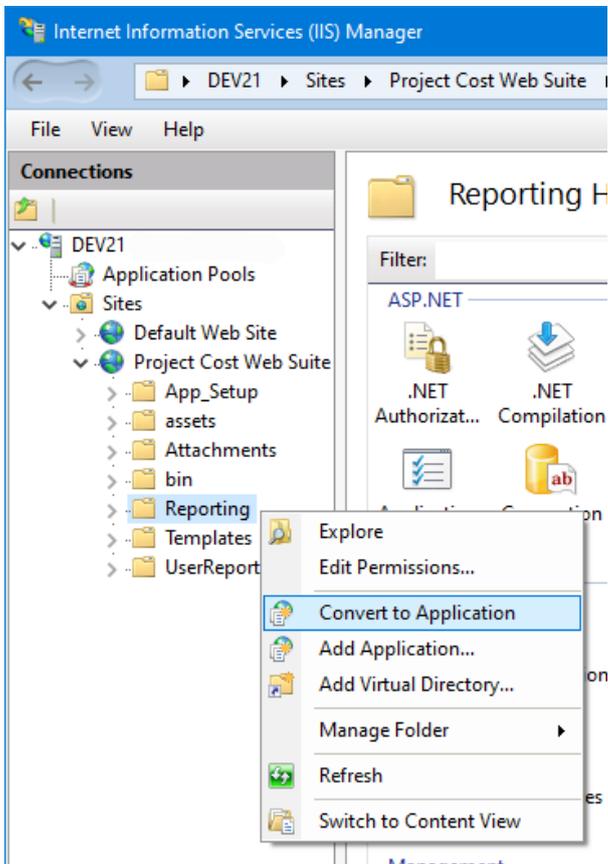
Verify **Anonymous Authentication** is enabled.

Enable **Windows Authentication** if using Single Sign-On, else disable.

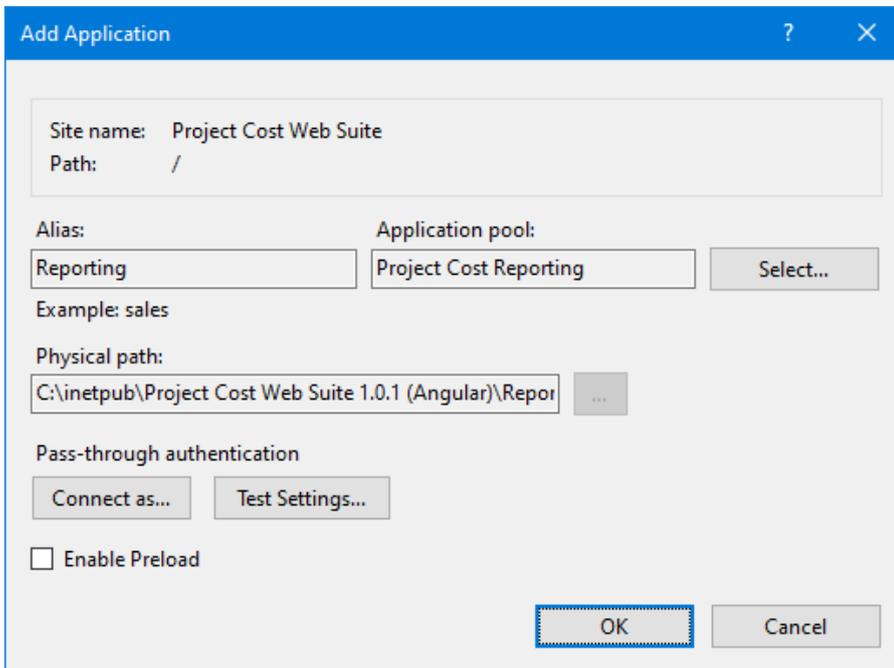
All other authentication types should be disabled.



In the Connections pane, expand Project Cost Web Suite site, right-click on Reporting and click **Convert to Application**.

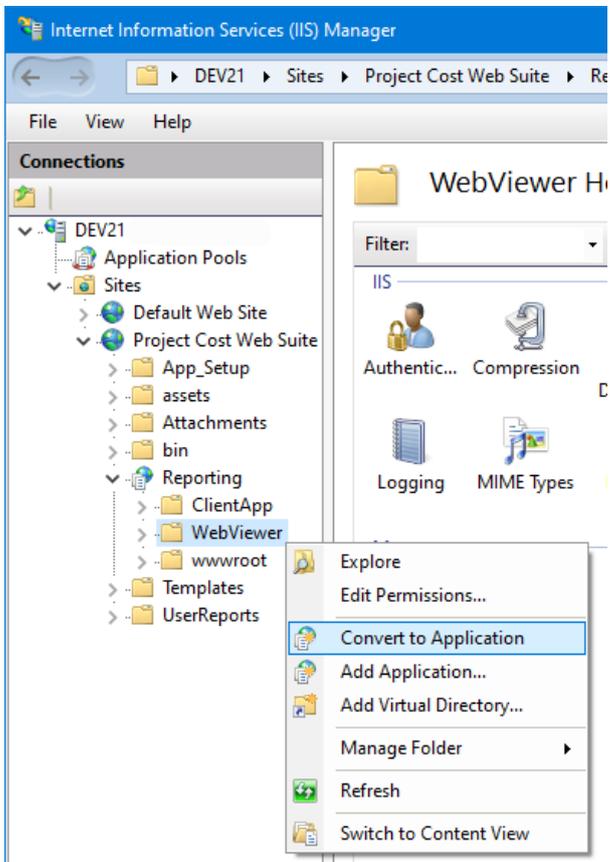


Select "Project Cost Reporting" for **Application pool**:

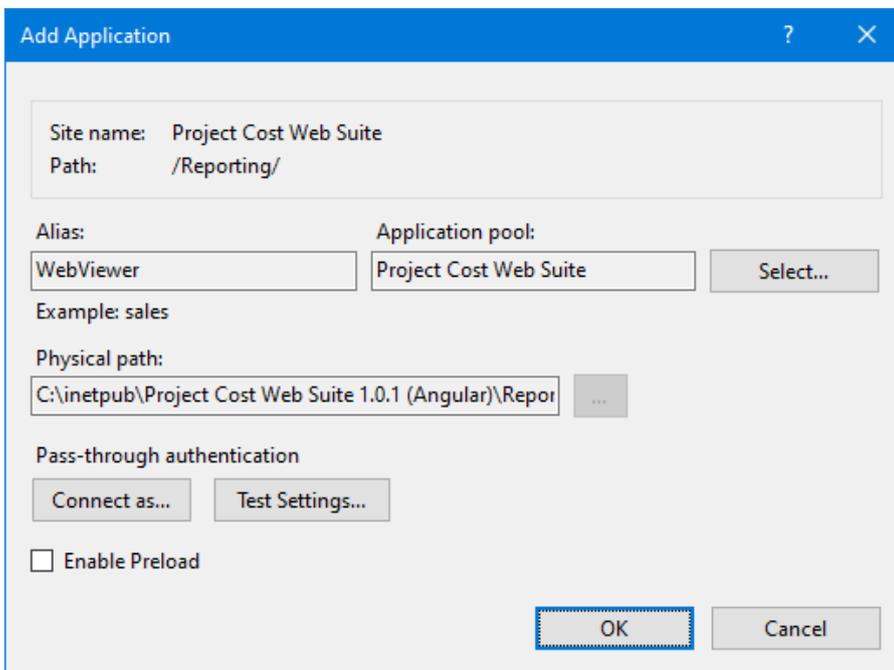


Click **OK**.

Expand Reporting, right-click on WebViewer, click **Convert to Application**



Select "Project Cost Web Suite" for **Application pool**!.



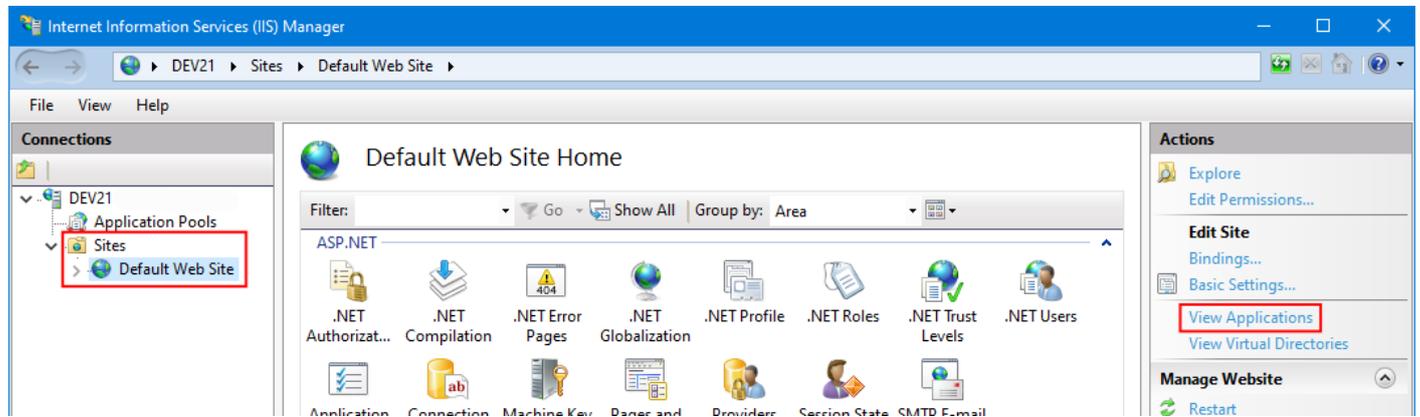
Click **OK**.

4.2.2. Option 2: Install as a child of another site

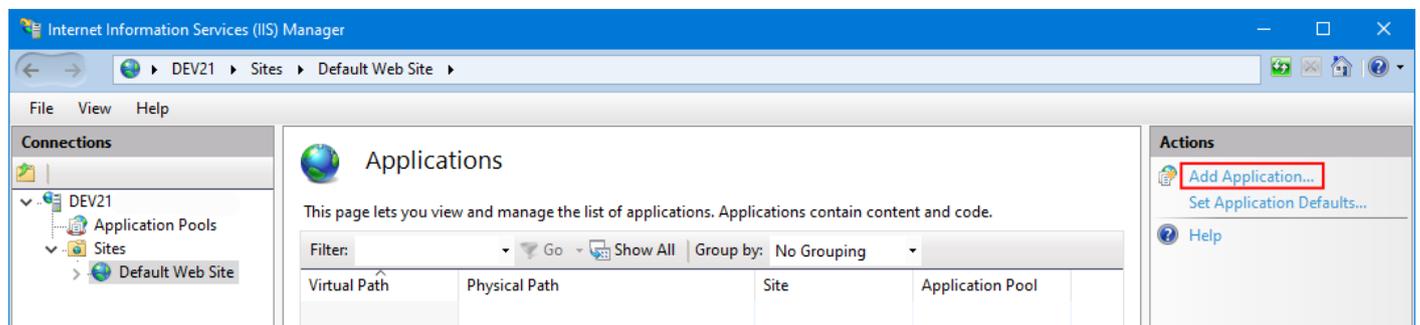
Use this option if you want the Project Cost Web Suite to be a child of another site. In the browser, you would navigate to the Project Cost Web Suite using a URL with a path, for example <https://www.fabrikam.com/time-expense> (notice the path [/time-expense](#) after the domain [fabrikam.com](#))

In IIS Manager Connections pane, expand **Sites** and select the site you wish to install the Project Cost Web

Suite as a child, in Actions pane, click **View Applications**



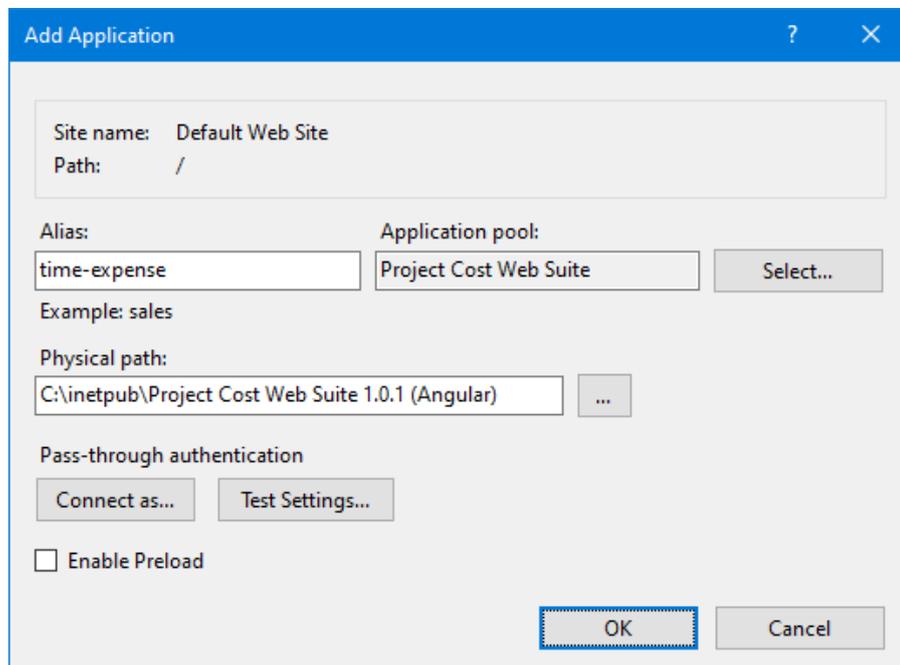
In Actions pane, click **Add Application...**



Enter a value for **Alias:** (This value will be the path in the URL, for example an alias of "time-expense" will result in a URL of <https://www.fabrikam.com/time-expense>)

Select "Project Cost Web Suite" for **Application pool:**.

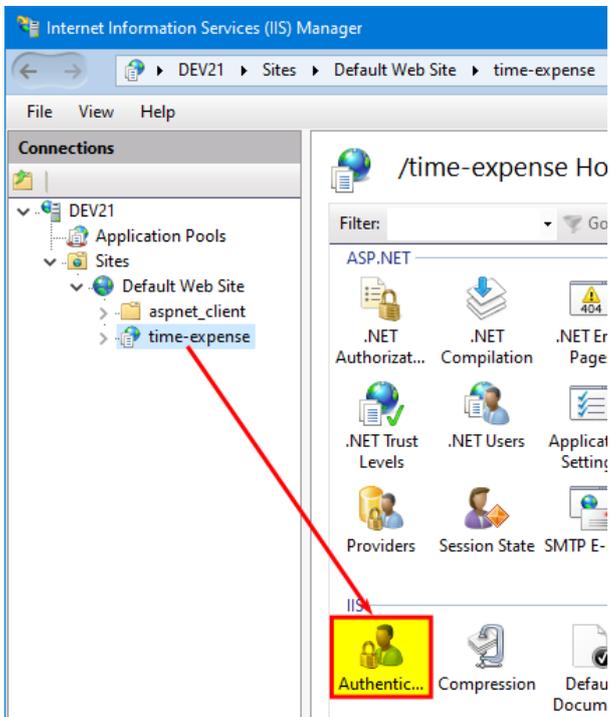
Set **Physical path:** to "C:\inetpub\Project Cost Web Suite #.#.# (Angular)" (where #.#.# is the version).



Click **OK**.

In the Connections pane, expand the site that contains the Project Cost Web Suite application and select the node that corresponds to the value used for **Alias:** above.

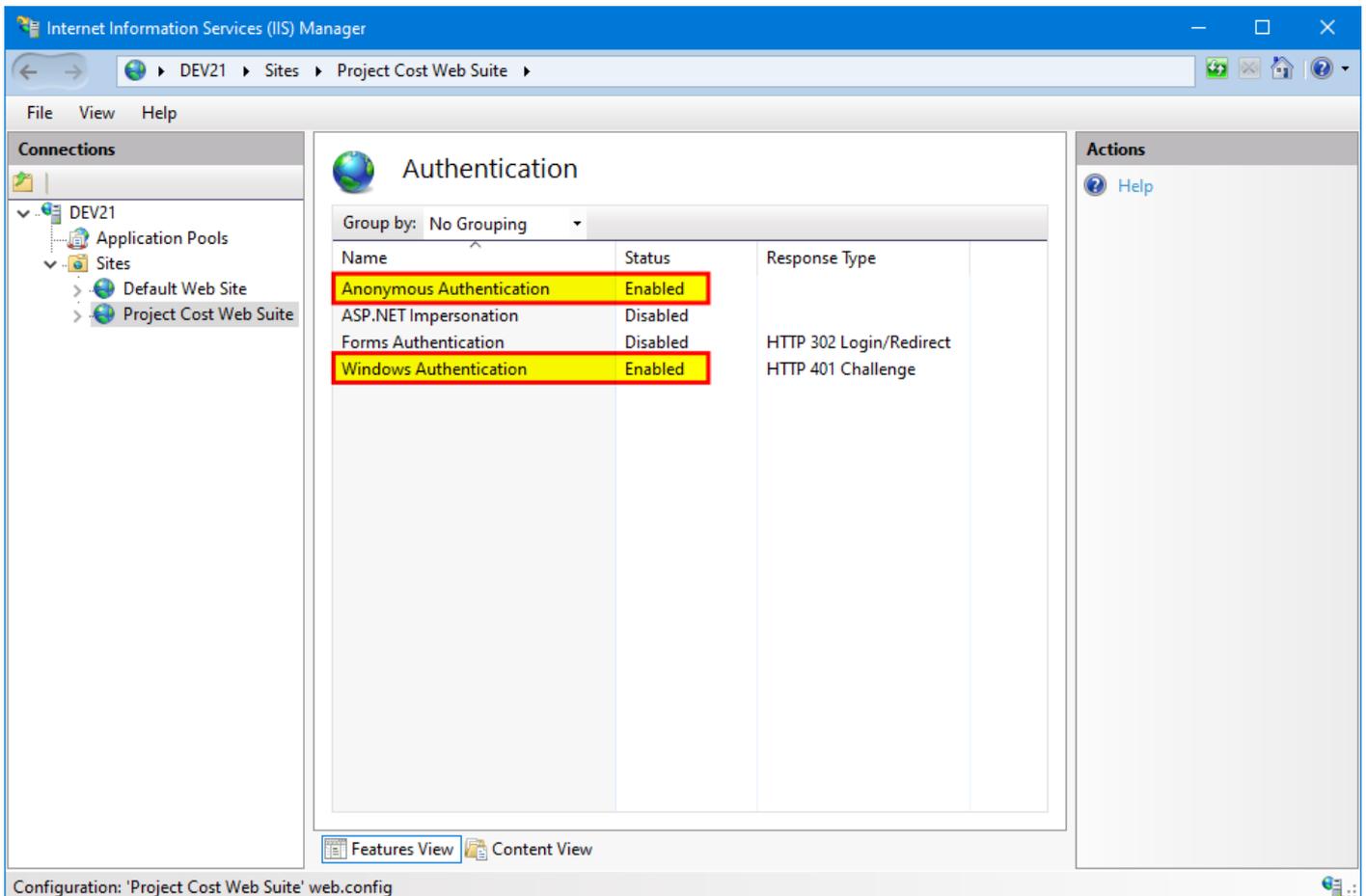
In the Features pane, double-click **Authentication:**



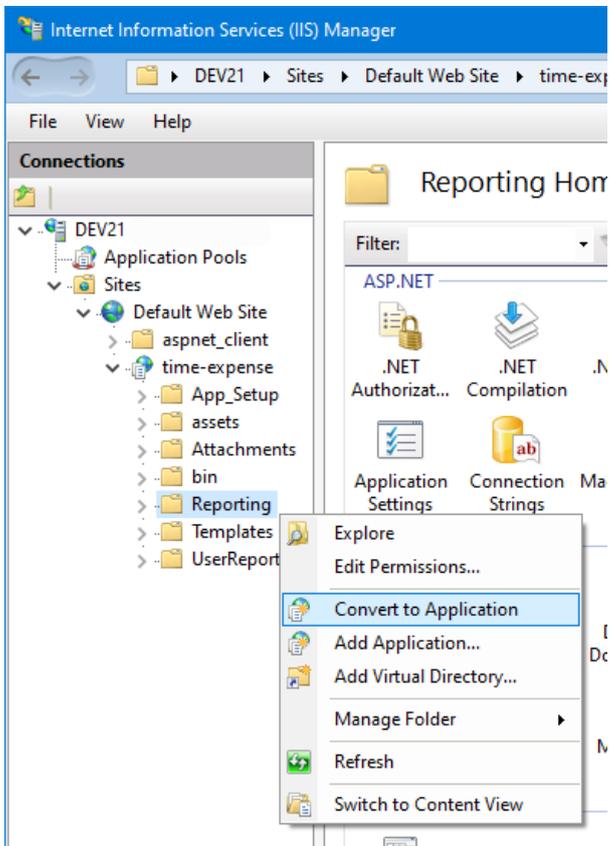
Verify **Anonymous Authentication** is enabled.

Enable **Windows Authentication** if using Single Sign-On, else disable.

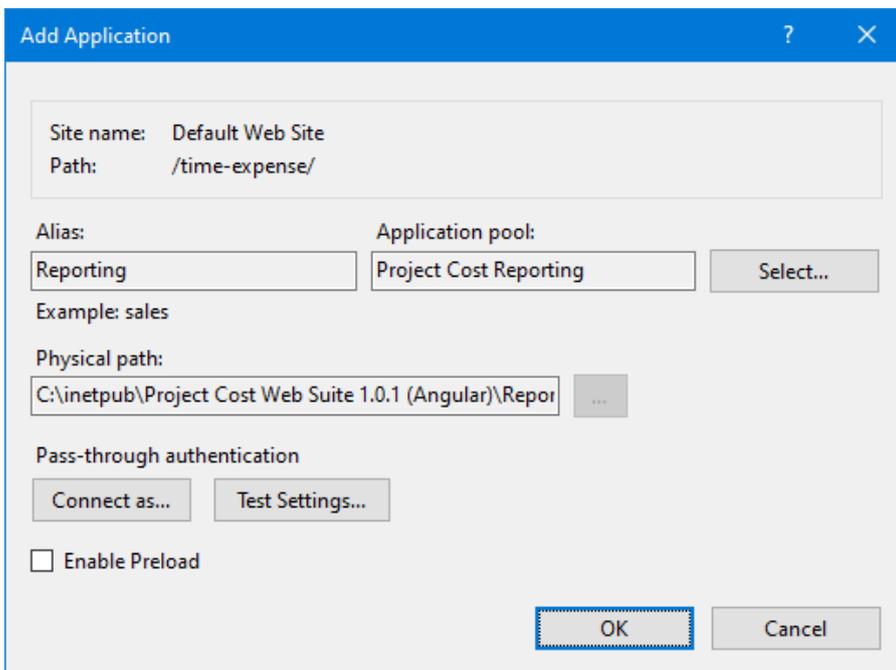
All other authentication types should be disabled.



In the Connections pane, expand the node that corresponds to the value used for **Alias:** above, right-click on Reporting and click **Convert to Application**.

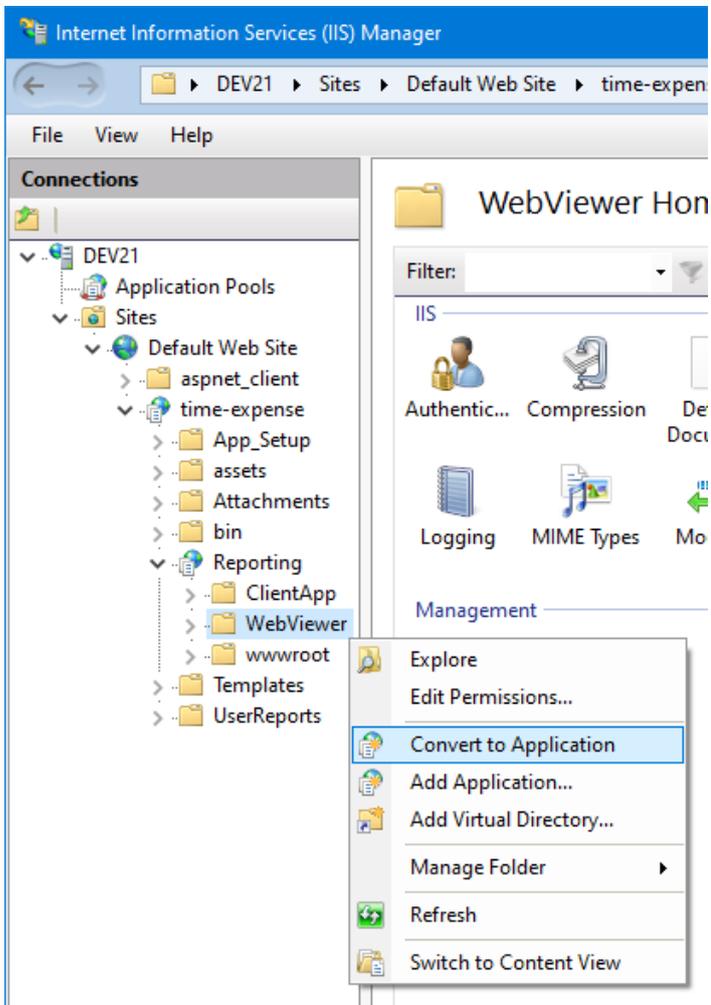


Select "Project Cost Reporting" for **Application pool**:

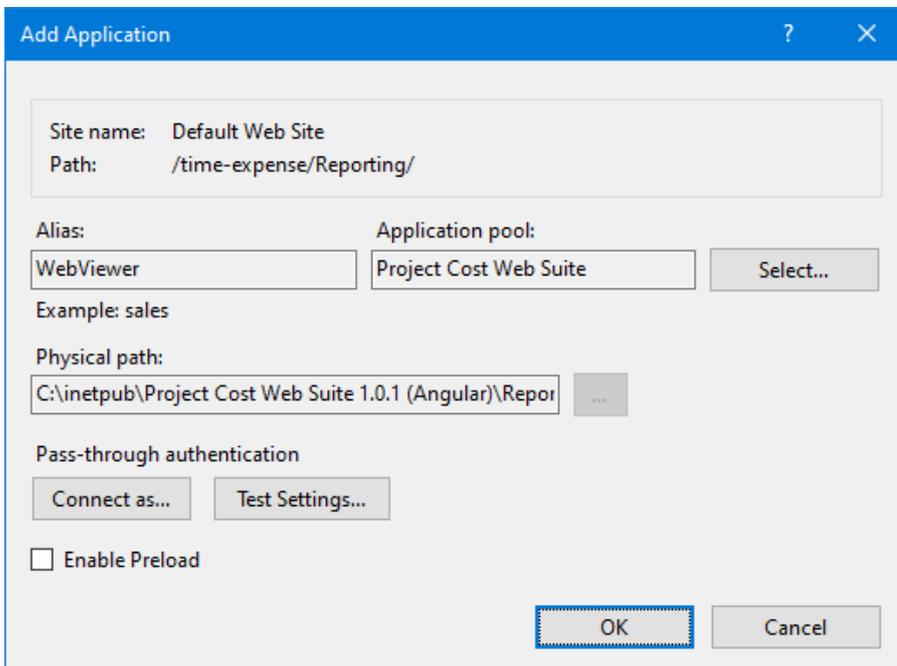


Click **OK**.

Expand Reporting, right-click on WebViewer, click **Convert to Application**



Select "Project Cost Web Suite" for **Application pool**.



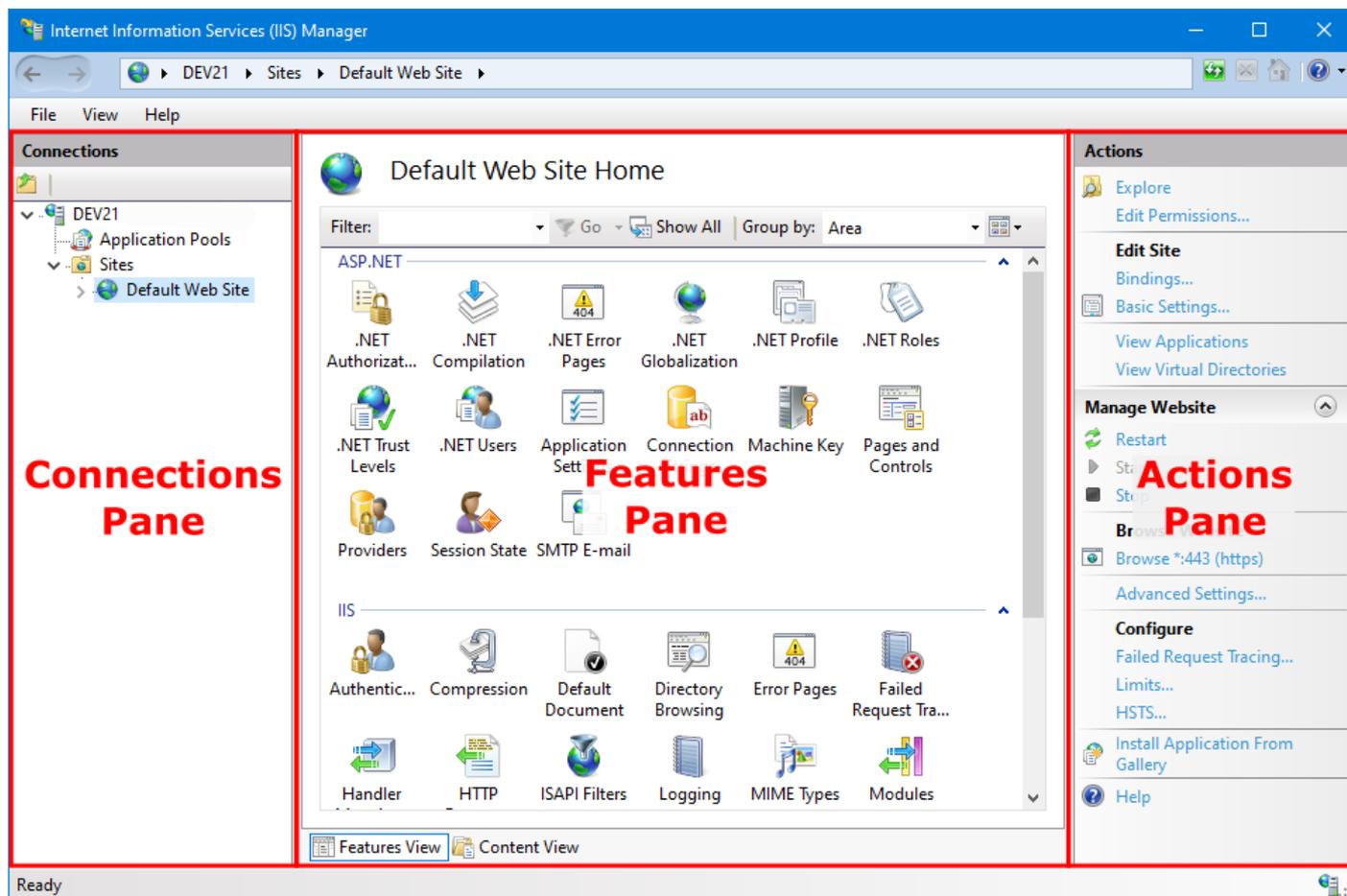
Click **OK**.

5. Upgrade Project Cost Web Suite

Open **Internet Information Services (IIS) Manager** which can be found in **Control Panel** → **Administrative Tools**.

The Internet Information Services (IIS) Manager window is divided into three primary areas or panes.

1. The **Connections Pane** will show the server's name, Application Pool and Sites.
2. The **Features Pane** will list features relevant to the item selected in the **Connections Pane**. The **Features Pane** can also show content relevant to the item that is selected in the **Connections Pane**, select Content View at the bottom of the **Features Pane**.
3. The **Actions Pane** will show actions that are relevant to what is selected in the **Connections Pane** and **Features Pane**.



Locate the existing installation of the Project Cost Web Suite.

The Project Cost Web Suite can be installed as a stand-alone site or the child of another site.

If installed as a stand-alone site, it will have a URL with no path, for example, <https://www.fabrikam.com> (no path). To upgrade the Project Cost Web Suite installed as a stand-alone site, use [Option 1: Upgrade stand-alone site](#).

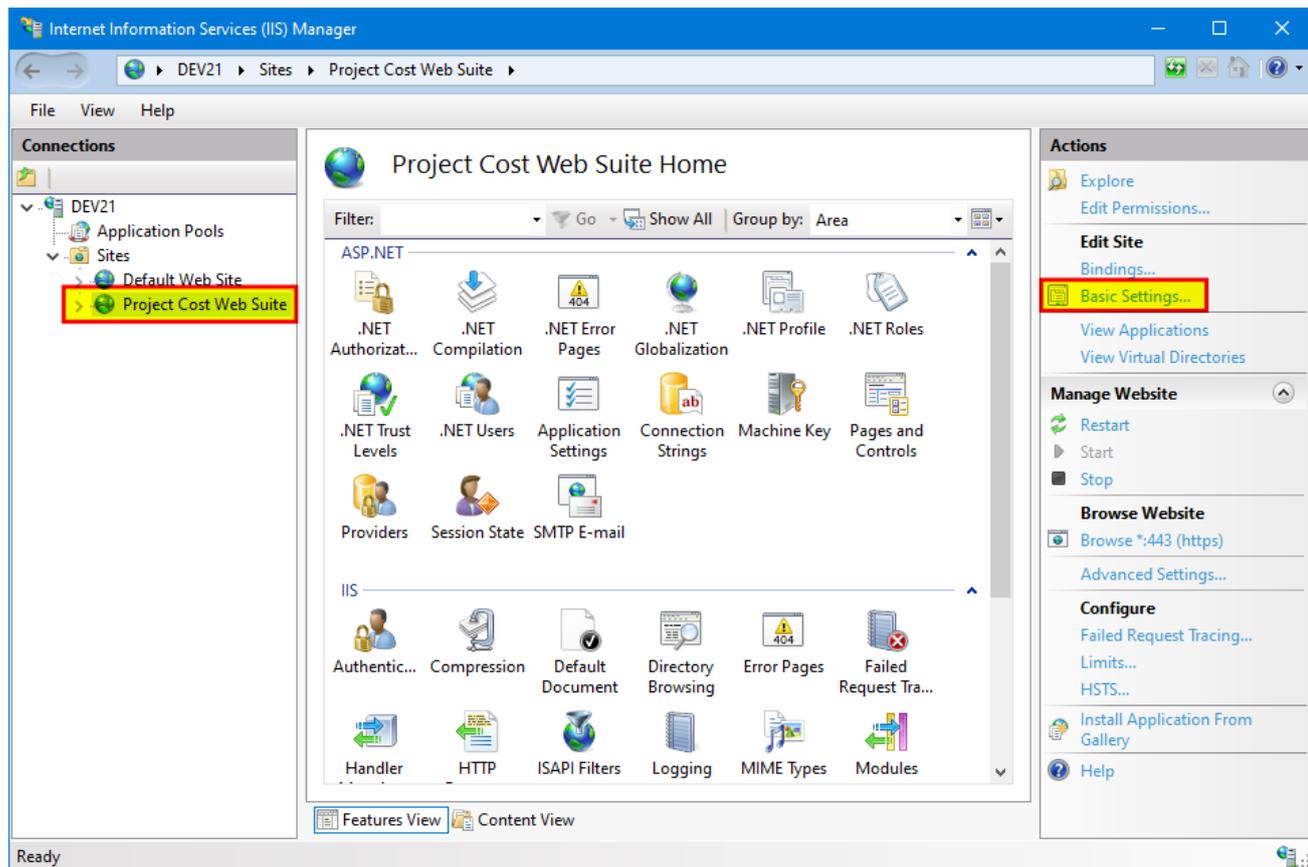
If installed as a child of another site, it will have a URL with a path, for example, <https://www.fabrikam.com/time-expense> (path is `/time-expense`). To upgrade the Project Cost Web Suite installed as a child of another site, use [Option 2: Upgrade child of another site](#).

5.1. Option 1: Upgrade stand-alone site

Use this option if the Project Cost Web Suite is its own site. In the browser, you would navigate to the Project

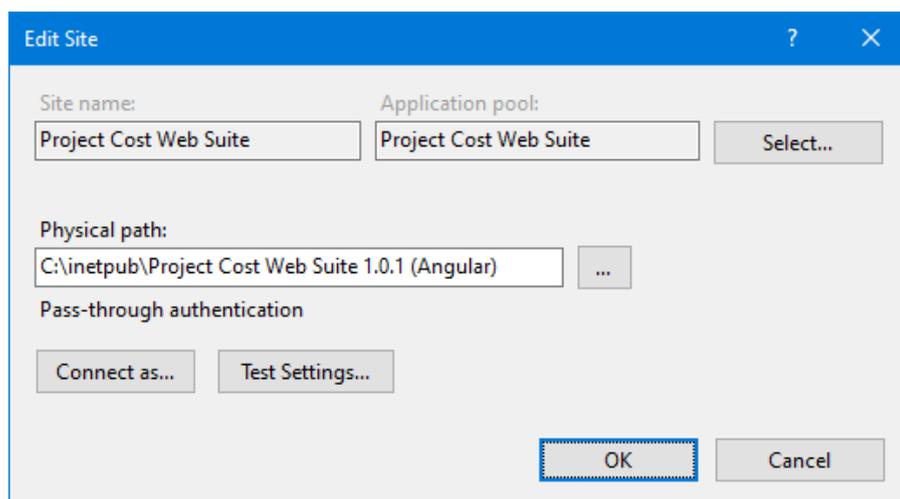
Cost Web Suite using a URL with no path, for example <https://www.fabrikam.com> (notice there is no path after the domain [fabrikam.com](https://www.fabrikam.com))

In IIS Manager Connections pane, select the Project Cost Web Suite site under **Sites**, in Actions pane, click **Basic Settings**



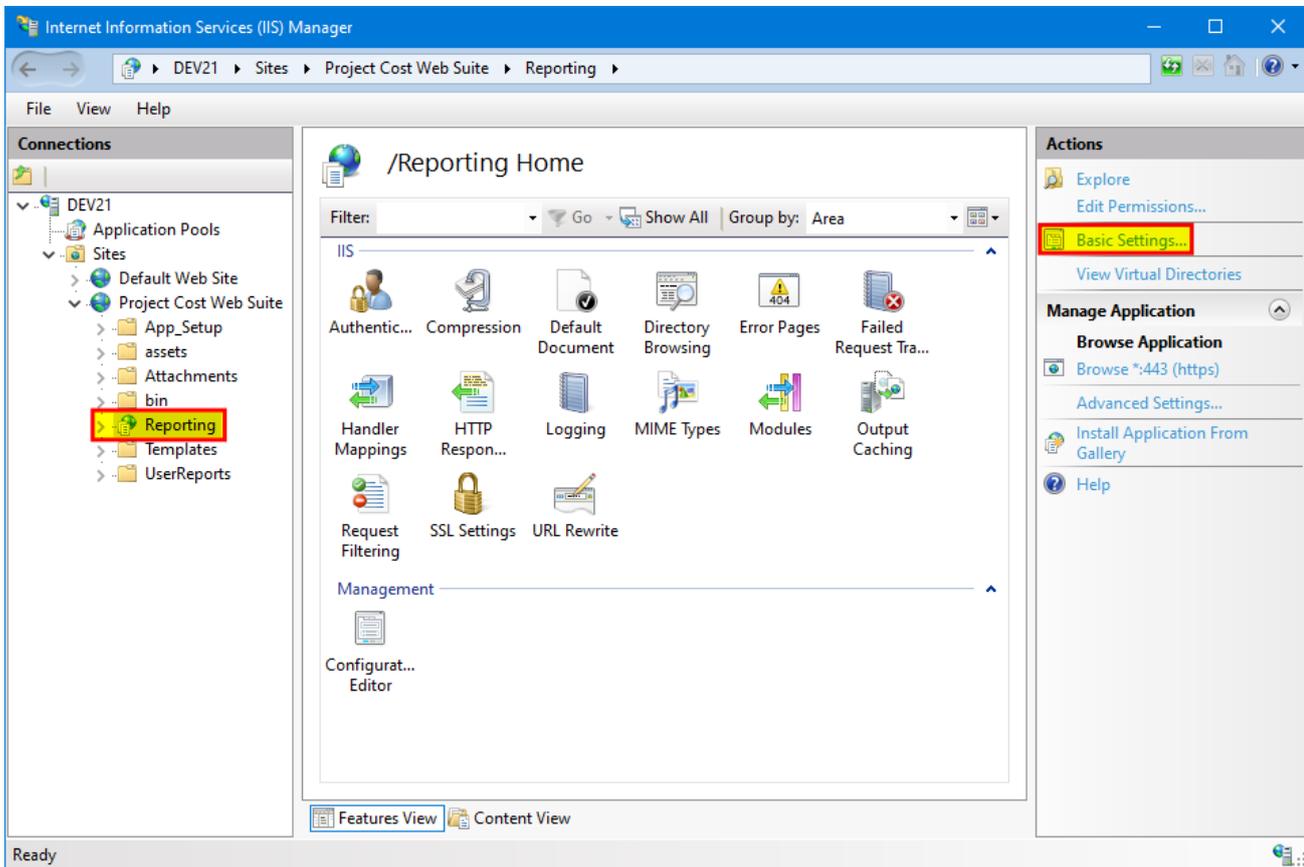
Change **Physical path**: to the new version "C:\inetpub\Project Cost Web Suite #.#.# (Angular)" (where #.#.# is the version).

Verify that **Application pool** is "Project Cost Web Suite", if not, change to "Project Cost Web Suite" (if "Project Cost Web Suite" Application pool does not exist, see [Create Application Pools](#) to create Application pool)

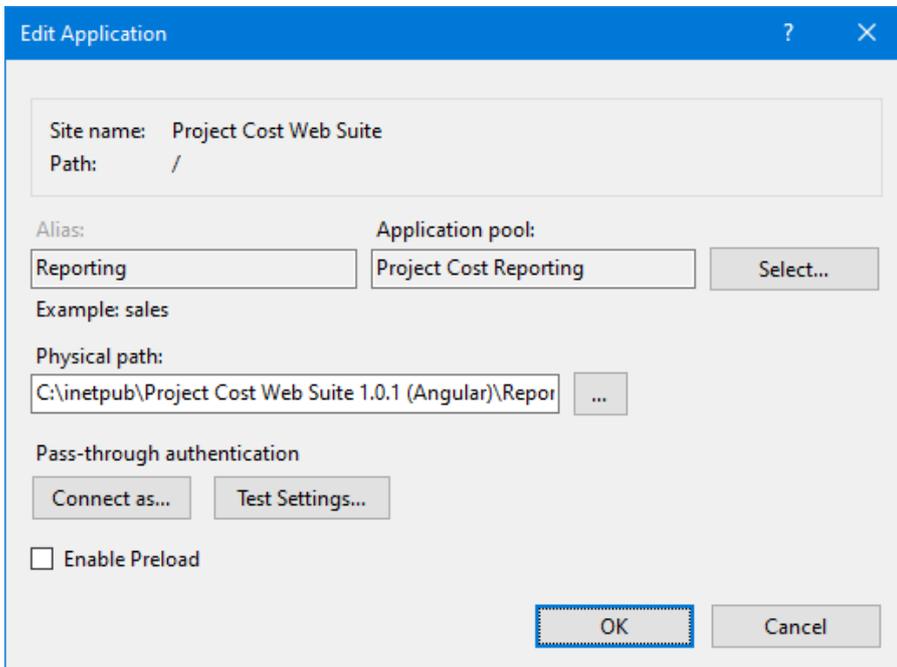


Click **OK**.

In the Connections pane, expand Project Cost Web Suite, select Reporting, in Action Pane, click **Basic Settings** (if **Basic Settings** does not exist in Action Pane, see [Convert Reporting to Application](#))

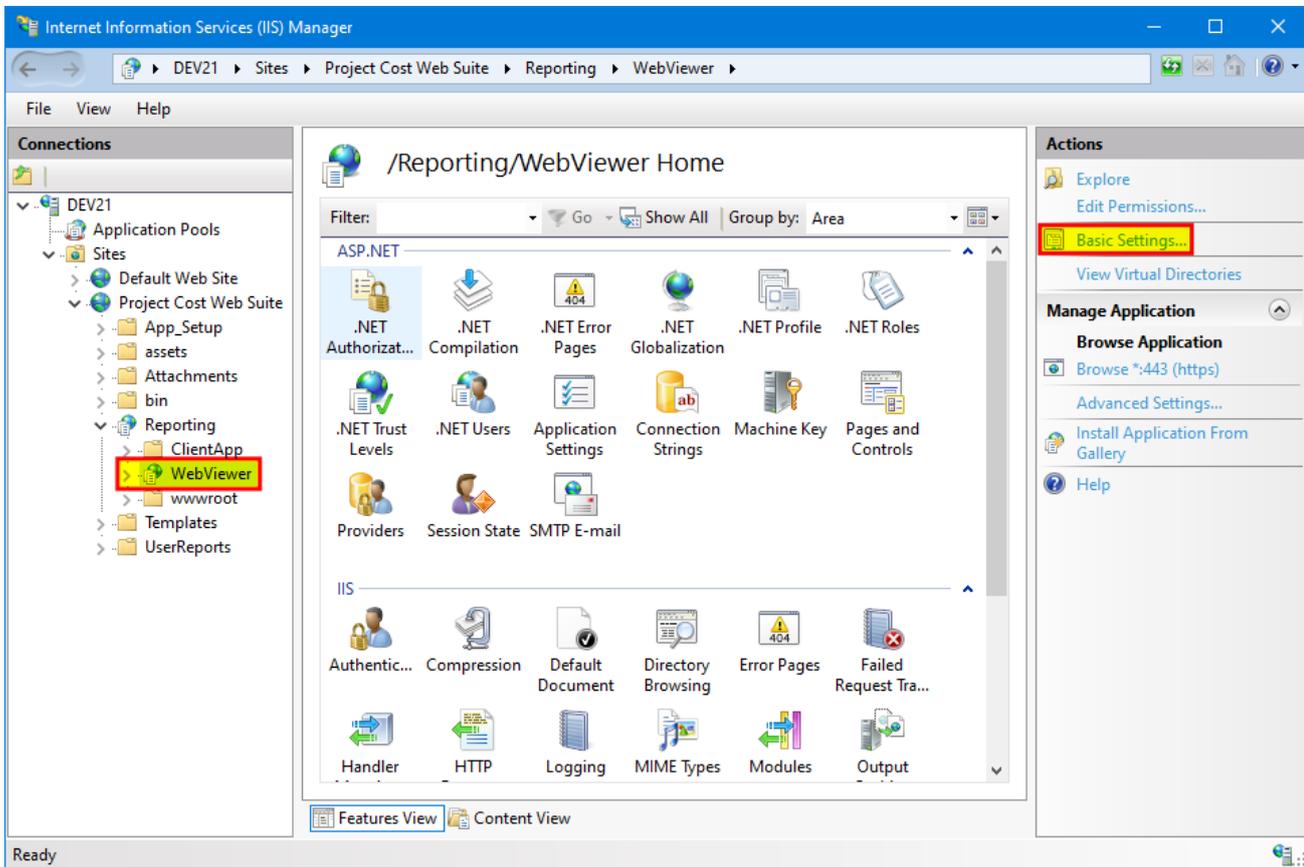


Verify that **Application pool** is "Project Cost Reporting", if not, change to "Project Cost Reporting" (if "Project Cost Reporting" Application pool does not exist, see [Create Application Pools](#) to create Application pool)

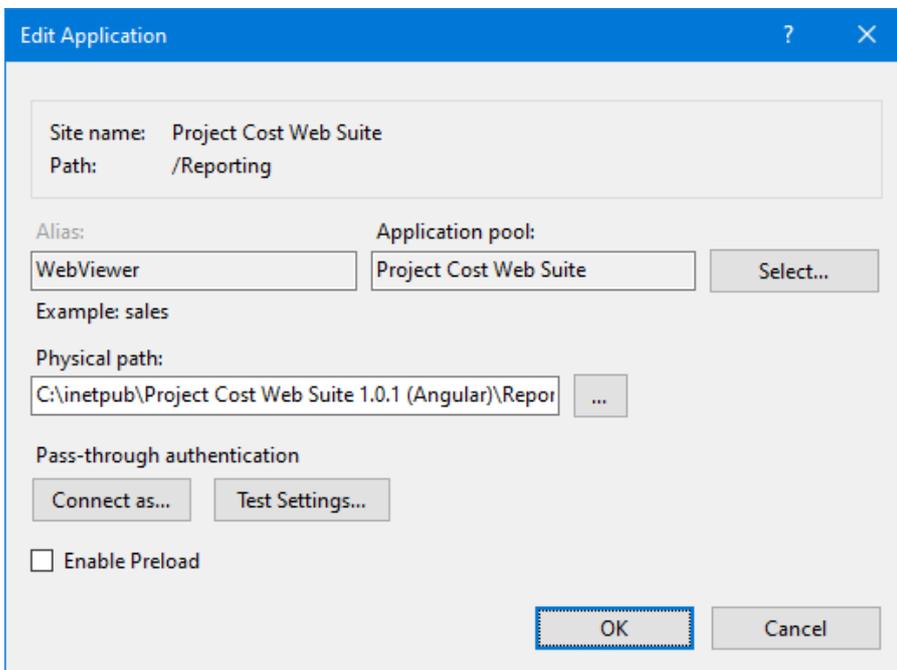


Click **OK**.

In the Connections pane, expand Reporting, select WebViewer, in Action Pane, click **Basic Settings** (if **Basic Settings** does not exist in Action Pane, see [Convert WebViewer to Application](#))



Verify that **Application pool** is "Project Cost Web Suite", if not, change to "Project Cost Web Suite" (if "Project Cost Web Suite" Application pool does not exist, see [Create Application Pools](#) to create Application pool)

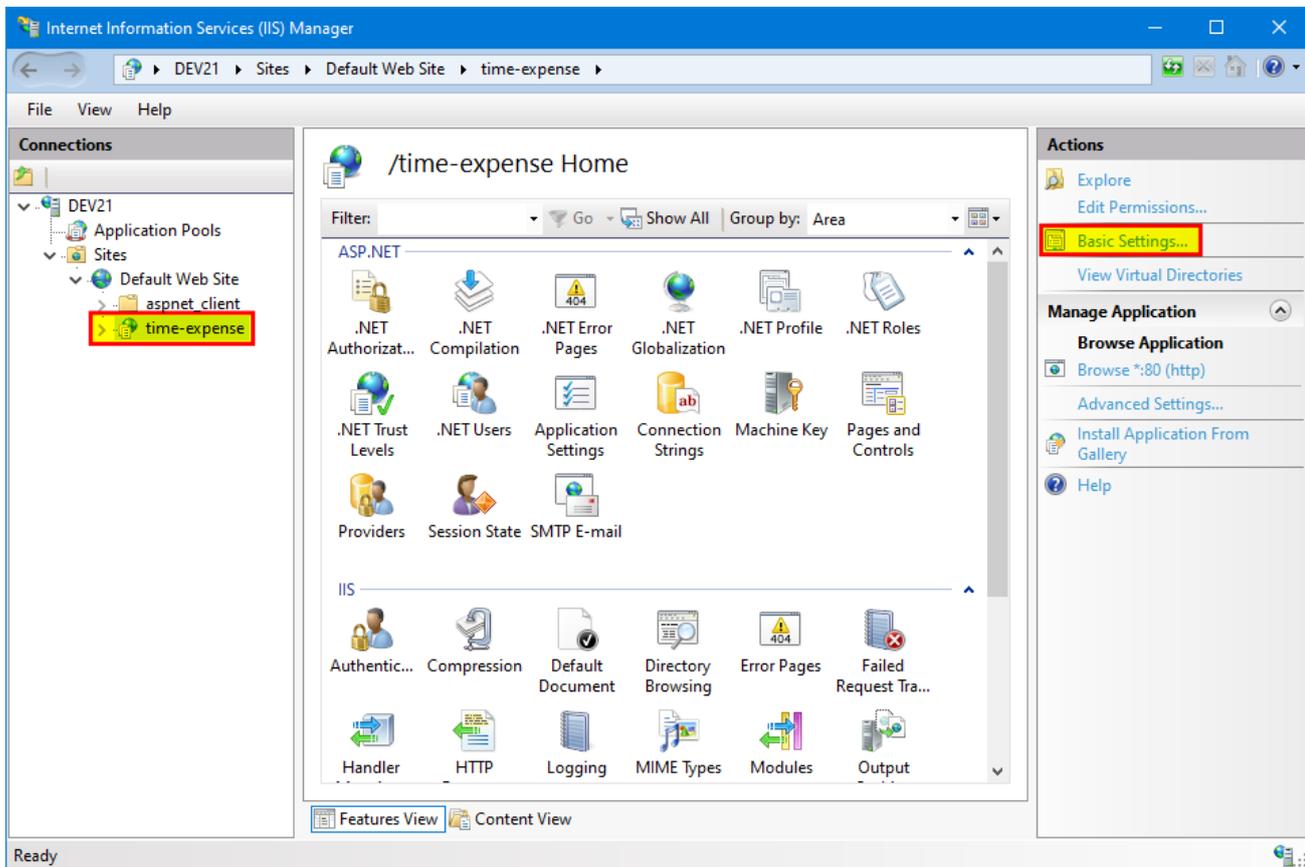


Click **OK**.

5.2. Option 2: Upgrade child of another site

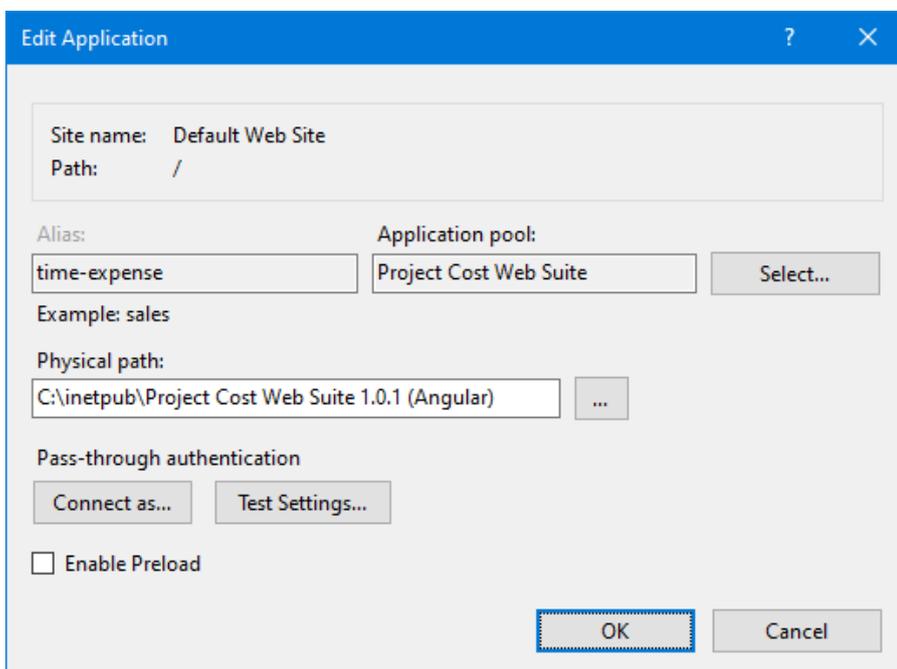
Use this option if the Project Cost Web Suite is a child of another site. In the browser, you would navigate to the Project Cost Web Suite using a URL with a path, for example <https://www.fabrikam.com/time-expense> (notice the path [/time-expense](#) after the domain [fabrikam.com](#))

In IIS Manager Connections pane, expand the site under **Sites** where the Project Cost Web Suite is installed as a child and select the child, in Actions pane, click **Basic Settings**



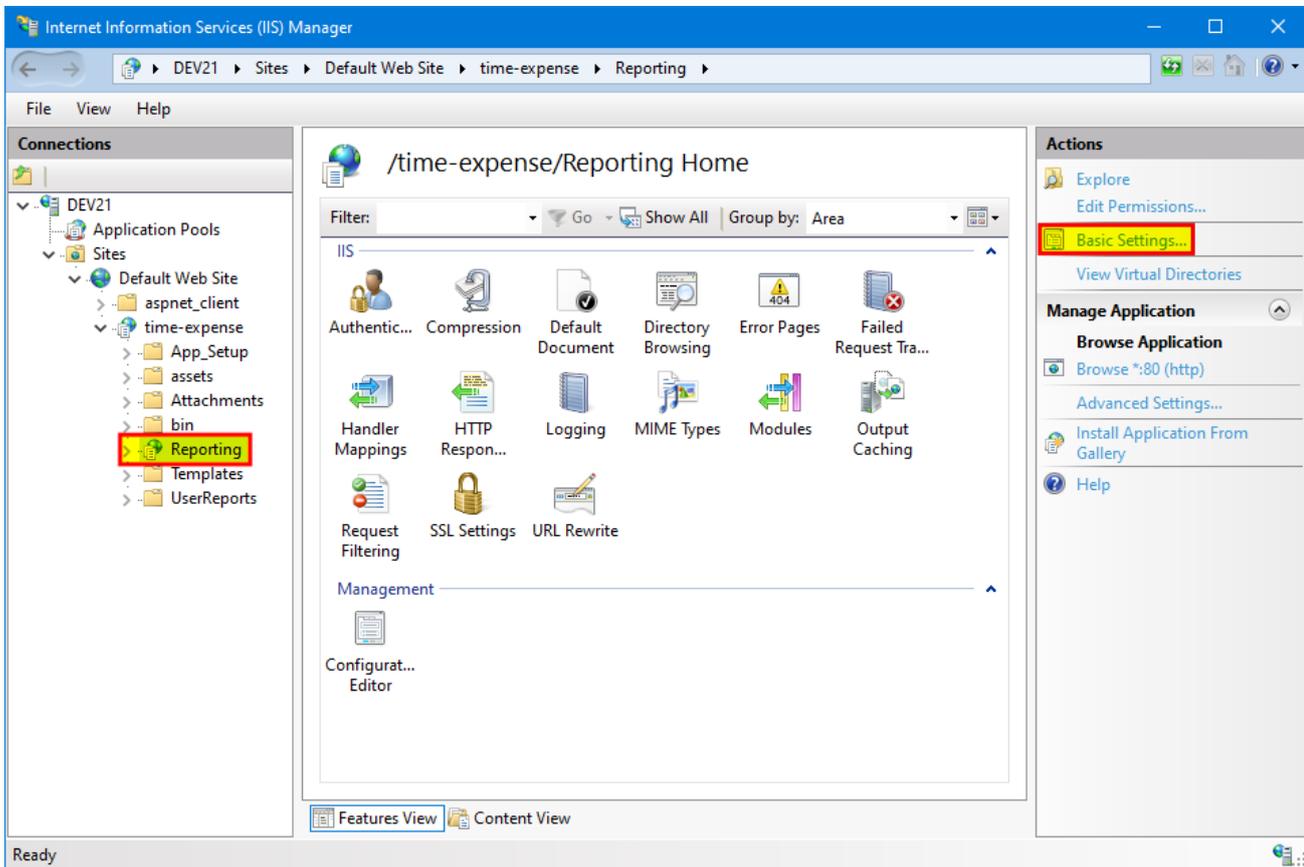
Change **Physical path**: to the new version "C:\inetpub\Project Cost Web Suite #.#.# (Angular)" (where #.#.# is the version).

Verify that **Application pool** is "Project Cost Web Suite", if not, change to "Project Cost Web Suite" (if "Project Cost Web Suite" Application pool does not exist, see [Create Application Pools](#) to create Application pool)

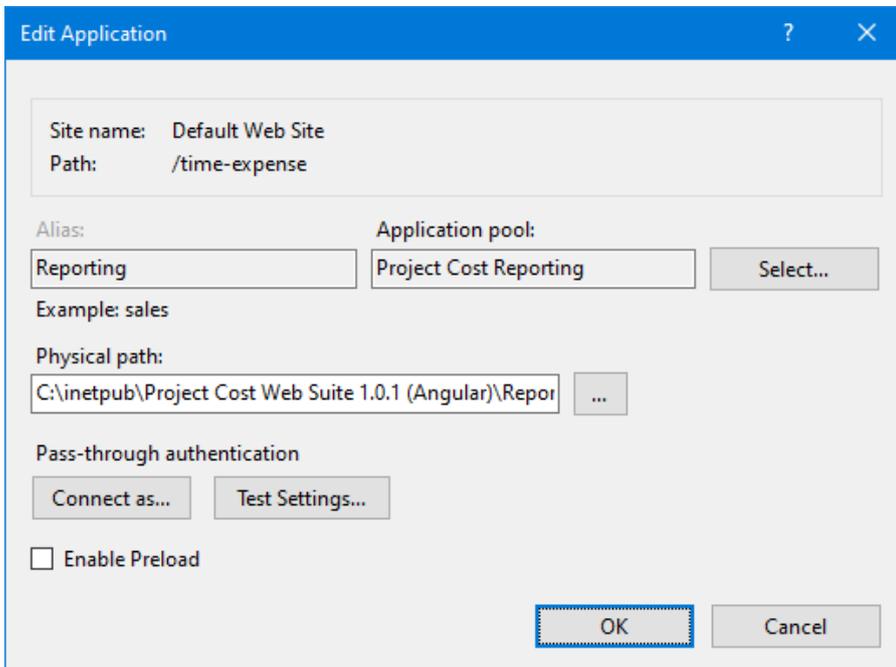


Click **OK**.

In the Connections pane, expand child, select Reporting, in Action Pane, click **Basic Settings** (if **Basic Settings** does not exist in Action Pane, see [Convert Reporting to Application](#))

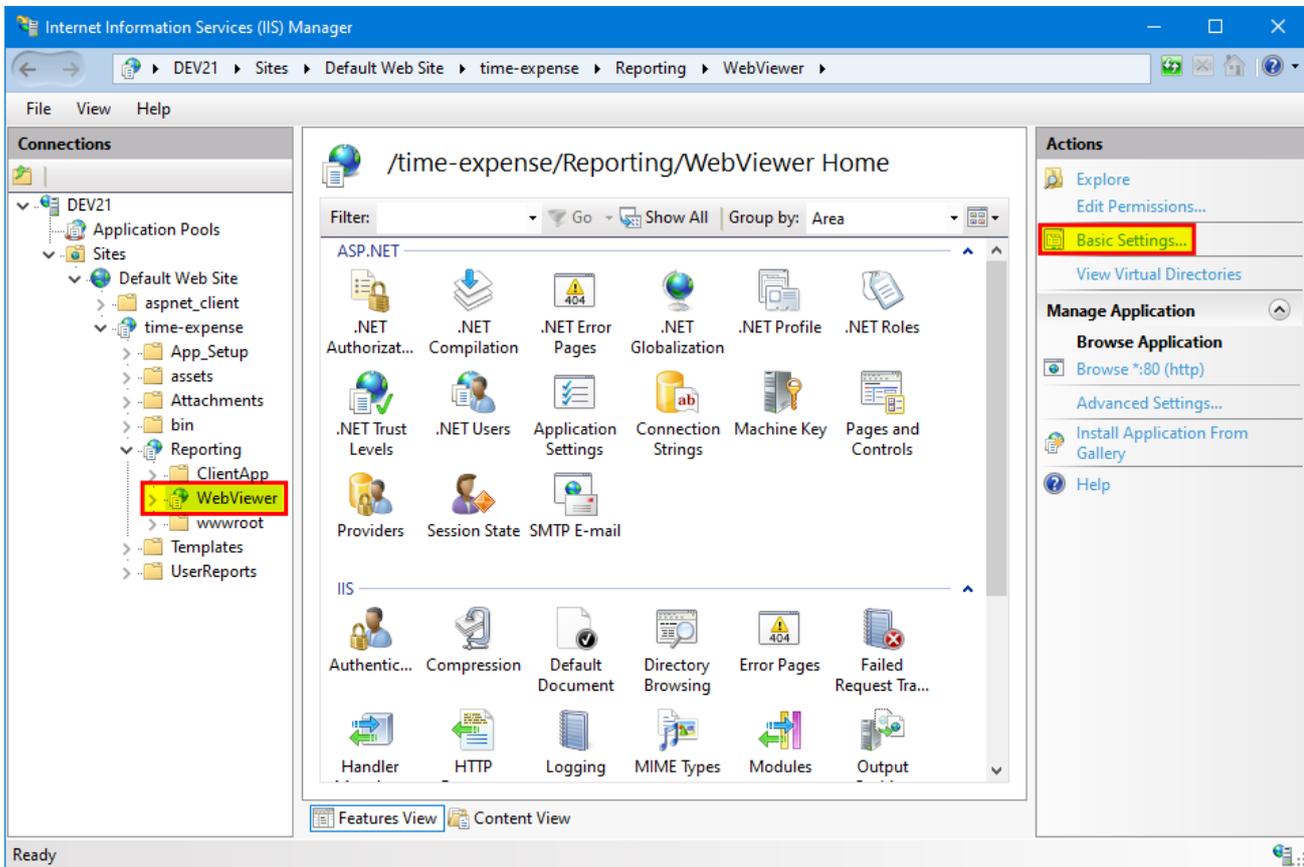


Verify that **Application pool** is "Project Cost Reporting", if not, change to "Project Cost Reporting" (if "Project Cost Reporting" Application pool does not exist, see [Create Application Pools](#) to create Application pool)

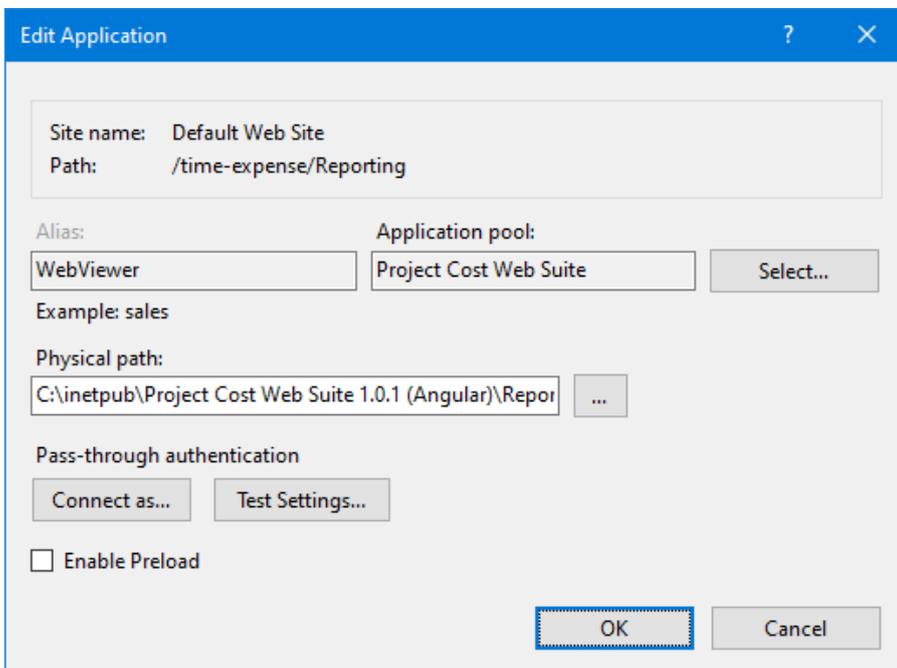


Click **OK**.

In the Connections pane, expand Reporting, select WebViewer, in Action Pane, click **Basic Settings** (if **Basic Settings** does not exist in Action Pane, see [Convert WebViewer to Application](#))



Verify that **Application pool** is "Project Cost Web Suite", if not, change to "Project Cost Web Suite" (if "Project Cost Web Suite" Application pool does not exist, see [Create Application Pools](#) to create Application pool)



Click **OK**.

6. Setup and Configure Project Cost Web Suite

Open Setup.exe (located by default in [C:\inetpub\Project Cost Web Suite #.#.# \(Angular\)\App_Setup](C:\inetpub\Project Cost Web Suite #.#.# (Angular)\App_Setup)) folder, where #.#.# is the version):

Project Cost Web Suite Setup

Close Save SQL Logo Advanced IIS Info 1.0.1 (2022-10-31)

SQL Server

System

Domain DEV21

Application Path /

Authentication Project Cost Windows

Disable Expense

Disable Time

Email Alert Template (xslt file) emailalert_plaintext.xslt

Email Alert Subject Time & Expense Transactions Need Your Attention

Lockout Features Enabled

Lockout Window (Minutes) 30

Max Attachment Size 10,485,760

Pay Period Range (Days) 100

Recent Transactions (Days) 30

Recent Transactions (Number) 10

Standard SOP Comments

Submission Return Count 6

Title Project Cost Web Suite

Web Suite Directory: C:\inetpub\Project Cost Web Suite 1.0.1 (Angular) SQL: Not Connected

SQL Server: The SQL Server instance name, see [SQL Settings](#).

System: The GP system database name, see [SQL Settings](#).

Domain: The Active Directory Domain (used by Single Sign-On).

Application Path: When the Project Cost Web Suite is installed as its own site, Application Path will be "/". If the Project Cost Web Suite is installed as the child of another site, the Application Path will be the value used for Alias in Internet Information Services (IIS) Manager, for example if the Alias is "time-expense", then the Application Path will be **"/time-expense/"** (the leading and trailing forward-slash are required). Alternatively, you can use the [IIS Info](#) window to set the Application Path.

Authentication: If using Single Sign-On, the select "Windows", else select "Project Cost". If using "Windows", then verify that Windows Authentication is enabled in IIS, see [IIS Info](#).

Disable Expense and **Disable Time:** Check these if you wish to disable Expense entry or Time entry in the Project Cost Web Suite.

Email Alert Template: The template used to compose an email sent to users when their time or expense transactions are rejected by an approver.

Email Alert Subject: The subject used for the email sent to users when their time or expense transactions are rejected by an approver.

Lockout Features Enabled: If enabled, an IP address is locked out when there are too many invalid login attempts. After the 3rd attempt, the IP address is locked out for 16 seconds, each attempt after that doubles the lockout time up to the Lockout Window (Minutes).

Lockout Window (Minutes): The maximum lockout time and the amount of time since last attempt information about a specific IP address is retained.

Max Attachment Size: The maximum allowed size in bytes of an attachment.

Pay Period Range (Days): The range of days (plus or minus) that transactions can be entered.

Recent Transactions (Days): In the Week & Day views, shows recently used Project/Task combinations, this value limits the number of days to search for recently used Project/Task combinations. To show no recently used Project/Task combinations, set to 0.

Recent Transactions (Number): In the Week & Day views, shows recently used Project/Task combinations, this value limits the number of Project/Task combinations shown by showing the number of most recent.

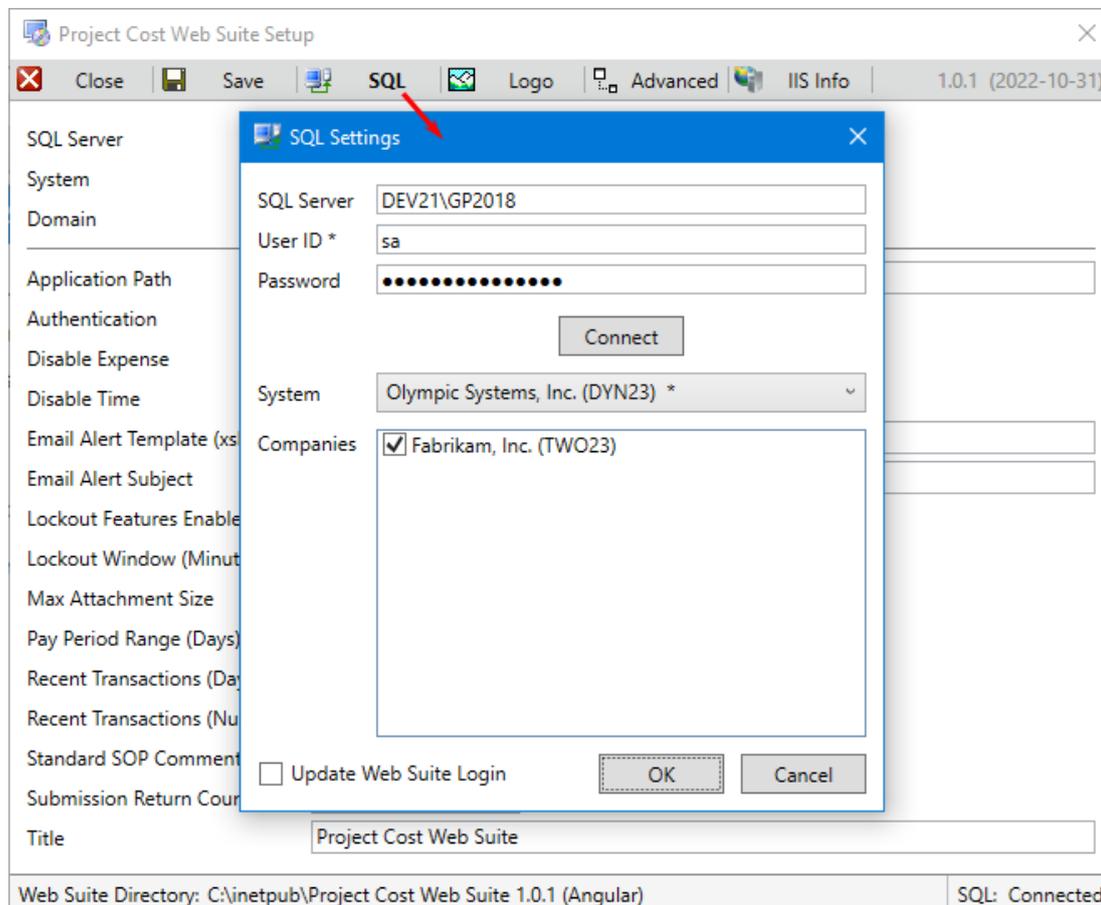
Standard SOP Comments: The standard built-in Microsoft Dynamics GP SOP Document reports will only print 4 lines of 50 characters from the 500 character SOP Comment. To print the full 500 characters that the SOP Comment can store requires custom reports. If using the standard reports, check this option. If using custom reports that will display the full 500 characters, leave this option unchecked.

Submission Return Count: The Submission view shows previous submissions, this value is used to limit how many are shown at a time, with a "More" option to retrieve another group of older submissions if there are any.

Title: The title that is shown on the Login and in the browser's title bar or the browser's page tab.

6.1. SQL Settings

Click **SQL**, to open the SQL Settings window:



Enter **SQL Server**, **User ID** and **Password**.

Note: Use a SQL User ID which has permissions to create SQL logins (for example: **sa**). The User ID and Password is used during setup to create a SQL login which will be used by the Project Cost Web Suite during regular operation, the User ID and Password are not stored or used at any other time.

Click **Connect**.

Select the **System**.

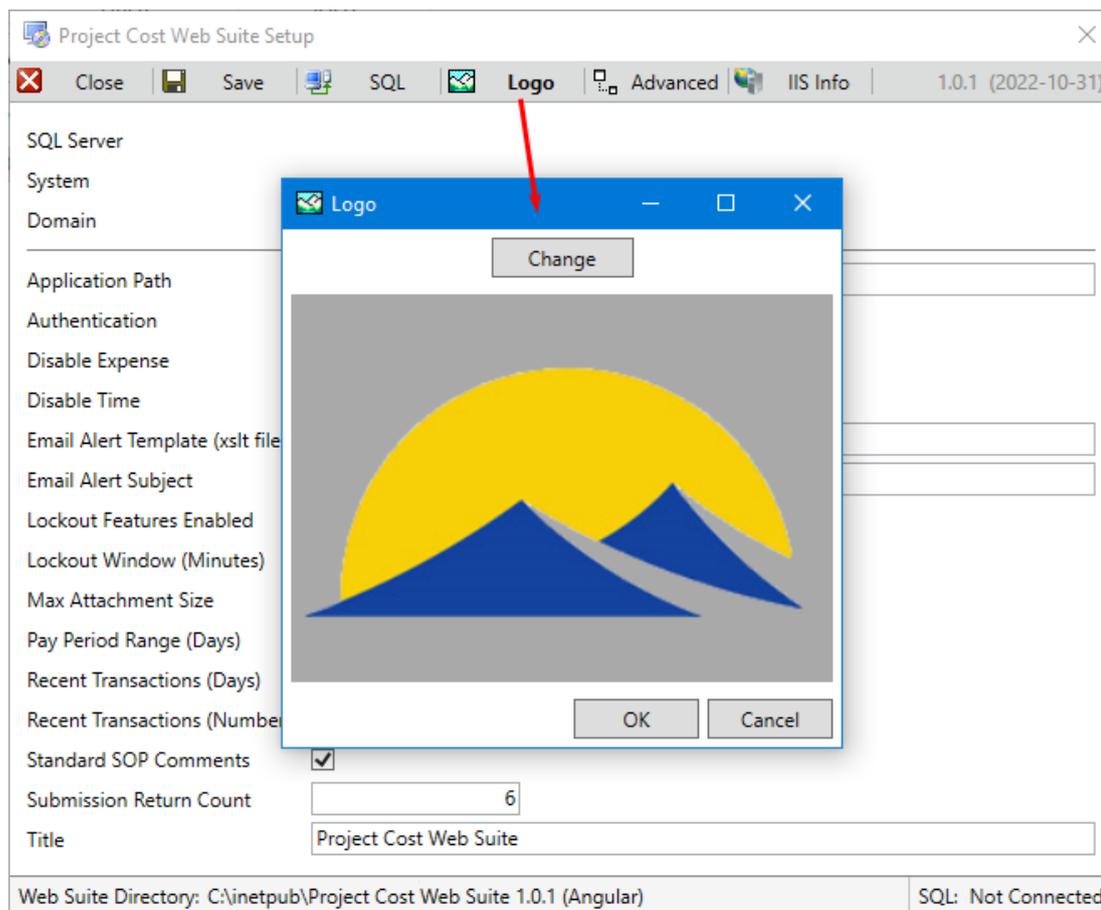
Check the **Companies** that will be available to the Project Cost Web Suite.

Click **OK**.

Check **Update Web Suite Login** to force setup to recreate the SQL login for the Project Cost Web Suite if it previously existed.

6.2. Logo

Click **Logo**, to open the Logo window:



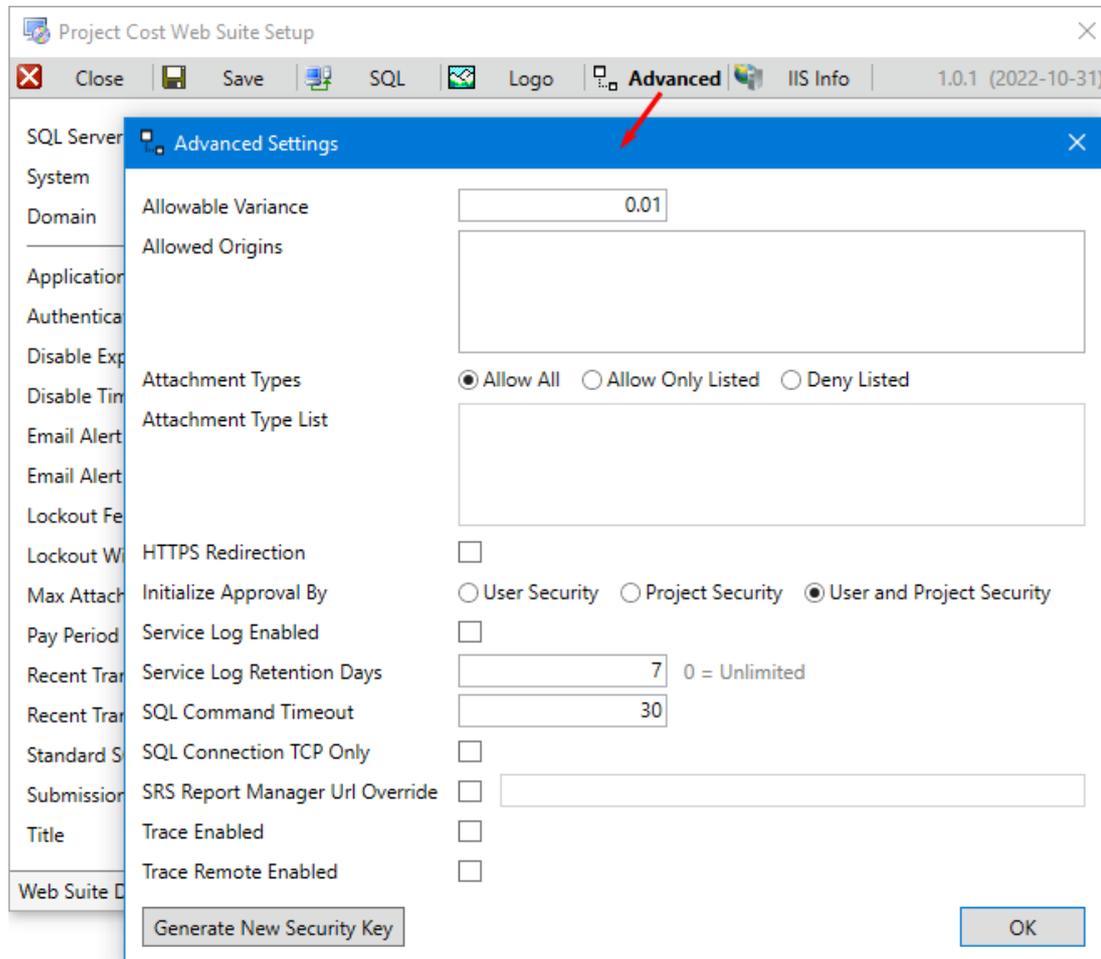
This window shows the current logo that is displayed on the login page.

Click **Change** to change the logo image. Image must be a .png file and should be approximately 250 pixels wide by 150 pixels high.

Find and select the image, then click **OK**.

6.3. Advanced

Click **Advanced**, to open the Advanced Settings window:



Allowable Variance: Allowable rounding variance.

Allowed Origins: Not used.

Attachment Types:

- **Allow All:** All attachment types are allowed.
- **Allow Only Listed:** Only allows attachment types listed in **Attachment Type List**.
- **Deny Listed:** Allows all attachment types except those listed in **Attachment Type List**.

Note: There are certain file types that are always blocked, regardless of these settings, see [Standard Blocked File Types](#).

Attachment Type List: List of attachment types that are either allowed or denied.

HTTPS Redirection: Not used.

Initialize Approval By:

- **User Security:** Approval transactions will be included because the approver has rights to approve the user who created the transaction.
- **Project Security:** Approval transactions will be included because the approver has rights to approve the Project and Task assigned to the transaction.
- **User and Project Security:** Approval transactions will be included because the approver has rights to approve the user who created the transaction or the approver has rights to approve the Project and Task assigned to the transaction.

Note: This is to improve performance if only one type of security is being used, the default is User and Project Security.

Service Log Enabled: Enables logging of Web API service.

Service Log Retention Days: Number of days to retain Service Log entries.

SQL Command Timeout: Amount of time in seconds before a SQL command will timeout.

SQL Connection TCP Only: Only allow TCP/IP connection type when connecting to the SQL server.

SRS Report Manager URL Override: Overrides SRS Report Manager URL. SRS Report Manager URL comes from **Microsoft Dynamics GP → Administration → Setup → Reporting Tools Setup**. Check the box to override the URL from Microsoft Dynamics GP, type the new URL in the text box or leave the text box empty to hide the **Reporting Service Reports** button in the Project Cost Web Suite.

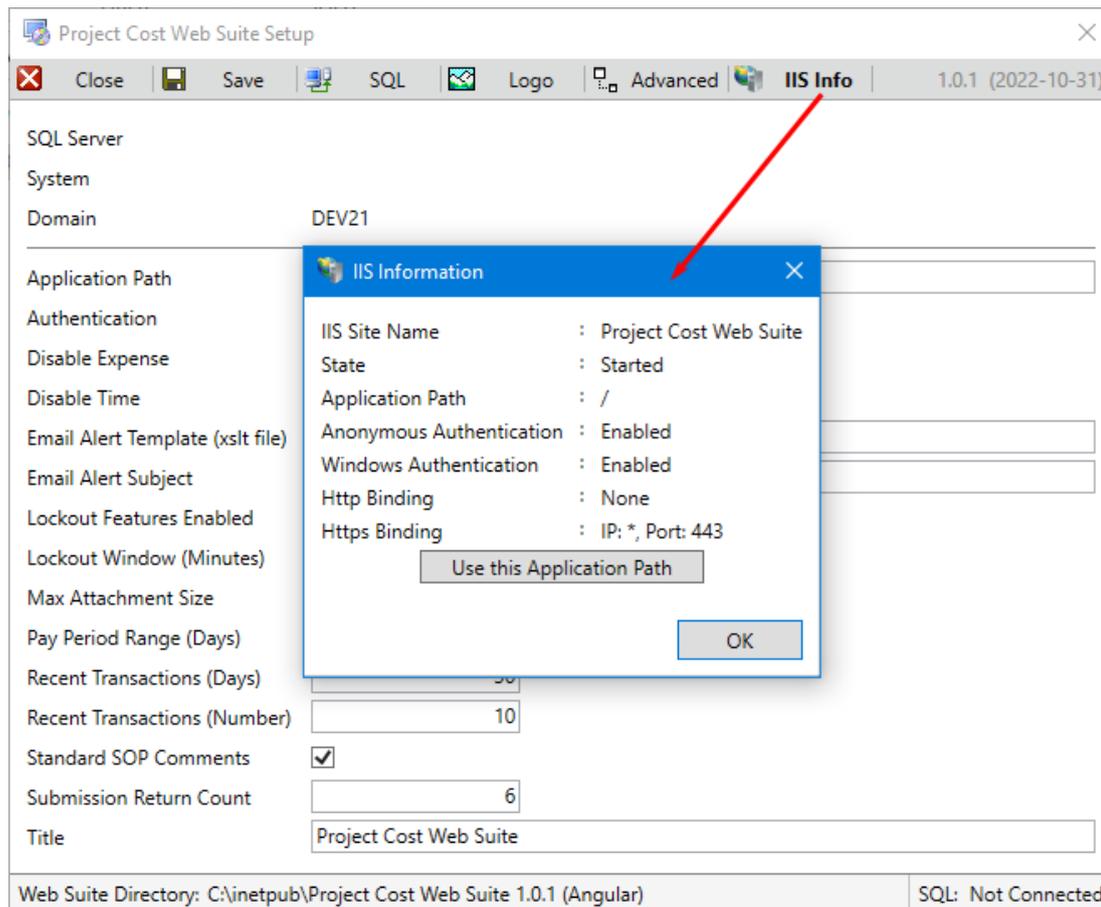
Trace Enabled: Enables tracing for the purpose of debugging issues. Trace can be viewed by opening a second tab in the browser and navigating to **<site base url>/trace.axd**. For example, if the site base URL is <https://www.fabrikam.com/time-expense>, to view the trace, navigate to <https://www.fabrikam.com/time-expense/trace.axd>

Trace Remote Enabled: Enables trace to be viewed from a remote computer.

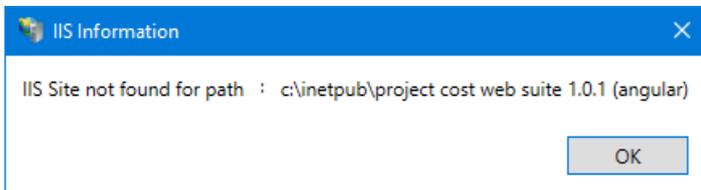
Generate New Security Key: Generates a new security key used by JWT tokens. This will invalidate any tokens currently in use, forcing users to login again.

6.4. IIS Info

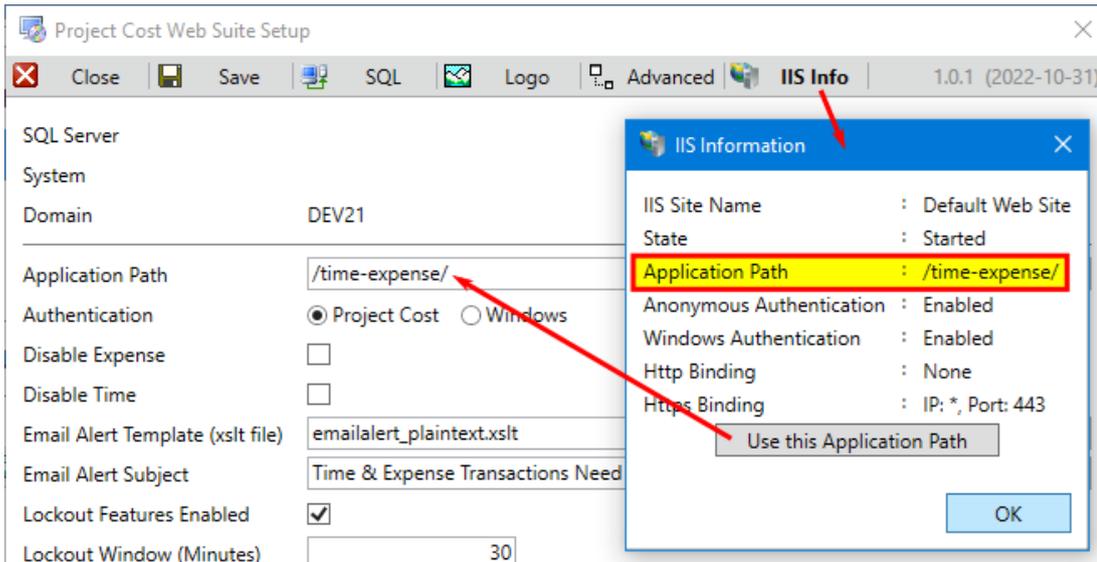
The IIS Info window will show information from IIS:



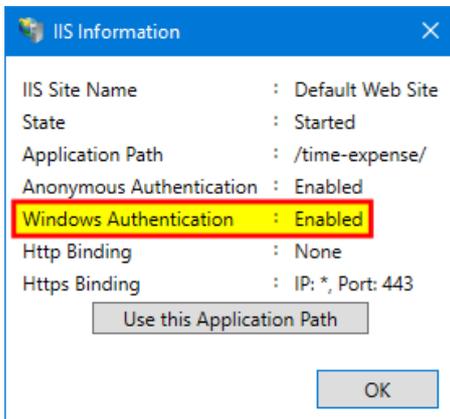
If the Project Cost Web Suite is not setup in IIS, then the IIS Info window will not show any information and instead will show an error:



From the IIS Info window, you can use **Use this Application Path** to set the **Application Path** setting on the main setup window:



If using Single Sign-On, verify that Windows Authentication is enabled, if it is not enabled, enable in Internet Information Services (IIS) Manager:

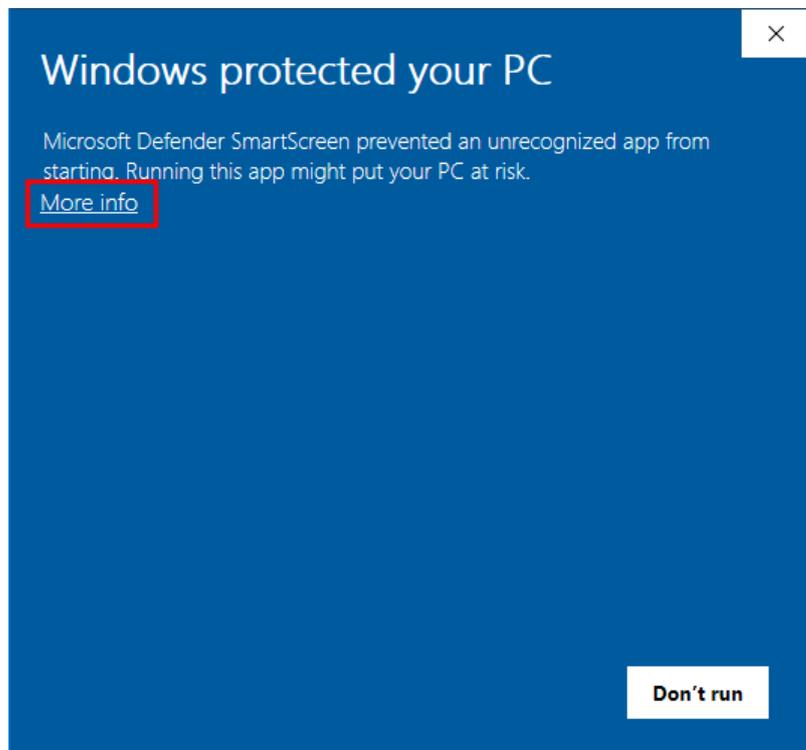


7. Appendix

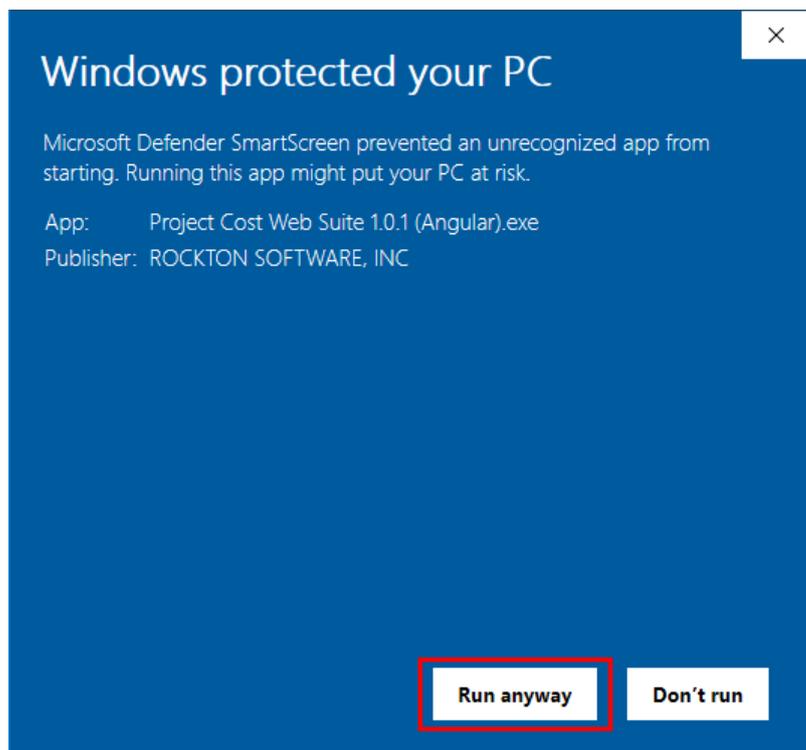
7.1. Blocked downloads

When trying to run an application downloaded from the Internet, you may experience issues and warnings:

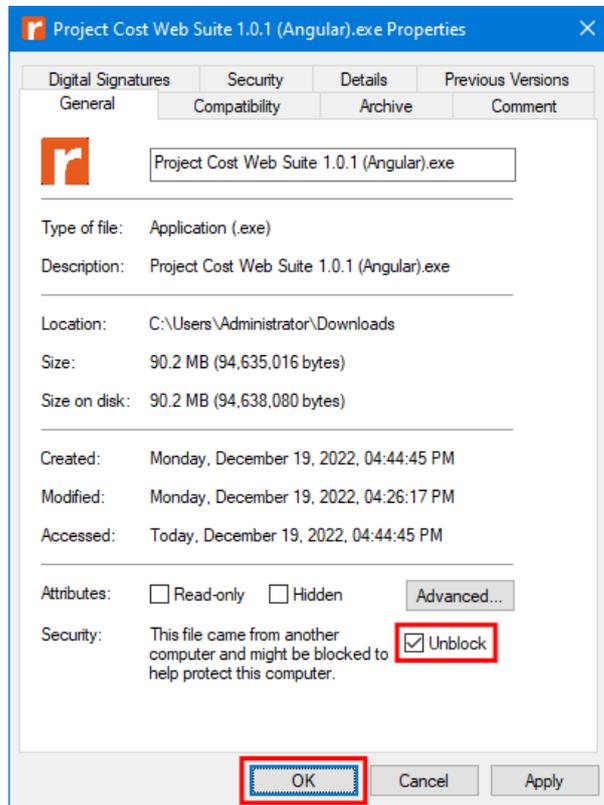
If you see a warning similar to the following example, click "More info"



Then you should see something similar to the following example, click "Run anyway".



Alternatively, right-click the downloaded file, click **Properties**, you should see something similar to:



Check **Unblock** and click **OK**. Then run the application again.

7.2. Standard Blocked Attachment Types

The following is a list of attachment file types that are always blocked:

Extension	Description
ade	Microsoft Access Project Extension
adp	Microsoft Access Project
app	Application File
application	Click-Once Application
asa	ASP Declarations File
ashx	ASP.NET Web Handler File
asmx	ASP.NET Web Services Source File
asp	Active Server Pages
aspx	ASP.NET Active Server Pages
bas	Microsoft Visual Basic Class Module
bat	Batch File
bin	Binary File
cdx	Compound Index
cer	Certificate File
chm	Compiled HTML Help File
class	Java Class File
cmd	Microsoft Windows NT Command Script
com	Microsoft MS-DOS Program
config	Configuration File
cp1	Control Panel Extension

crt	Security Certificate
cs	Script File
dll	Windows Dynamic-Link Library
drv	Driver File
exe	Program
fxp	Microsoft Visual FoxPro Compiled Program
fon	Font File
font	Font File
gadget	Windows Desktop Gadget
hlp	Help File
hta	HTML Program
htr	Script File
htw	HTML Document
ida	Internet Information Services File
idc	Internet Database Connector File
idq	Internet Data Query File
inf	Autorun
ins	Internet Naming Service
isp	Internet Communication Settings
its	Internet Document Set File
jar	Java Executable
je	JScript File
js	Javascript File
jse	JScript Encoded Script File
ksh	Korn Shell Script File
lib	Program Library Common Object File Format
lnk	Shortcut
mad	Shortcut
maf	Shortcut
mag	Shortcut
mam	Shortcut
maq	Shortcut
mar	Shortcut
mas	Microsoft Access Stored Procedure
mat	Shortcut
mau	Shortcut
mav	Shortcut
maw	Shortcut
mda	Microsoft Access Add-In Program
mdb	Microsoft Access Program
mde	Microsoft Access MDE Database
mdt	Microsoft Access Data File
mdw	Microsoft Access Workgroup
mdz	Microsoft Access Wizard Program
msc	Microsoft Common Console Document
msh	Microsoft Agent Script Helper
msh1	Microsoft Agent Script Helper

msh1xml	Microsoft Agent Script Helper
msh2	Microsoft Agent Script Helper
msh2xml	Microsoft Agent Script Helper
mshxml	Microsoft Agent Script Helper
msi	Microsoft Windows Installer Package
msp	Microsoft Installer Patch Package File
mst	Visual Test Source File
obj	Relocatable Object Code
ocx	Object Linking and Embedding Control Executable
ops	Microsoft Office Profile Settings File
pcd	Photo CD Image or Microsoft Visual Test Compiled Script
pgm	CGI Program
pif	Shortcut to MS-DOS Program
prf	System File
prg	Program Source File
printer	Printer File
ps1	Windows PowerShell Script
ps1xml	Windows PowerShell Script
ps2	Windows PowerShell Script
ps2xml	Windows PowerShell Script
psc1	Windows PowerShell Script
psc2	Windows PowerShell Script
pst	Microsoft Outlook Personal Folder File
reg	Registry Entries
rem	ACT! Database Maintenance File
scf	Windows Explorer Command File
scr	Screen Saver
sct	Script File
shb	Windows Shortcut
shs	Shell Scrap Object
shtm	HTML file that contains server-side directives
shtml	HTML file that contains server-side directives
soap	Simple Object Access Protocol File
stm	HTML file that contains server-side directives
sys	System Device Driver
url	Uniform Resource Locator (Internet Shortcut)
vb	Microsoft Visual Basic Scripting Edition File
vbe	VBScript Encoded Script File
vbs	VBScript File
vxd	Virtual Device Driver
ws	Windows Script File
wsc	Windows Script Component
wsf	Windows Script File
wsh	Windows Script Host Settings File