



# Project Cost New System Installation Guide

For:  
Microsoft Dynamics<sup>TM</sup> GP

Version  
18.01.01



PROJECT COST BY OLYMPIC SYSTEMS, INC.

# New System Installation Guide

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## Introduction

Welcome to Olympic Systems' Project Cost system, a comprehensive project cost management system for Microsoft Dynamics - GP accounting systems. Olympic Project Cost is composed of a series of modules and browser based web applications that focus on managing, recording and reporting of project cost.

Our goal was to build a fully integrated cost accounting extension to that would be Easy to Use, Easy to Understand and Easy to Manage.

Our Project Cost system integrates with Microsoft Dynamics GP's System Manager. Additionally, Project Cost extends functionality to the following Modules:

- General Ledger
- Payables Management
- Receivable Management
- Payroll
- Sales Order Processing
- Inventory Control
- Purchase Order Processing
- SmartList

## Operational Notes for Project Cost

- **Version Upgrades Must be Completed in Succession**

Because Olympic Systems is actively developing new features and improving functionality of Project Cost – Table changes are common in our version releases. Olympic Systems builds update utilities into each version upgrade which are designed to handle these table changes.

**Skipping over a version will cause data corruption and create unnecessary and costly recovery process.**

Please follow the instructions in the Version Upgrade Installation Guide which is available by download on our partner web site.

- **Module Compatibility**

Project Cost is compatible with most modules which are compliant with the “Best Practice” principals prescribed by Microsoft. Project Cost programs with these principals and has passed the Certified for Microsoft Dynamics-GP testing.

A list of known compatible ISV products is available on our website at:

<http://www.projectcost.net/isvpartnerproducts.aspx>

**Known product conflicts:**

- GP PO Enhancements
- GP HPR – Position Control Module
- GP Intercompany – Project Transactions Only
- GP Project Accounting
- GP Revenue/Expense Deferrals
- GP Service Management including RMA Module
- Binary Stream Products

- **Purchase Tax Compatibility**

Project Cost is compatible with Purchase Taxes based on “Percent of Sale/Purchase.”

For organizations that require Canadian GST – Please see our information on Support of Canadian GST Taxes.

- **Recording Quantity or Unit Price with 3 or more decimals**

If planning to use 3 or more decimal places for T&E transactions- be sure to have SOP options set to handle the desired number of decimal places.

Microsoft Dynamics GP >> Tools >> Setup >> Sales >> Sales Order Processing

Then set the Decimal Places for Non-Inventory Items.

Project Cost data is stored within the Microsoft Dynamics GP database.

We recommend that the user follows all maintenance procedures recommended by Microsoft for the Microsoft Dynamics GP System.

*No special backup or restore procedures are needed above those normally used by the Microsoft Dynamics GP System.*

The following table lists additional resources that may need to be included in your maintenance plan:

Item	Items to back up
PCFRMS.dic	If Project Cost windows have been customized using the Modifier, back up the PCFRMS.dic when you install it, or monthly if you use the Modifier to make additional customizations.
PCRPTS.dic	If you use Report Writer to modify or create reports, back up the PCRPTS.dic file monthly as part of your system backups, or more frequently as changes are made.

## Extensibility & Customization

Project Cost uses the Microsoft Dynamics GP architecture Dexterity customization and extension capabilities.

For more information about extending or customizing Project Cost please contact our office or refer to one of the following resources:

- Microsoft Dynamics GP Integration Guide
- Microsoft Dynamics GP Modifier User Guide
- Microsoft Dynamics GP VBA Developer's Guide

## Windows Requiring Special Access

In order to enhance security and control to sensitive areas of our application - Project Cost requires that the user enter the System Password (if activated) and/or access the window as a system administrator.

Window Name	System Password Required	System Administrator
PC SQL Maintenance	Yes	DYNSA or sa
PC System Setup	Yes	No
PC Project Audit	Yes	No
PC Task Audit	Yes	No
PC Transaction Audit	Yes	No



## Prerequisite Software and Settings

Before you can install the Project Cost software, you must complete the installation of Microsoft Dynamics GP and depending on the options selected; users may also need to install Internet Information Services (IIS) and ASP.NET.

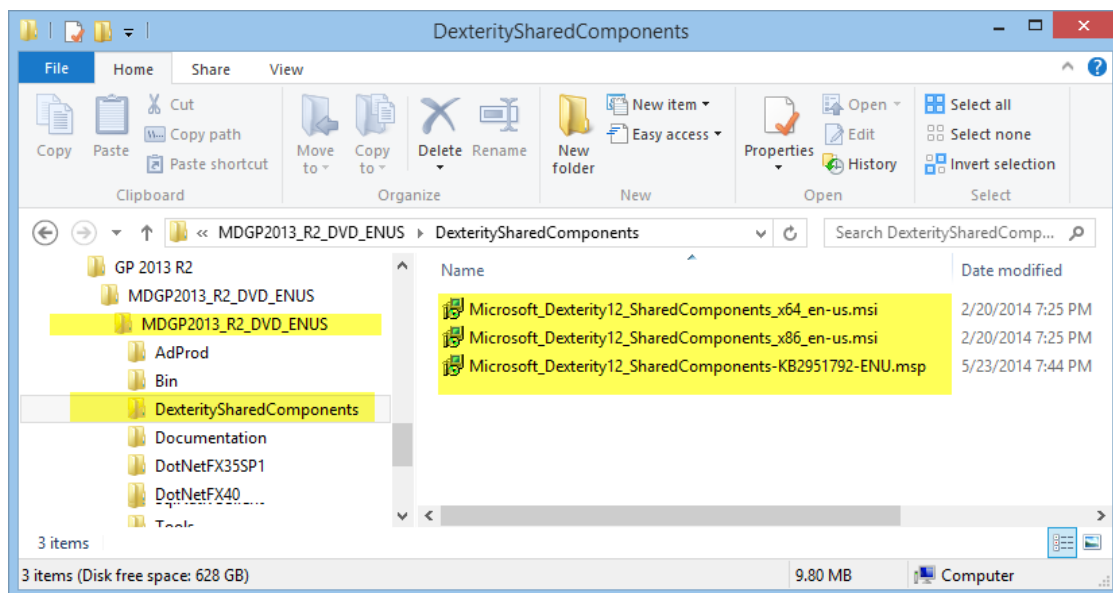
Project Cost is dependent on users having specific features setup in Dynamics GP. Please review the PC Basic Setup Requirements for Project Cost.pdf that is available for download from the Project Cost Partner Site.

### Dexterity Shared Components

The Project Cost Web-Based Time & Expense Entry and Management Approval Tools require installation of the Dexterity Shared Components on the server running Internet Information Services (IIS) tools.

Microsoft Dynamics GP installs these Components automatically when the GP client software is installed, however, if the IIS tools are deployed on a separate server (such as a dedicated web server) you must manually install the Dexterity Shared Components.

Dexterity Shared Components are available on the installation software media package. Select the correct MSI for the server's Operating System and follow the install wizard.



### Microsoft .NET Framework 4.5.2

The Project Cost Web-Based Time & Expense Entry and Management Approval Tools require installation of Internet Information Services (IIS) tools. This requires the latest update to Microsoft .NET Framework (as of this printing it is Microsoft .NET Framework 4.5.2). Download this from Microsoft's download site. <http://www.microsoft.com/en-us/download/details.aspx?id=42643>

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.

## SQL Server Configuration Settings GP for Project Cost

### Set SQL Server Network Configuration Settings

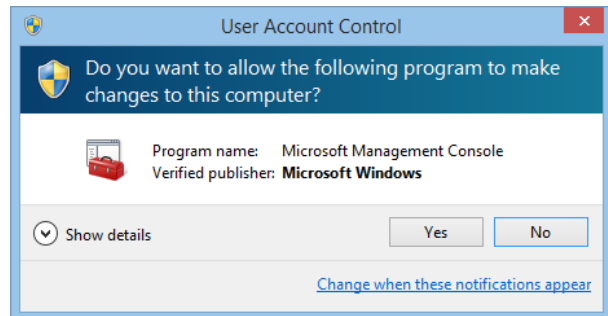
Project Cost requires that the SQL Server Networks Configuration Settings be set to allow TCP/IP connections.

Start the SQL Server Configuration Manager

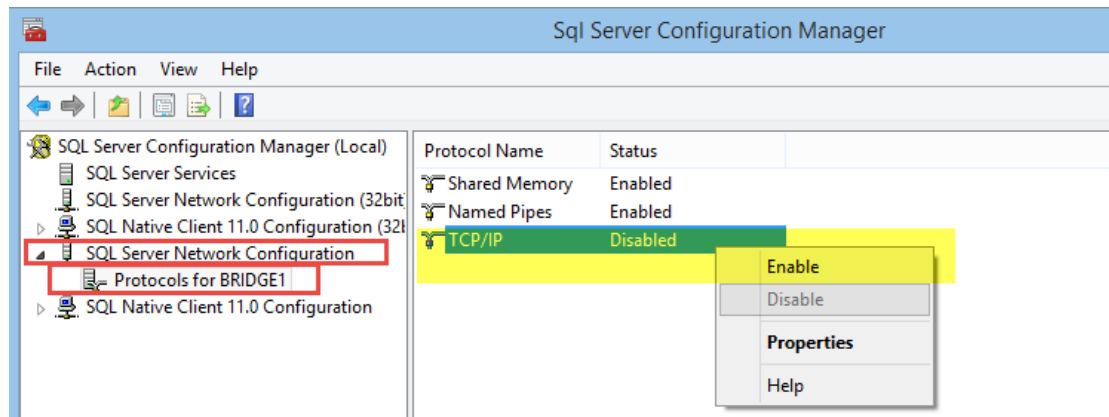
**Start >> Programs >> Microsoft SQL Server (version) >> Configuration Tools >> SQL Server Configuration Manager**

Right Click on SQL Server Configuration Manager and select Run As Administrator

Depending on your User Account Control settings you may receive a warning message – Click Yes and proceed



In the Sql Server Configuration Manager window – expand SQL Server Network Configuration

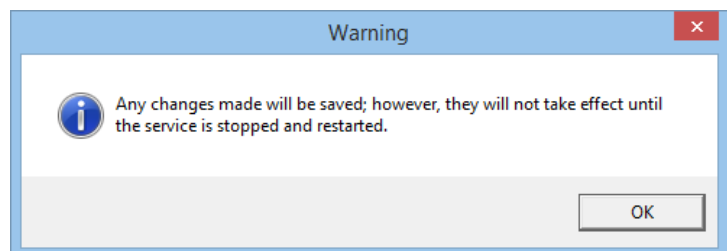


Click on Protocols for [your SQL Server name]

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

Right Click on the Protocol Name: TCP/IP

Select Enable



Restart SQL Server to apply the setting change.

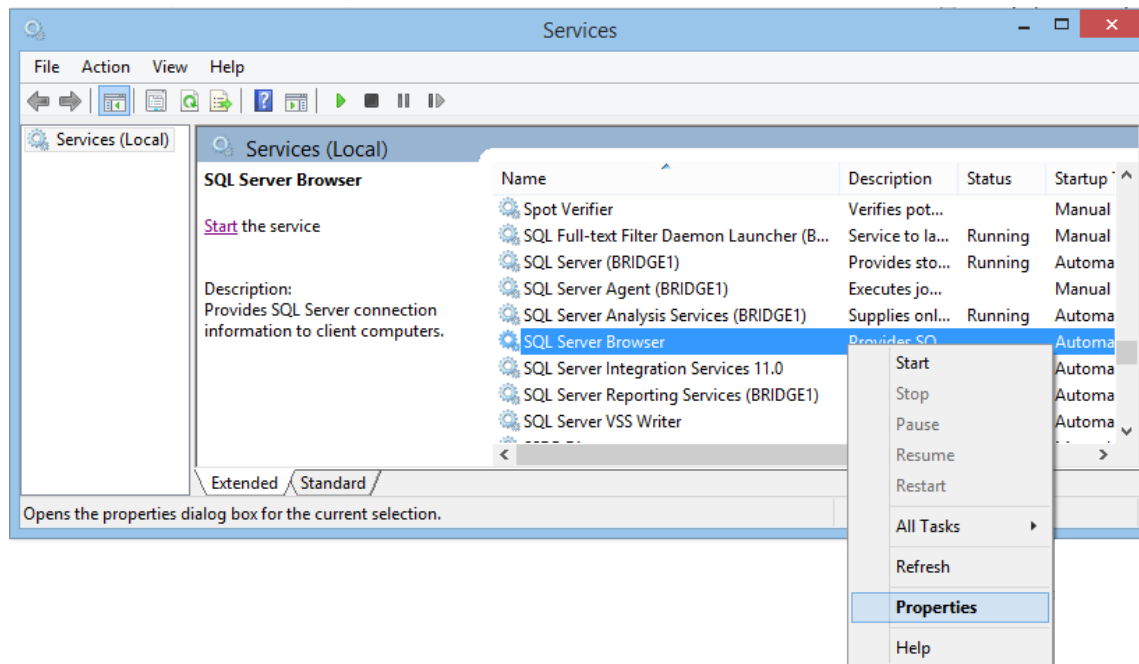
## Set SQL Server Browser Service Settings

Project Cost requires that the SQL Server Browser service is running and set to run automatically when using any of our Web based tools.

Start the Services Manager window

**Start >> Control Panel >> Administrative Tools >> Services**

Scroll down to find the SQL Server Browser service  
Right-Click on the Service and select Properties

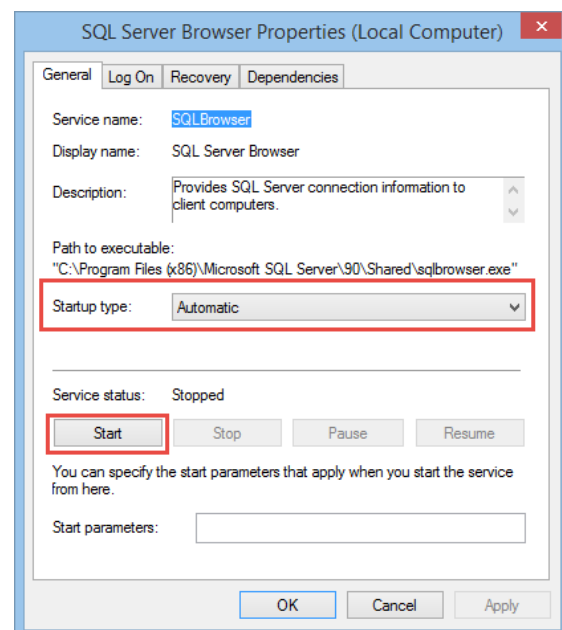


In the SQL Server Browser Properties window

Set the Startup Type to Automatic

Click the Start button

After the service is started Click the Ok button



## Set SQL Server Agent Service Settings

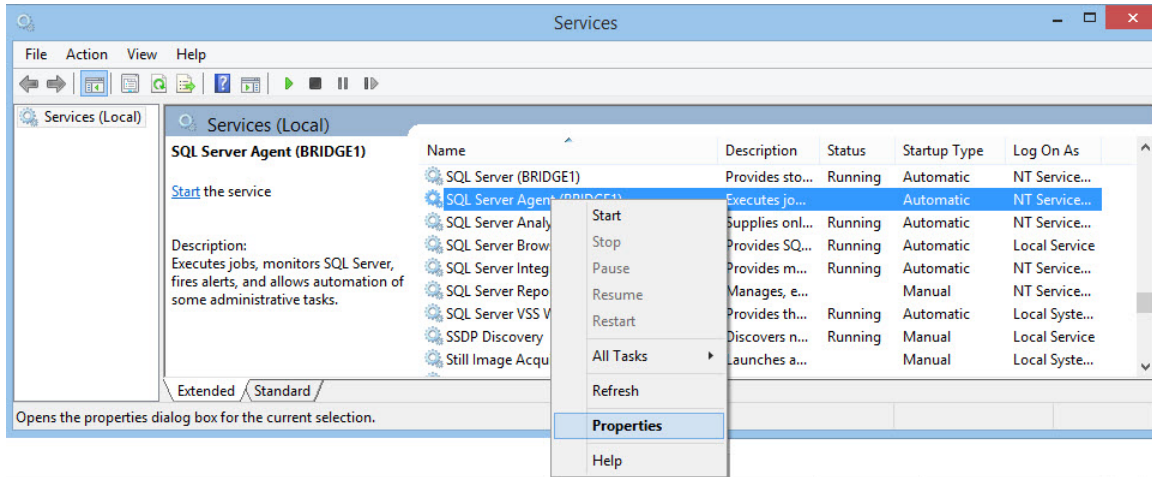
Project Cost requires that the SQL Server Agent service is running and set to run automatically.

Start the Services Manager window

**Start >> Control Panel >> Administrative Tools >> Services**

Scroll down to find the SQL Server Agent service

Right-Click on the Service and select Properties

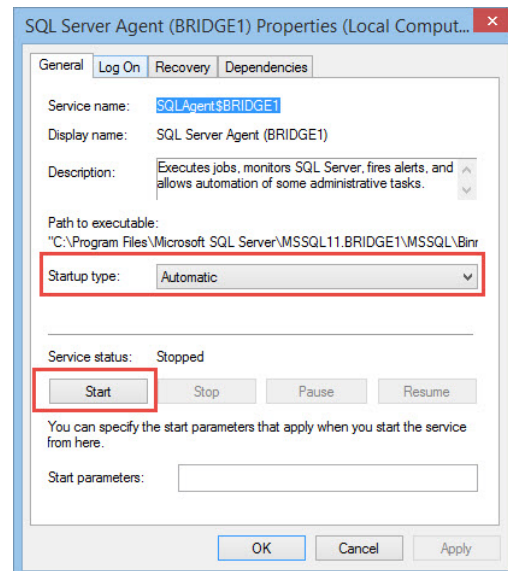


In the SQL Server Agent Properties window

Set the Startup Type to Automatic

Click the Start button

After the service is started Click the Ok button

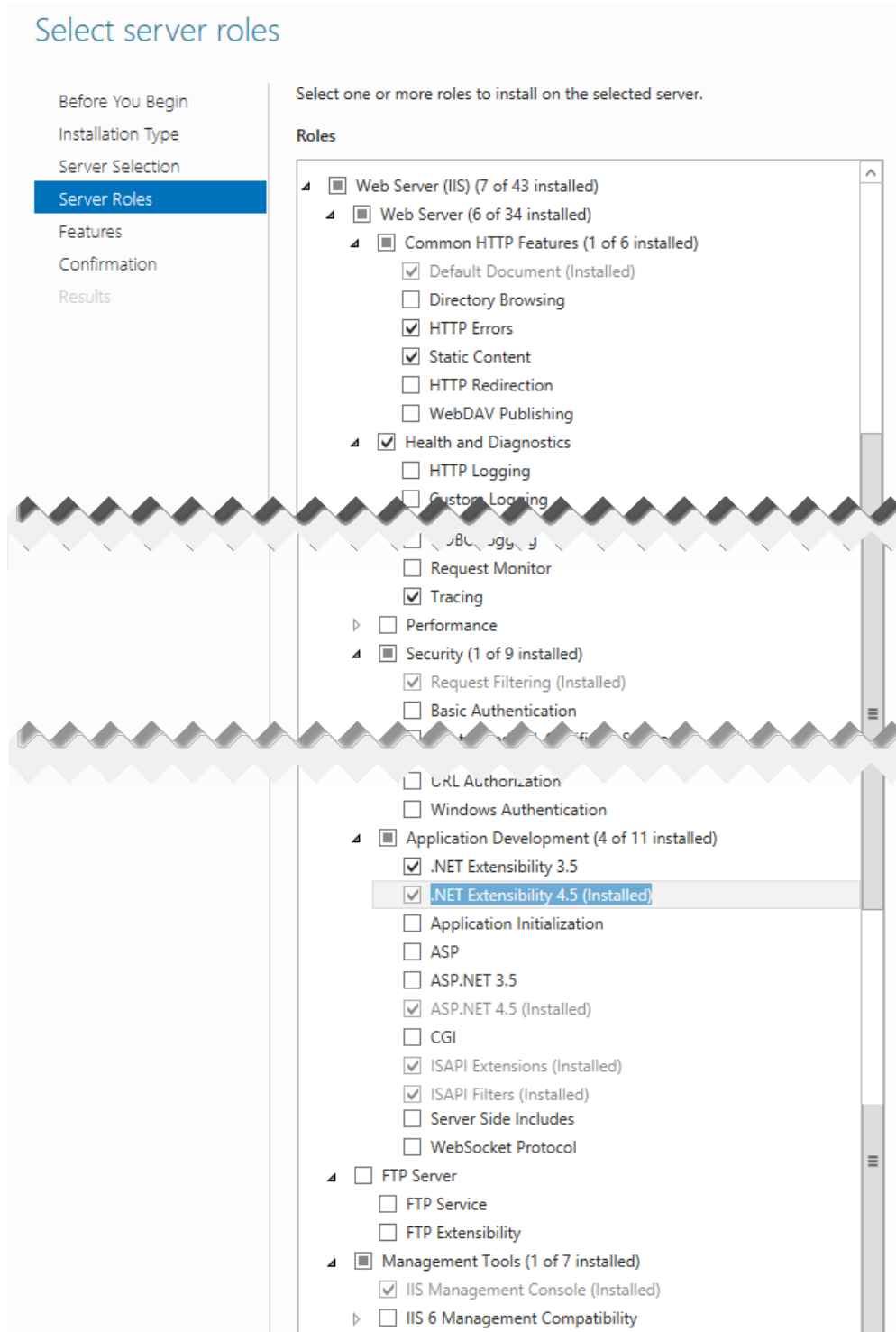


## Setup for Internet Information Services (IIS) for Project Cost

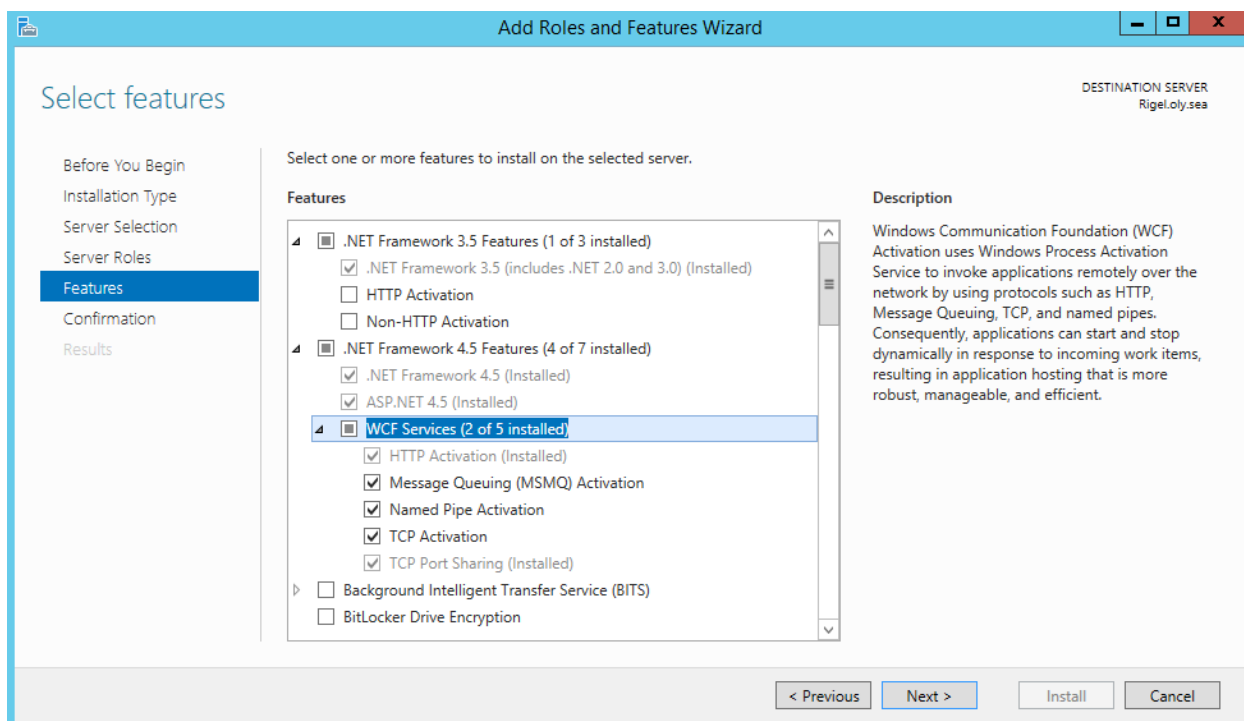
The Project Cost Web-Based Time & Expense Entry and Management Approval Tools require installation of Internet Information Services (IIS) tools. Each version of Windows has different installation and setup procedures – You should work with you IT staff for the best options to be selected for your business operations.

Below are the IIS Roles and Role Services options available to activate in IIS. We have highlighted the options needed by Project Cost. 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.

### IIS Roles/Role Services/Role Features



Required?	Role/Role Service
	<b>Web Server (IIS)</b>
	<b>Web Server</b>
	<b>Common HTTP Features</b>
Yes	Default Document
No	Directory Browsing
Yes	HTTP Errors
Yes	Static Content
No	HTTP Redirection
No	WebDAV Publishing
	<b>Health and Diagnostics</b>
No	HTTP Logging
No	Custom Logging
No	Logging Tools
No	ODBC Logging
No	Request Monitor
Yes	Tracing
	<b>Performance Features</b>
No	Static Content Compression
No	Dynamic Content Compression
	<b>Security Features</b>
No	Basic Authentication
For Single Sign On	Windows Authentication
No	Digest Authentication
No	Client Certificate Mapping Authentication
No	IIS Client Certificate Mapping Authentication
No	URL Authorization
Yes	Request Filtering
No	IP Security
	<b>Application Development Features</b>
Yes	.NET Extensibility 3.5
Yes	.NET Extensibility 4.5
No	Application Initialization
Yes	ASP
Yes	ASP.NET 3.5
Yes	ASP.NET 4.5
No	CGI
Yes	ISAPI Extensions
Yes	ISAPI Filters
No	Server-Side Includes
No	WebSocket Protocol
	<b>File Transfer Protocol (FTP) Server</b>
No	FTP Server
	<b>Management Tools</b>
Yes	IIS Management Console



Required?	Features
	<b>.NET Framework 3.5 Features</b>
Yes	.NET Framework 3.5 (includes 2.0 & 3.0)
No	HTTP Activation
No	Non-HTTP Activation
	<b>.NET Framework 4.5 Features</b>
Yes	.NET Framework 4.5
Yes	ASP.NET 4.5
	<b>WCF Services</b>
Yes	HTTP Activation
Yes	Message Queuing Activation
Yes	Named Pip Activation
Yes	TCP Activation
Yes	TCP Port Sharing

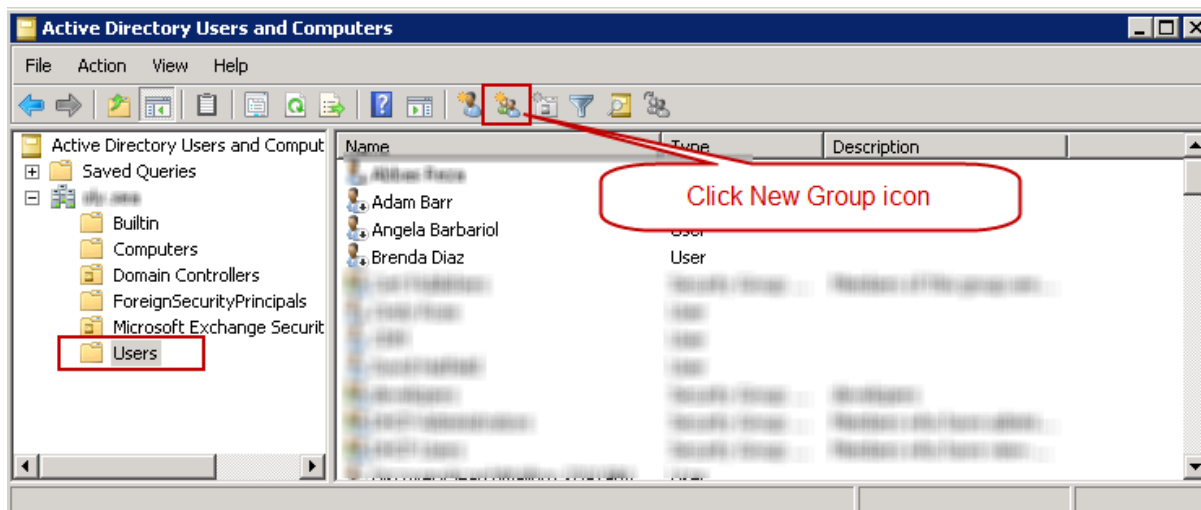
## Setup for Active Directory Single-Sign-On Authentication for PC Website

The Project Cost Web-Based Time & Expense Entry and Management Approval Tools have 2 methods of Sign-On Authentication – 1) Project Cost Sign-On and 2) Active Directory Single-Sign-On.

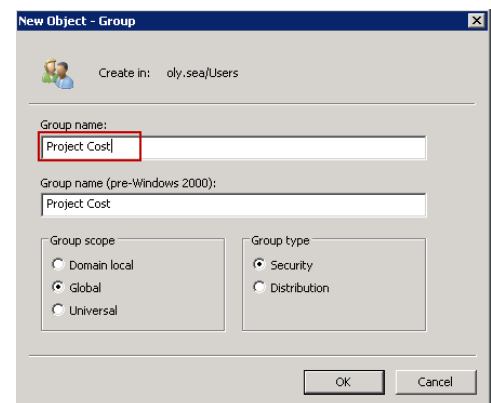
Project Cost Single Sign On uses an Active Directory User Group to filter users for access to Project Cost Website. The IT or Network Administrator must setup an Active Directory Security Group with the Users that will be using Project Cost Web Suite.

### Add Active Directory Group

1. Click **Start > Programs > Windows Administrative Tools > click Active Directory Users and Computers**.
2. In Active Directory Users and Computers window, expand <domain name>.com
3. In the console tree, right-click the folder in which you want to add a new group.



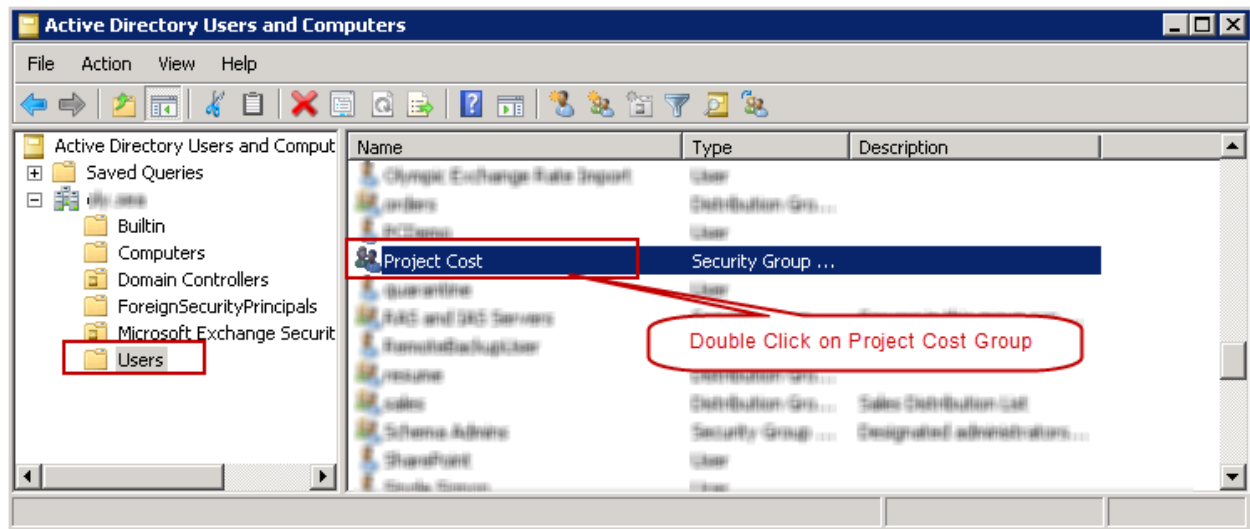
4. Click **New**, and then click **Group**.
5. Type "**Project Cost**" as the name of the new group.
6. In the **New Object - Group** dialog box, do the following:
  1. In **Group scope**, click **Global scope**.
  2. In **Group type**, click **Security**.
7. Click **OK**.



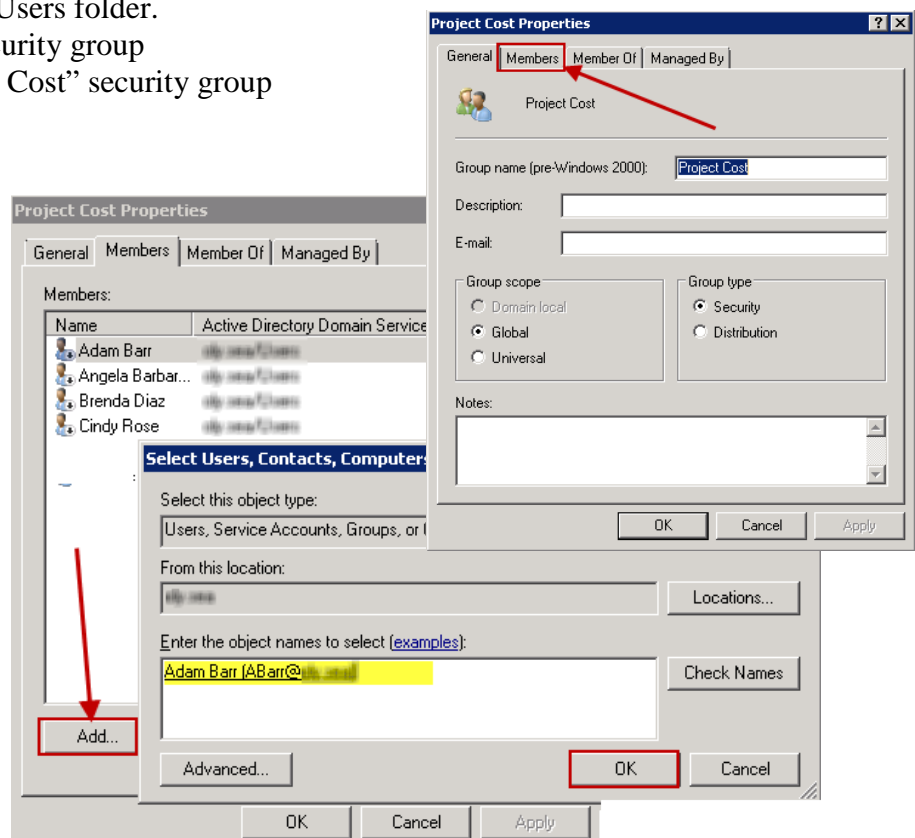
### Add Members to Security Group

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



# Project Cost Install Process

## Step 1 – BACK UP YOUR FILES

- Back Up Dynamics Database
- Back Up All Company Databases
- Back Up Dynamics.set file
- Back Up Project Cost Reports Dictionary (PCRPTS.DIC)
- Back Up Project Cost Forms Dictionary (PCFRMS.DIC)
- Create an Export Package of all Project Cost Modified Reports and Forms

## Step 2 – Remove All PC Forms and Reports Dictionaries

- Remove All PC Forms and Reports Dictionaries

Extract the Project Cost installation files to a folder on the local client or server disk drive.

## Step 3. – Copy Files to the Root Client Directory 2016

- PCMM##kxx.cnk (MM= major version number, #= minor version number & xx = service pack number)
- PC232.chm
- OlympicSystems.ProjectCost.AddIn.dll -- note this file is used for web client deployments
- OlympicSystems.ProjectCost.DexAssembly.dll
- OlympicSystems.ProjectCost.DxReporting.dll

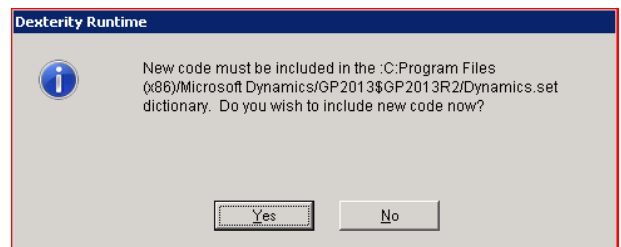
## Step 4. – Copy Files to the AddIns Directory

- OlympicSystems.ProjectCost.AddIn.dll

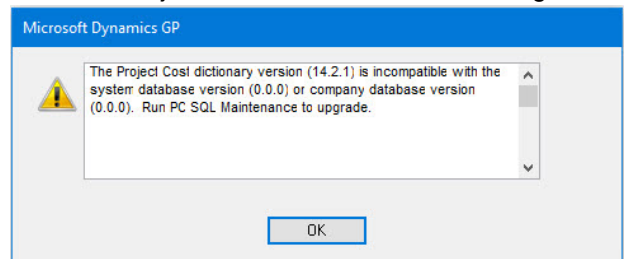
## Step 5. – Launch Microsoft Dynamics GP

Note: you should use the "Run As Administrator" option

(Accept the "Add New Code" if prompted)



Users will receive a message indicating that there is a different version of Project Cost installed and reminding them to run PC SQL Maintenance to upgrade the database



**Only the 'sa' user will be permitted to continue pass this point.** All other users will have the GP Launch process terminated.

**Click OK** to proceed

Step 6. – Navigate to Project SQL Maintenance Window

## Microsoft Dynamics GP >> Tools >> Utilities >> Project Cost >> SQL Maintenance

Note: Click  button to select multiple Databases

By default the software will select the current company DB and the System Database

Database	Description	Installed	Online
<input checked="" type="checkbox"/> DYN07	(System Database)	n/a	Yes
<input checked="" type="checkbox"/> TWO07	Fabrikam, Inc.	Yes	Yes
<input type="checkbox"/> TWP07	Fabrikam Div 2	No	Yes

### a. Select Tables

From the Radio Button option near the top left corner of the SQL Maintenance Window.

- Click the Mark All Button.
- Click the Process Button.

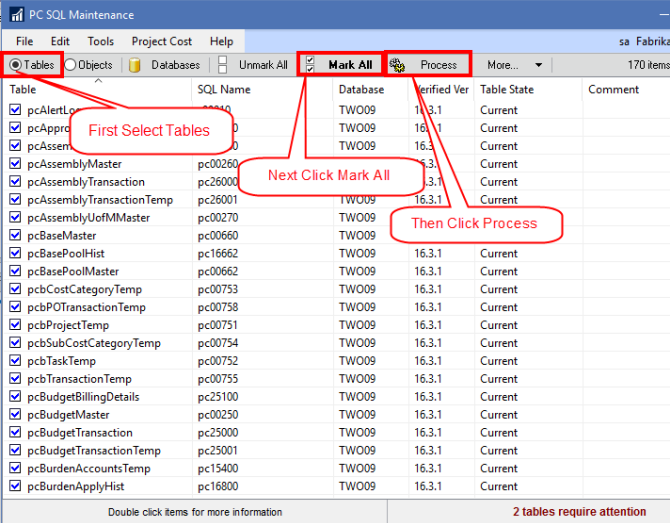


Table	SQL Name	Database	Verified Ver	Table State	Comment
<input checked="" type="checkbox"/> pcAlertLog	pcAlertLog	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcAppro	pcAppro	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcAssem	pcAssem	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcAssemblyMaster	pc00260	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcAssemblyTransaction	pc26000	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcAssemblyTransactionTemp	pc26001	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcAssemblyUofMMaster	pc00270	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcBaseMaster	pc00660	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcBasePoolHist	pc16662	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcBasePoolMaster	pc00662	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcBscCostCategoryTemp	pc00753	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcBscPOTransactionTemp	pc00758	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcBscProjectTemp	pc00751	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcBscSubCostCategoryTemp	pc00754	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcBscTaskTemp	pc00752	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcBscTransactionTemp	pc00755	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcBudgetBillingDetails	pc25100	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcBudgetMaster	pc00250	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcBudgetTransaction	pc25000	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcBudgetTransactionTemp	pc25001	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcBurdenAccountsTemp	pc15400	TWO09	16.3.1	Current	
<input checked="" type="checkbox"/> pcBurdenApplyHist	pc16800	TWO09	16.3.1	Current	

Project Cost will select all the tables and make the needed changes for processing.

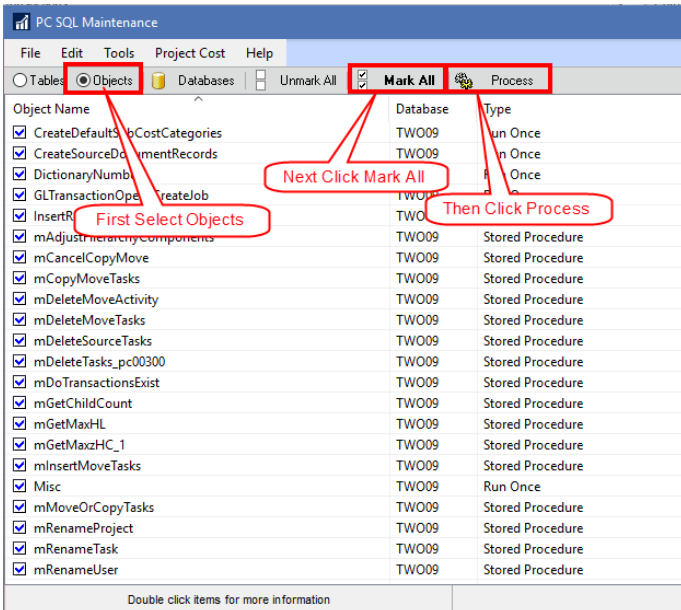
- Click the Back  Button.

Next

### b. Select Objects

From Radio Button option near the top left corner of the SQL Maintenance Window.

- Click the Mark All Button.
- Click the Process Button.



Object Name	Database	Type
<input checked="" type="checkbox"/> CreateDefaultSubCostCategories	TWO09	Run Once
<input checked="" type="checkbox"/> CreateSourceDocumentRecords	TWO09	Run Once
<input checked="" type="checkbox"/> DictionaryNumbers	TWO09	Run Once
<input checked="" type="checkbox"/> GLTransactionOpenCreateJob	TWO09	Run Once
<input checked="" type="checkbox"/> InsertR	TWO09	Stored Procedure
<input checked="" type="checkbox"/> mAdjustInventoryComponents	TWO09	Stored Procedure
<input checked="" type="checkbox"/> mCancelCopyMove	TWO09	Stored Procedure
<input checked="" type="checkbox"/> mCopyMoveTasks	TWO09	Stored Procedure
<input checked="" type="checkbox"/> mDeleteMoveActivity	TWO09	Stored Procedure
<input checked="" type="checkbox"/> mDeleteMoveTasks	TWO09	Stored Procedure
<input checked="" type="checkbox"/> mDeleteSourceTasks	TWO09	Stored Procedure
<input checked="" type="checkbox"/> mDeleteTasks_pc00300	TWO09	Stored Procedure
<input checked="" type="checkbox"/> mDoTransactionsExist	TWO09	Stored Procedure
<input checked="" type="checkbox"/> mGetChildCount	TWO09	Stored Procedure
<input checked="" type="checkbox"/> mGetMaxHL	TWO09	Stored Procedure
<input checked="" type="checkbox"/> mGetMaxHC_1	TWO09	Stored Procedure
<input checked="" type="checkbox"/> mInsertMoveTasks	TWO09	Stored Procedure
<input checked="" type="checkbox"/> Misc	TWO09	Run Once
<input checked="" type="checkbox"/> mMoveOrCopyTasks	TWO09	Stored Procedure
<input checked="" type="checkbox"/> mRenameProject	TWO09	Stored Procedure
<input checked="" type="checkbox"/> mRenameTask	TWO09	Stored Procedure
<input checked="" type="checkbox"/> mRenameUser	TWO09	Stored Procedure

Project Cost will make the needed changes for processing.

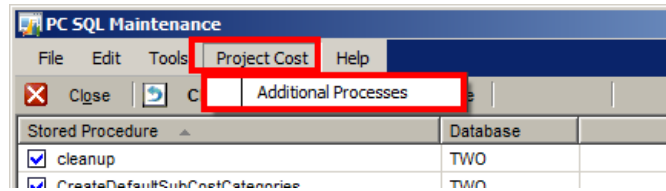
- Click the Back  Button.

**Report any other exceptions to our support line for assistance.**

## Next

### c. Initialize Project Cost Security Tasks

- Select Project Cost option on the PC SQL Maintenance window.

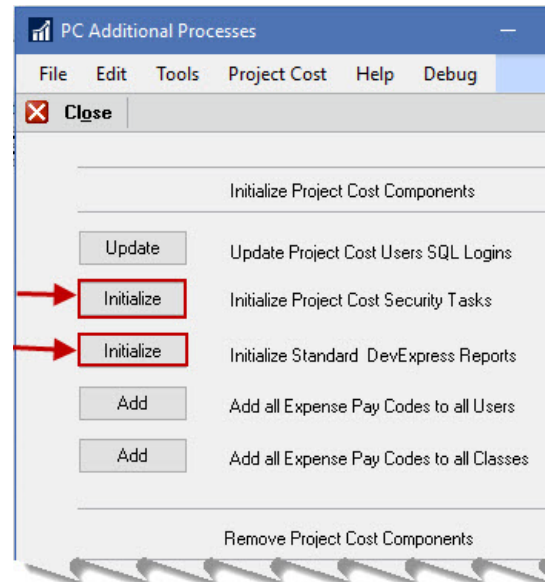


- **Select “Additional Processes”**
- Click the “Initialize Project Cost Security Tasks” button

You will receive message indicating that the operation was successful. – **Click OK**

- Click the “Initialize Standard DevExpress Reports” button

You will receive message indicating that the operation was successful. – **Click OK**



- Close the PC Additional Processes window.
- Close the SQL Maintenance window
- **Now close Microsoft Dynamics GP and then re-launch.**

## Step 7. – Registration

To register Project Cost, navigate to:

**Microsoft Dynamics GP >> Tools >> Utilities >> Project Cost >> Registration**

Please Note that Project Cost may be used without registration keys for trial and testing purposes. Project Cost will turn off automatically after 500 transactions.

Open the Project Cost Registration window.

Click on the Import Registration button.

Browse to the root directory for your Microsoft Dynamics GP software.

Select the Registration Key file that was provided when your software was purchased.

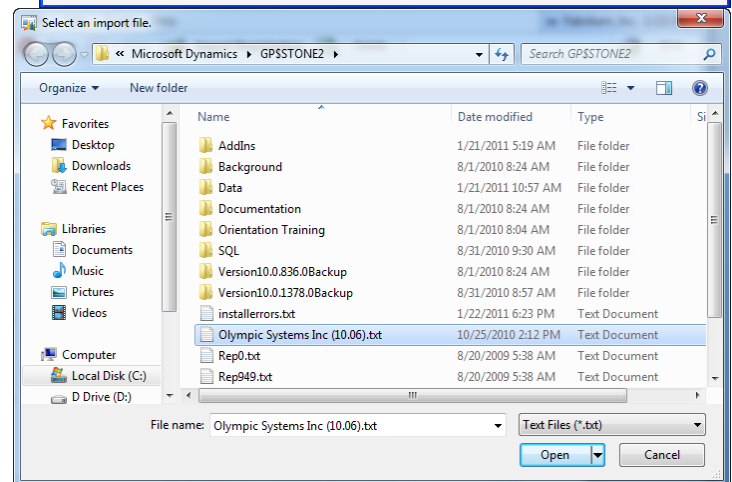
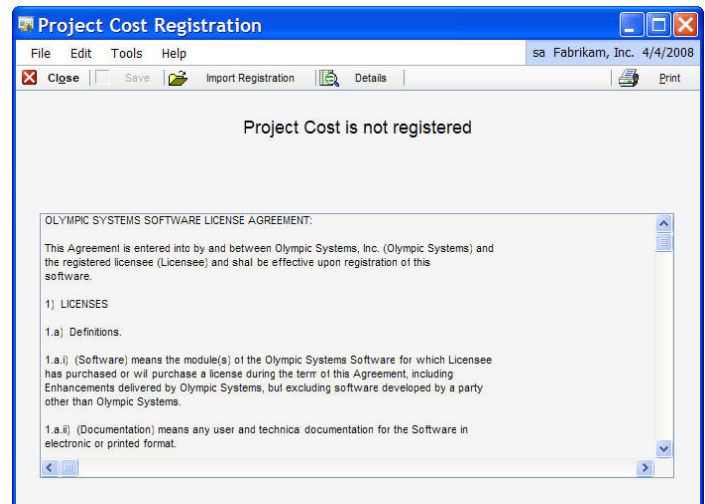
This file will have the following basic format:

Your Company Name (version).txt

In this example it is shown as:

Olympic Systems Inc (10.02).txt

Click the Open button.



Please note the “Registration is valid” message.

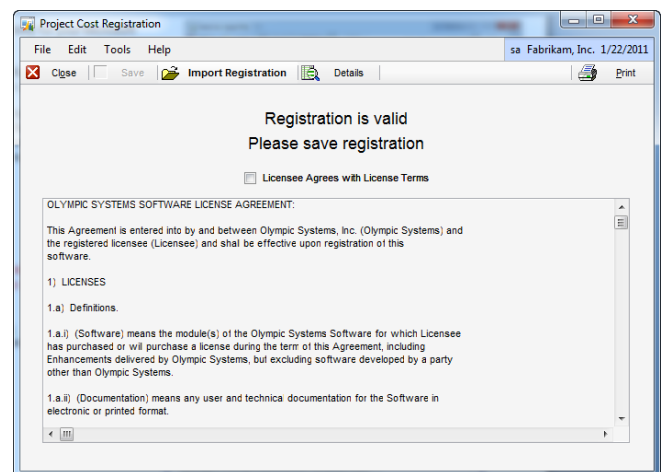
If the “Registration is not valid” message is displayed see [TK 00086](#) for assistance.

Click on the Check Box:

“Licensee Agrees with License Terms”

Click the Save button.

Close this window.



Step 8. – Navigate to Project SQL Maintenance Window

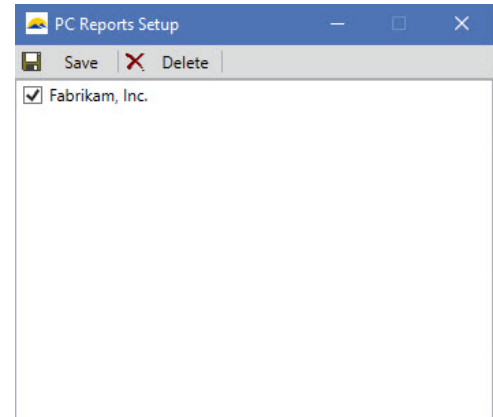
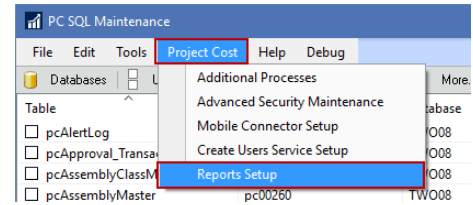
**Microsoft Dynamics GP > Tools >> Utilities > Project Cost > SQL Maintenance > Project Cost > Report Setup**

## Report Setup

- Select Project Cost option on the PC SQL Maintenance window.
- **Select “Reports Setup”**
- Click the check box next to the Company Name as needed

**Click Save**

- **Now close Microsoft Dynamics GP and then re-launch.**



**Note Step 9 & 10 are only required if using any of these options:**

PC Advanced: Project Security, Organizational Security or Process Security

PC T&E Enterprise Module, PC Audit Modules (Project, Task & Transaction Audits)

Step 9. – Enable Project & Organizational Security

**Note: If you want to use PC Advanced Project/Organizational or Process Security**

**Enable the Security setting in the PC System Setup window**

**Microsoft Dynamics GP >> Tools >> Setup>> Project Cost >> PC System Setup**

The screenshot shows the 'PC System Setup' window with various configuration options. The 'Enable Project & Organizational Security' checkbox is highlighted with a red box. Other visible options include 'Approval Before Expense Processing', 'Approval Before Timesheet Processing', 'Approval Before SOP Invoice Creation', 'Use Price Levels for Item Pricing', 'Default Price Level' (RETAIL), 'Default Markup Percent' (20.00%), 'Enable Process Security', 'Next Transaction Number' (200), 'Default Distributions From' (PC System Setup), 'Allow Distribution Edit', 'Disable Auto Open', 'Default Labor Rates Display To' (Employee), 'Labor Rate Options' (PC Standard Cost), 'Use PC Cost Rates as UPR Pay Rates', 'Post Standard Labor Costs To GL', and 'Enable Overhead Processing'.

**Then Close and re-launch Great Plains**


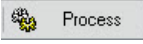

**Step 10. – Recreate Stored Procedures for these additional modules**

This will load specific stored procedures associated with specific advance modules.

**Microsoft Dynamics GP >> Tools >> Utilities >> Project Cost >> SQL Maintenance**

**Select Objects**

From Radio Button option near top left corner of the SQL Maintenance Window.

- Click the Mark All  Button.
- Click the Process  Button.
- Click the Back  Button.

Close the SQL Maintenance window

**Then Close and re-launch Great Plains**

The screenshot shows the 'PC SQL Maintenance' window. The 'Objects' radio button is selected. The 'Mark All' and 'Process' buttons are highlighted with red boxes. Red callouts indicate the sequence: 'First Select Objects' (pointing to the 'Objects' radio button), 'Next Click Mark All' (pointing to the 'Mark All' button), and 'Then Click Process' (pointing to the 'Process' button). The window displays a list of objects with columns for 'Object Name', 'Database', and 'Type'. The list includes various stored procedures and tasks, all of which are checked.

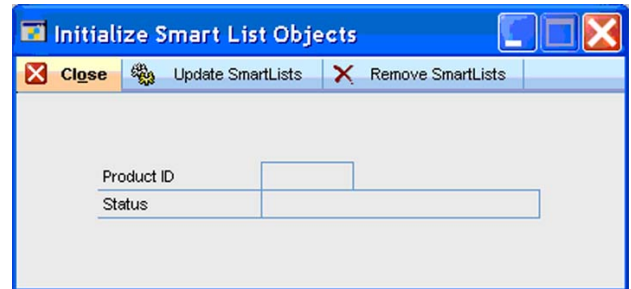
Step 11. – Repeat [Steps , 6, 8 & 9](#) for each Company D as needed.

Close and re-launch Microsoft Dynamics GP

Step 12. – Initialize SmartList

Navigate to: **Microsoft Dynamics GP >> Tools >> Utilities >> Project Cost >> Initialize Smartlist**

Click on the Update Smart List  **Update SmartLists** button.



Close the Initialize Smart List Objects window after the process is complete.

- **Now close Microsoft Dynamics GP and then re-launch.**

Step 13. - Install each client workstation as needed

**This completes the Server Installation of the Project Cost Module**

**If needed continue to sections for:**

- [Workstation Install](#)
- [Web Suite Install](#)
- **Create User Service Install – Contact Olympic Systems for Assistance**
- [Mobile Connector Install](#)



# Project Cost Client Workstation Install Process

*Project Cost* is downloaded as a compressed file from [www.projectcost.net](http://www.projectcost.net) .

Extract the Project Cost installation files to a folder on the local client or server disk drive.

Step 1. – Copy Files to the Root Client Directory - GP2015/2016

- PCMM#kxx.cnk (*MM*= major version number, *#*= minor version number & *xx* = service pack number)
- PC232.chm
- OlympicSystems.ProjectCost.AddIn.dll -- note this file is used for web client deployments
- OlympicSystems.ProjectCost.DexAssembly.dll
- OlympicSystems.ProjectCost.DxReporting.dll

Step 2. – Copy Files to the AddIns Directory

- OlympicSystems.ProjectCost.AddIn.dll

Step 3. – Launch Microsoft Dynamics GP

(Run as administrator)

**This completes the Installation of Project Cost for this workstation**

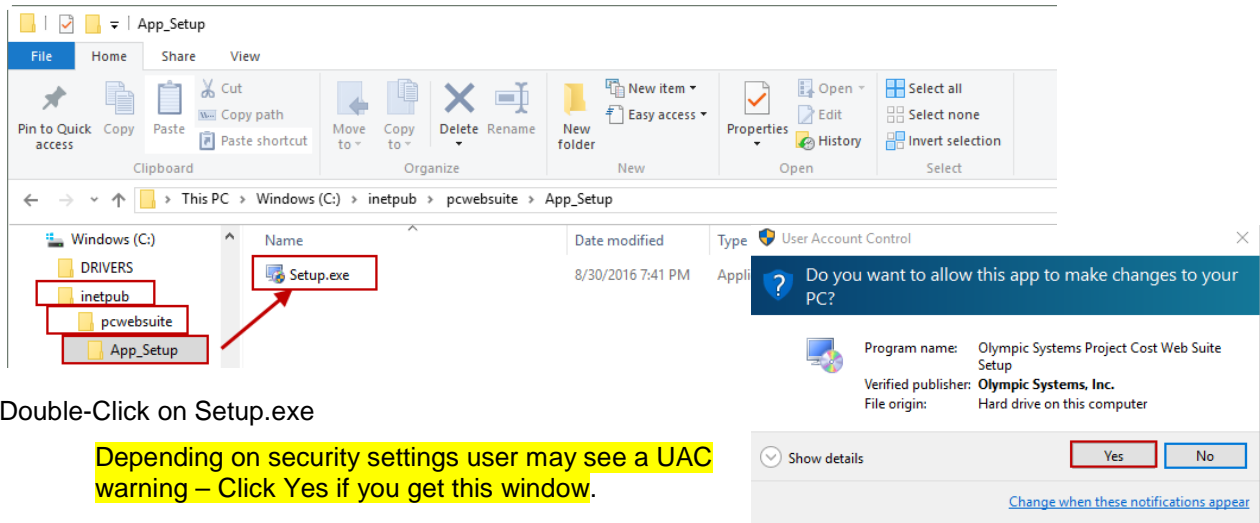
# Project Cost Web Suite Install Process

## Step 1. Copy Project Cost Web Components to the Inetpub Directory

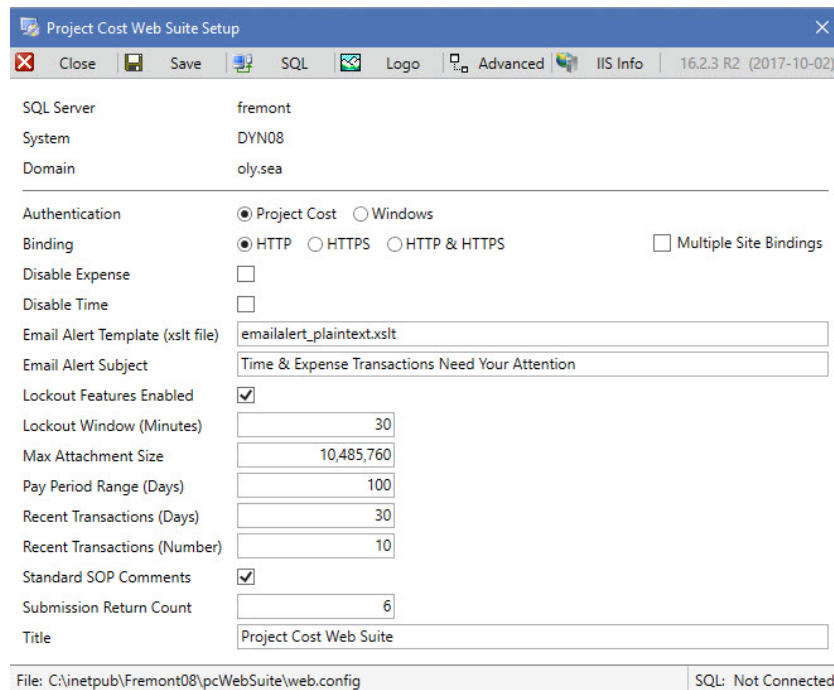
1. These components are held in the folder **pcwebsuite** that was included in the Download.
  2. Use Windows Explorer to copy the **pcwebsuite** directory to your **Inetpub**
- In this instruction we located this folder at **C:\Inetpub\pcwebsuite**

## Step 2. Run the PCWebSuite Setup Application

Using Windows Explore run the Setup.exe located in **C:\Inetpub\pcwebsuite\App\_Setup**



The Project Cost Web Suite Setup Utility will open.



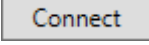
### Step 3. Configure the SQL Connection in the PCWebSuite Setup window

Click the SQL  **SQL** icon.

Enter the SQL Server Name:

Enter the User ID:

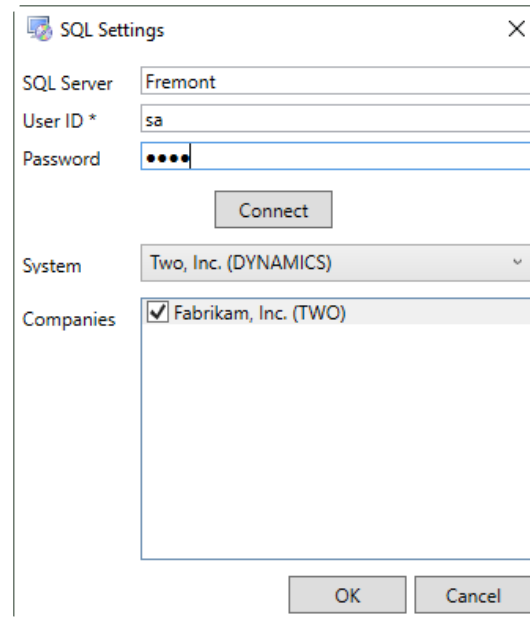
Enter the Password:

Click the Connect  button

Select the System Database:

Select Companies:


Click the OK  button



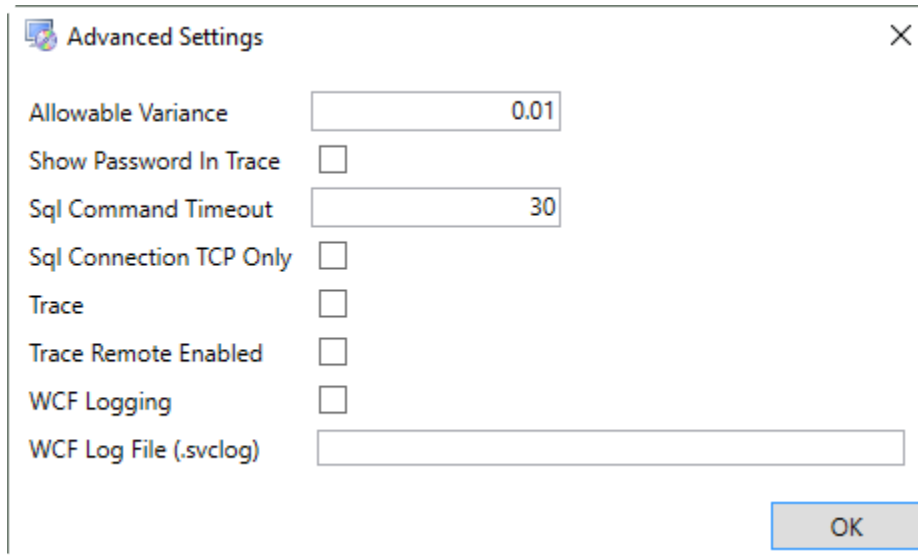
The SQL Settings dialog box contains the following fields and controls:

- SQL Server:** Text box with "Fremont".
- User ID \*:** Text box with "sa".
- Password:** Password field with four dots.
- Connect:** Button.
- System:** Dropdown menu showing "Two, Inc. (DYNAMICS)".
- Companies:** List box with "Fabrikam, Inc. (TWO)" selected.
- OK:** Button.
- Cancel:** Button.

### Step 4. Configure the Advanced Settings in the PCWebSuite Setup window

Click the Advanced  **Advanced** icon to open the Advanced Settings window.

Contact Olympic Systems Support team for use of this window



The Advanced Settings dialog box contains the following fields and controls:

- Allowable Variance:** Text box with "0.01".
- Show Password In Trace:** Checkbox, unchecked.
- Sql Command Timeout:** Text box with "30".
- Sql Connection TCP Only:** Checkbox, unchecked.
- Trace:** Checkbox, unchecked.
- Trace Remote Enabled:** Checkbox, unchecked.
- WCF Logging:** Checkbox, unchecked.
- WCF Log File (.svclog):** Text box.
- OK:** Button.

## Step 5. Configure the SQL Connection in the PCWebSuite Setup window

Project Cost Web Suite Setup

Close Save SQL Logo Advanced IIS Info 16.2.3 R2 (2017-10-02)

SQL Server fremont  
System DYN08  
Domain oly.sea

Authentication ☐ Project Cost ☒ Windows  
Binding ☒ HTTP ☐ HTTPS ☐ HTTP & HTTPS ☐ Multiple Site Bindings  
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

File: C:\inetpub\Fremont08\pcWebSuite\web.config \* SQL: Not Connected

### Authentication Settings:

Authentication ☐ Project Cost ☒ Windows

**Select Project Cost for “Project Cost Sign-On” authentication**

**Select Windows for “Single-Sign-On” authentication**

Note: Windows authentication will default to Project Cost Sign-On if Windows credentials are not available or fail. Windows Authentication is essentially “Both”.

### Binding Settings:

Binding ☒ HTTP ☐ HTTPS ☐ HTTP & HTTPS ☐ Multiple Site Bindings

**Select HTTP for Non-Secure Bindings Only**

**Select HTTPS for Secure Bindings Only**

**Select HTTP & HTTPS for Both Secure & Non-Secure Bindings**

**Check Multiple Side Bindings as directed by Olympic Support Staff**

### Default ASPX Title Settings:

Default ASPX Title Project Cost Web Suite

**Users can change the Screen Title for the Logon window**

By default we set this value to read "Project Cost Web Suite" however you could put your companies name in as the value.

### **Disable Expense Setting:**

Disable Expense

☐

By Checking this check-box – Project Cost will disable the Expense Tab for ALL users.

If you need to disable the Expense Tab for one or a group of users this can be controlled via the PC Employee Setup window by de-selecting the “Enable Employee Expense Web Entry”.

### **Disable Time Setting:**

Disable Time

☐

By Checking this check-box – Project Cost will disable the Time Tab for ALL users.

### **Email Alert Template (xslt file) Setting:**

By default this value is set to "emailalert\_plaintext.xslt"

### **Email Alert Subject Setting:**

By default this value is set to "Time & Expense Transactions Need Your Attention"

### **Lockout Features Enabled:**

By default this Checked on"

This feature will introduce a delay for the User's IP address after the user has made 4 failed logon attempts.

Delay after X number of logon attempts,

4th attempt a delay of 16 seconds is added before the user can attempt the next logon

5th attempt a delay of 32 seconds is added before user can attempt the next logon

6<sup>th</sup> attempt a delay of 64 seconds is added before user can attempt the next logon

7<sup>th</sup> attempt a delay of 128 seconds is added before user can attempt the next logon

...And continue until you reach the Lockout Window Minutes limit.

IT Managers can clear the lockout by resetting IIS.

### **Lockout Window Minutes:**

By default this is set to 30 minutes – this is how long information is stored for a user's failed attempts from the last failed attempt.

### **Max Attachment Size:**

By default this is set to 10,485,760.

### **Pay Period Range (Days):**

By default this is set to 100 Days – this is the range of days that transactions can be entered.

### **Recent Transactions (Days):**

By default this is set to 30 days. If set to 0 (zero) no recent transactions will be presented.

## Recent Transactions (Number):

By default this is set to 10 transactions. The application will recall the first 10 transactions from week to week.

## Standard SOP Comments:

By default this is check on. This will truncate any billing description to 200 characters.

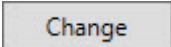
## Submission Return Count:

By default this is set to 6.

## Step 6 Configure the Custom Logo for the PCWebSuite Setup window

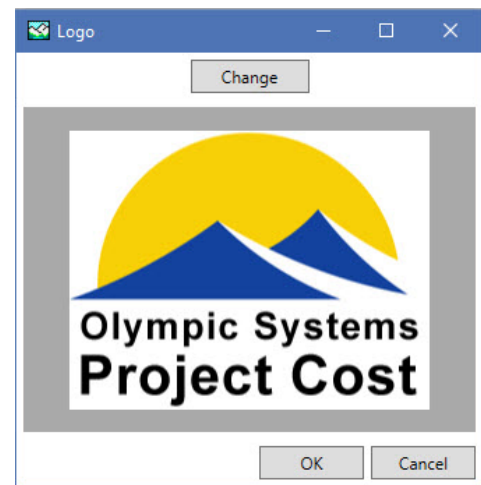
Click the Logo  Logo Button.

To change the logo from the standard Olympic Systems logo:

- Click the Change  button
- Path to the location of the new Logo

**Note this must be a .jpg file format**

- Click Open
- Click OK button.



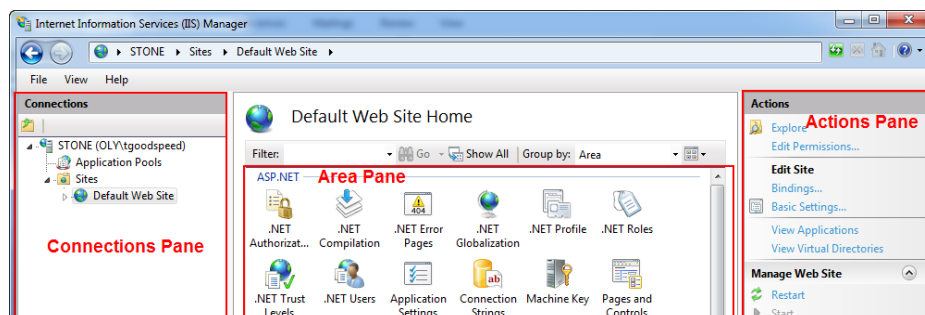
## Step 7 Configuration of Internet Information Services

1. Navigate to the Control Panel.

Note: Based on the operating system the commands may be different for this navigation.

Go to **Control Panel>>System and Security>>Administrative Tools.**

2. Double click "Internet Information Services (IIS) Manager".
3. In the Internet Information Services window is divided into 3 primary areas or panes.
  - a. The **Connections Pane** you should see the server's name, Application Pools and Sites.
  - b. The **Area Pane** will list the features that may be configured and will look different based on the item selected in the **Connections Pane**.
  - c. The **Actions Pane** again will look different based on the feature selected in the **Area Pane**.

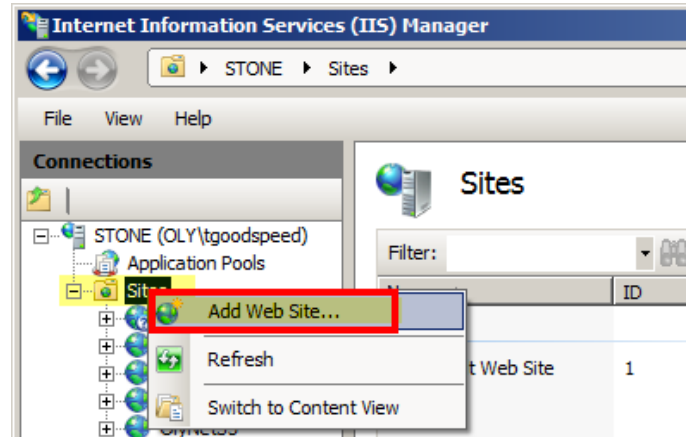


4. In the **Connections Pane** Click on the "►" to expand the **Server** view.

This should review folders for Application Pools and Sites.

## Create New Web Site

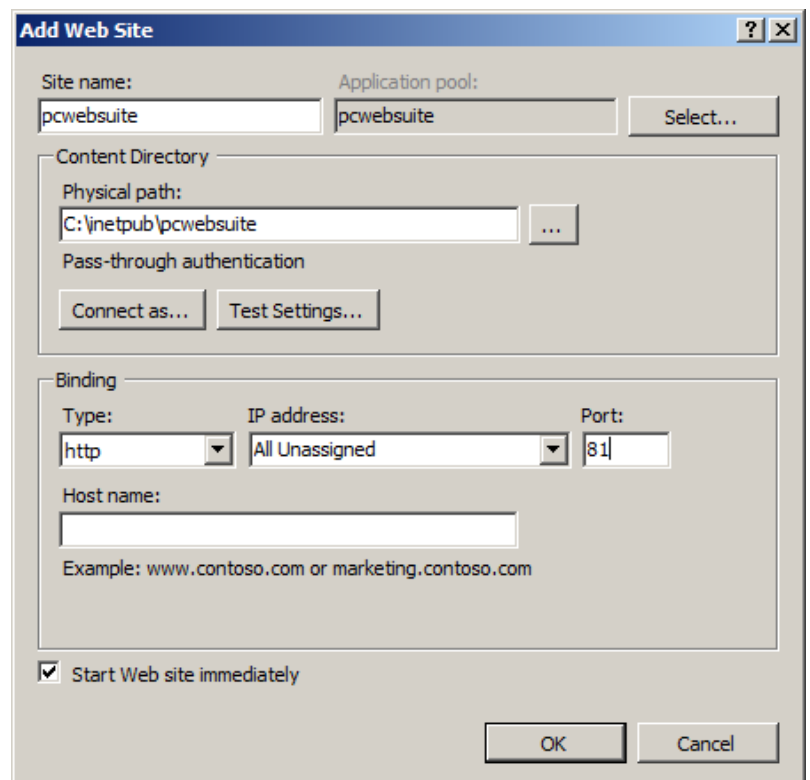
1. In the **Connections Pane** Click on the "►" to expand the **Site** view.
2. Right Click on **Sites** and select **Add Web Site**



In the **Add Web Site** window.

3. Enter the Site Name: in our example we use pcwebsuite.

4. Enter the Physical path:  
In our example we use  
c:\inetpub\pcwebsuite
5. Enter the port number in the Binding area. We use 81 to avoid common conflicts with other IIS tools. Work with the IT or Network manager to find an open port.



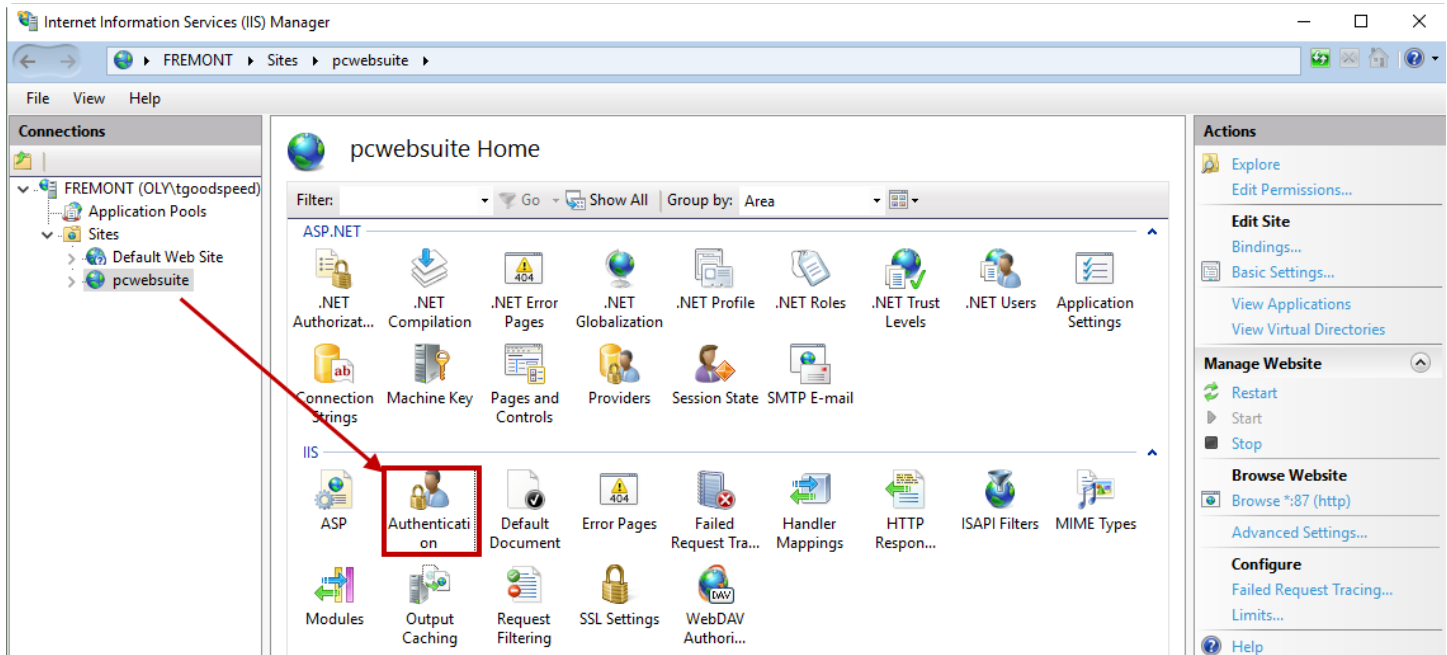
If using SSL See [Security Certificates & SSL for Project Cost Web Suite](#) Section

6. Click OK

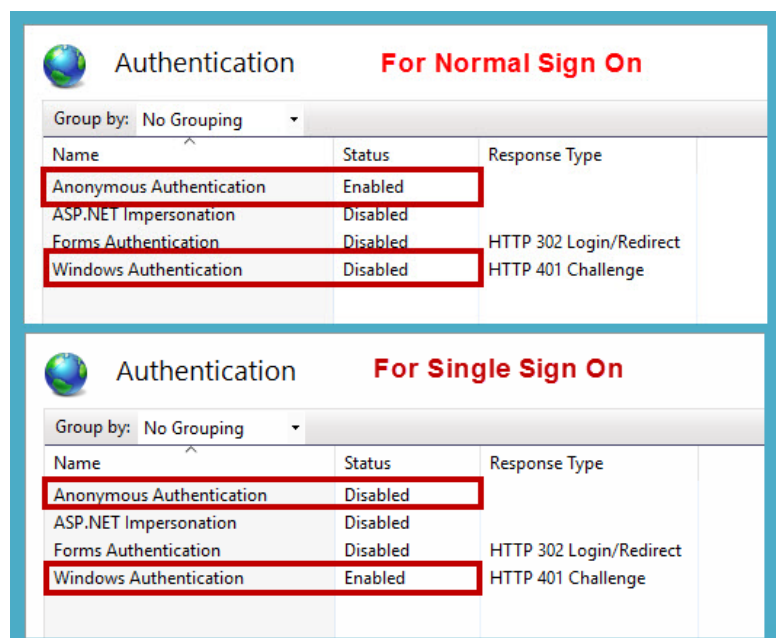
## Configure Web Site Settings

1. In the **Connections Pane** Click on the "►" to expand the **Site** view.
2. Click on the Site - in our example **pcwebsuite**.
3. In the **Area Pane** under the **IIS** section Double-Click on **Authentication**.

If ASP.NET section is not visible in the Actions Pane See [Issue: ASP.Net section missing from IIS Manager View](#). In the **Trouble shooting** section.



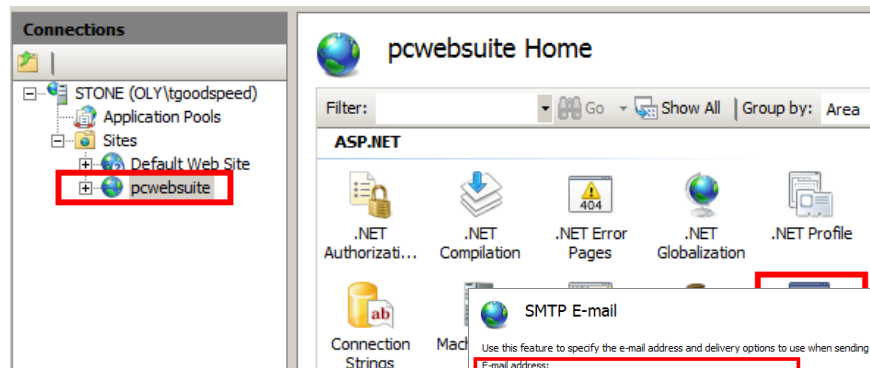
4. In the **Authentication** Pane Enable or Disable Features as needed.





## Configure SMTP E-Mail Settings

1. In the **Connections Pane** Click on the "►" to expand the **Site** view.
2. Click on the Site (in our example **pcwebsuite**)
3. In the **Area Pane** under the **ASP.Net** section Double-Click on **SMTP E-mail**.



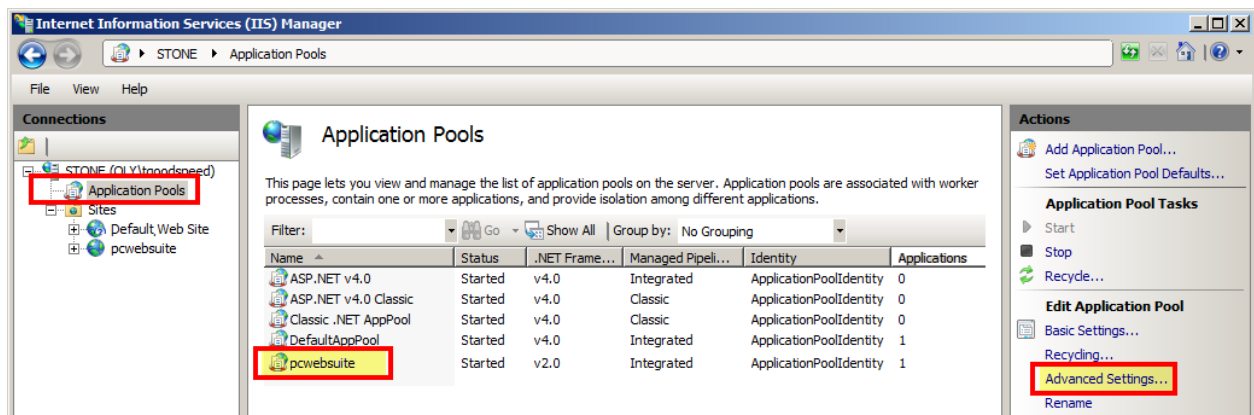
4. In the **SMTP E-Mail** Pane  
Enter an Email Address for sending Email notices  
Enter the SMTP Server  
Enter Port address  
Enter Authentication Settings

**Note: SMTP connection settings will vary from installation to installation.**

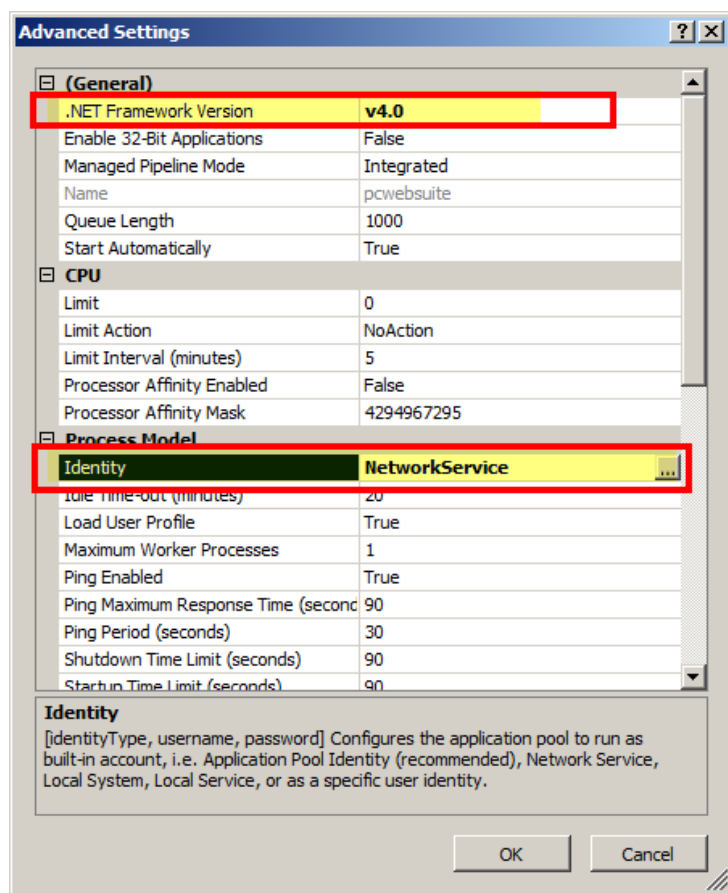
**Consult with the organizations IT staff for the optimal settings.**

## Configure Application Pool Settings

1. In the **Connections Pane** Click on the **Application Pool**.
2. In the **Area Pane** select the Application Pool associated with the site.
3. In the **Actions Pane** Click the Advanced Settings option.

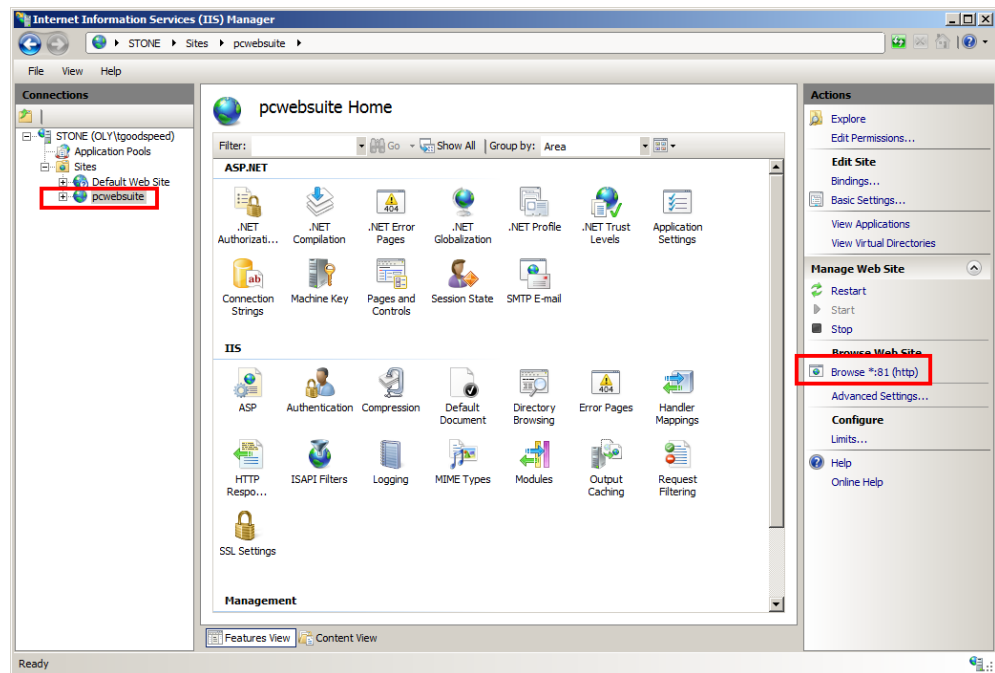


4. Set the **.Net Framework Version** to **v4.0**
5. Set the **Process Model - Identity** to **NetworkService**.
6. Click **OK**.

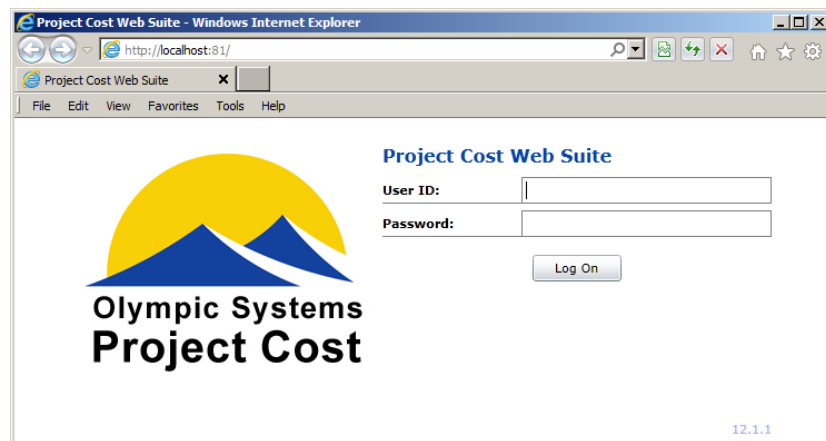


## Test the Web Site

1. In the **Connections Pane** Click on the “►” to expand the **Site** view.
2. Click on the Site in our example **pcwebsuite**.
3. In the **Actions Pane** Click the Browse \*:81 (http) link.



4. This should launch the OlyNet web site.



**This completes the Installation of the Project Cost Time & Expense Module**

# Security Certificates & SSL for Project Cost Web Suite

**WE HIGHLY RECOMMEND THAT USERS DEPLOY PROJECT COST WEB SUITE USING SECURE SOCKETS LAYER (SSL) OR SOME OTHER TRANSPORT LAYER SECURITY (TLS) PROTOCOL. WHILE THIS IS OPTIONAL FOR MOST OF OUR FUNCTIONALITY – IT IS REQUIRED IF THE ORGANIZATION WANTS TO USE CREDIT CARD STATEMENT DOWNLOAD FEATURE.**

## Security Certificates & SSL

Security certificates and secure sockets layer (SSL) are used to help improve the security of the data being transmitted by the Project Cost web Suite. The web site that hosts the web client *must* be configured to use SSL. The runtime service must be configured to use a security certificate.

## Security Certificate Requirements

The security certificates that you use for your Project Cost Web Suite installation must meet some requirements to work properly.

### Certificate Purpose

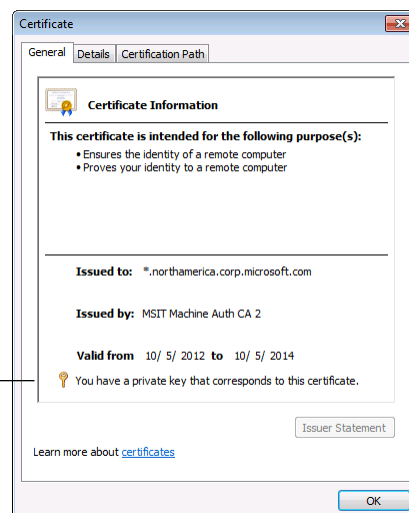
To be used for the Project Cost Web Suite, the security certificate must have “Server Authentication” listed as one of its intended purpose. You can use the Certificates snap-in for the Microsoft Management Console to view the Intended Purpose column for the certificate.

### Private Key

It is essential that the security certificate that you are using has a private key. This allows the security certificate to be bound to the port that is assigned to the web site.

To verify that the security certificate has a private key, you can view the details of the certificate file. At the bottom of the details, you should see that the certificate has private key. If it does not, then the security certificate cannot be used.

*The security certificate must have a private key in order to be bound to the runtime service port.*



## Externally Signed Security Certificates

Externally signed security certificates are the easiest way to implement SSL for the Project Cost Web Suite. They must be purchased from the third-party supplier. Due to the additional cost, externally signed security certificates are typically used in a production environments.

There are three basic types of externally signed security certificates:

### Single Domain

This type of security certificate is issued for a specific machine. For example you could get a security certificate issued for the machine with the following name:

- GPweb.contoso.com.

You would typically use this type of certificate when installing the Project Cost Web Suite in a single machine configuration. This is the least- expensive type of certificate to purchase.

### Multiple Domain

This type of security certificate is issued for a set of specific machines. You must know the machine names at the time that you are purchasing the security certificate. For example, you could get a security certificate issued that could be used for machines with the following names:

- GPweb.contoso.com
- ServiceHost1.contoso.com
- ServiceHost2.contoso.com
- ServiceHost3.contoso.com

You would typically use the multiple domain certificates when installing the Project Cost Web Suite in a scale out configuration. The certificate would contain entries for each of the machines that will be part of your web client installation. This security certificate is more expensive, because the same certificate can be used on multiple machines.

### WildCard

This type of security certificate is not issued for specific machines. Instead, it is issued for a specific domain. The security certificate can be used for any machines that follow the naming convention for the domain. For example, if you purchased a wildcard certificate for the \*.contoso.com domain, any machine in that domain (such as GPweb.contoso.com) could use the wildcard certificate.

You would typically use the wildcard certificate when installing the Project Cost Web Suite in the scale out configuration. The wildcard certificate is especially useful when you expect to add additional machines to the configuration, but do not know their names at the time you are purchasing the certificate. The extra flexibility does come with a cost. Wildcard certificates are the most expensive externally signed security certificates.

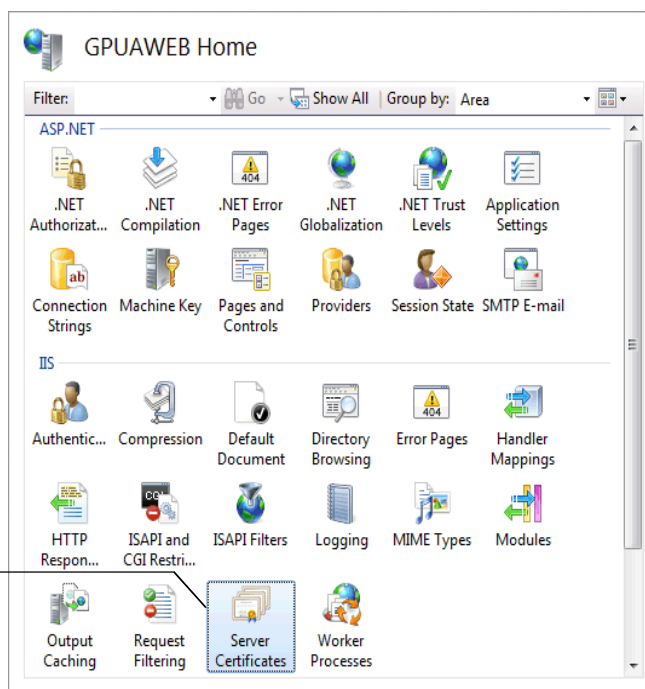
## Using an Externally Signed Security Certificates

When an externally signed security certificate is used for a web site, the third-party certificate authority handles the certificate validation when users connect to the web client site. No additional action is needed by the Project Cost Web Suite users.

### To Use an Externally Signed Security Certificate

1. Obtain the security certificate (.cer or .pfx) file from the third-party certificate supplier.
2. In Administrative Tools on the web server system, open Internet Information Services (IIS) Manager.
3. In the left pane, select the computer name.
4. In the IIS group, open Server Certificates.

*Select the computer name and then open*



5. Install the Certificate, based on the type of file that has been provided:
  - If your certificate has been provided as a .cer file, complete these actions. In the Actions pane, click Complete Certificate Request. Select the certificate (.cer) file that you obtained from the third-party certificate supplier. In the Friendly name field, enter the name that will be displayed for the certificate. Click OK.
  - If your certificate has been provided a .pfx file, complete these actions. In the Actions pane, click Import. Select the certificate (.pfx) file that you obtained from the third-party certificate supplier. Enter the password for the security certificate. Click OK.

## Self-Signed Security Certificates

Self-signed security certificates are the least expensive way to implement SSL for the Project Cost Web Suite. You can generate these security certificates from within IIS Manager. They are typically used when you are setting up a Project Cost Web Suite installation for testing or development purposes.

Self-signed security certificates have some limitations. You must use the default subject alternative name (SAN) that is assigned when the security certificate is created. Self-signed security certificates have a limited lifespan, typically one year.

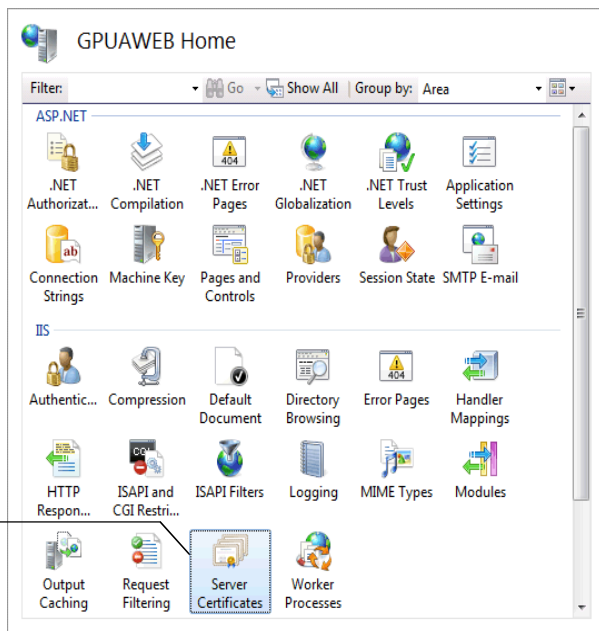
When you use a self-signed security certificate, there is no external authority to handle the certificate validation when users connect to the web client site. Because of this, a certificate error will be displayed when users access the Project Cost Web Suite site. To prevent the certificate error, users must import the security certificate onto their own machine.

Refer to for additional information on importing a Self-Signed Certificate.

### To Use a Self-Signed Security Certificate

1. Open Internet Information Services (IIS) Manager.
2. In the left pane, select the computer name.
3. In the IIS group, open Server Certificates.

*Select the computer name  
and then open Server Certificates.*



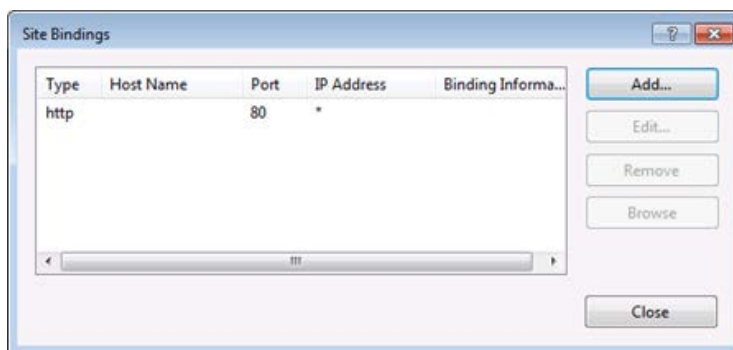
4. In the Actions pane, click Create Self-Signed Certificate.
5. Supply the friendly name for the security certificate.
6. Click OK. The security certificate will be created.

## Configuring the Web Site to use SSL

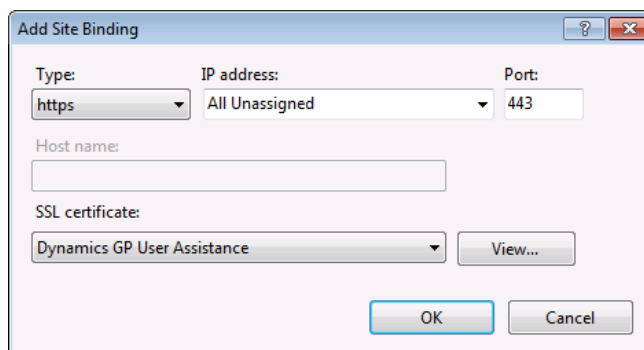
The web site used for the Project Cost Web Suite must be configured to use SSL. Before configuring the web site, be sure that you have imported an externally signed security certificate or have created a self-signed security certificate.

### To Configure the Web Site for SSL

1. Open Internet Information Services (IIS) Manager.
2. In the left pane, expand the Sites group. Within the Sites group, select the site that you are configuring to use SSL. For example, select the Default Web Site.
3. In the Actions pane, click Bindings.
4. In the Site Binding window, click Add.



5. In the Add Site Bindings window, select https for the type, and then choose an SSL certificate that you installed.



6. Click OK.
7. Click Close.

## Installing a Security Certificate on a Server

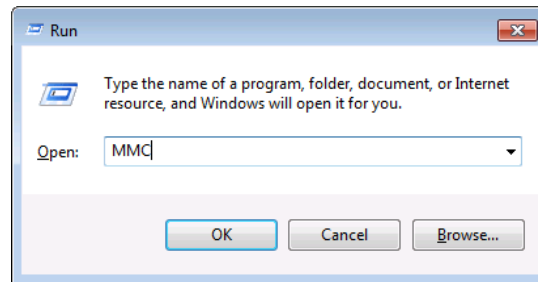
If you are setting up the scale out configuration for the Project Cost Web Suite, the session host machines must have a security certificate that can be used when configuring the runtime session. If you



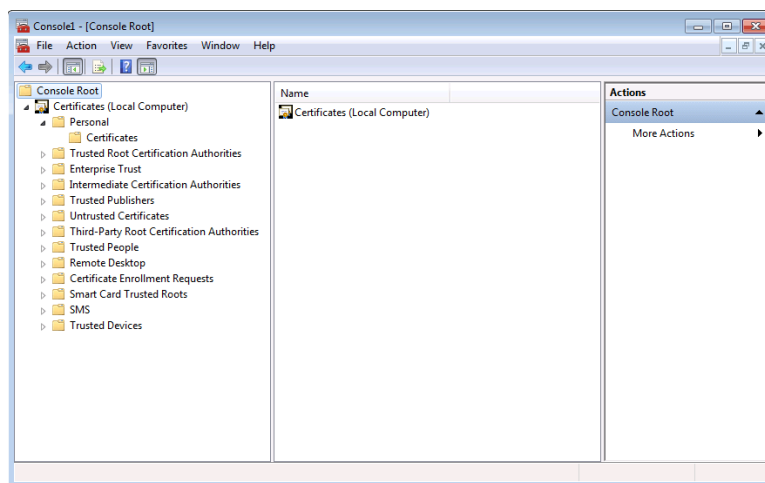
are using an externally signed security certificate, you will need to install the security certificate onto each session host machine so that the certificate is available to be used.

### To Install a Security Certificate

1. On the computer that will be used as a session host, open the Run prompt. (Choose Start > Run or press Window-R)
2. In the Open field, type MMC and then click OK.



3. In the Microsoft Management Console, open the File menu and choose Add/ Remove Snap-in.
4. In the Add or Remove Snap-ins window, choose the Certificates snap-in from the Available snap-ins list, and then click Add.
5. In the Certificates snap-in dialog box, choose Computer account and then click Next.
6. In the Select Computer dialog box, choose Local computer and then click Finish.
7. In the Add or Remove Snap-ins window, click OK.
8. In the left pane, expand the Certificates (Local Computer) node, and then expand the Personal node.



9. Under Personal, right-click the Certificates node, point to All Tasks, and then click Import.
10. In the Certificate Import Wizard welcome screen, click Next.
11. In the File to Import screen, click Browse.

12. Browse to the location of the security certificate that you want to use. Typically, this will be a file with a .pfx extension, because the certificate contains a private key. Select the file and click Open. Click Next to continue.
13. Enter the password for the certificate. This is the private key password that was either provided with the certificate, or that you defined when you exported the certificate for use on another machine. Be sure that you mark the Include all extended properties box. Click Next to continue.
14. In the Certificate Store screen, verify that the certificate is being added to the Personal store. Click Next.
15. Click Finish to complete the import process.
16. Close the Microsoft Management Console window.

# Project Cost Mobile Connector IIS Install Process

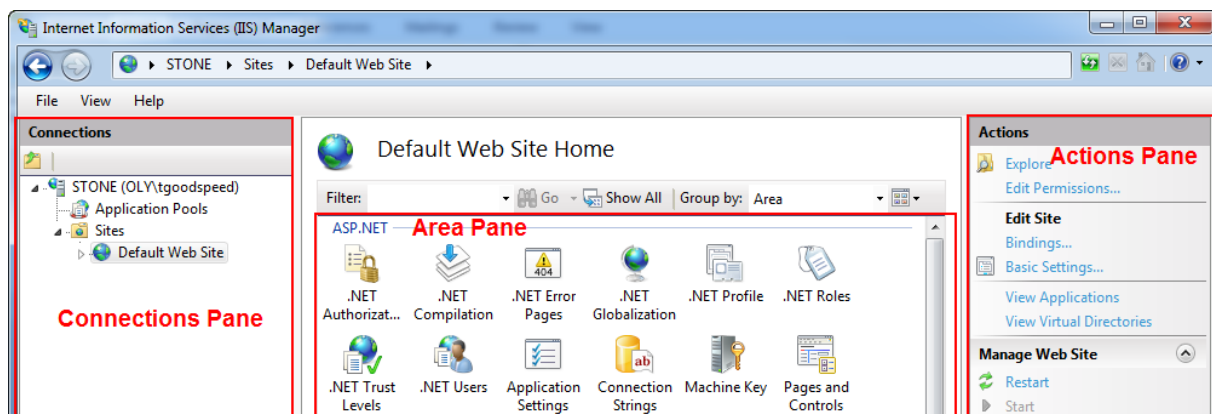
## Copy Project Cost Mobile Connector components to the Inetpub Directory

1. These components are held in the folder **MobileConnector** that was included in the Download.
  2. Use Windows Explorer to copy the **MobileConnector** directory to your **Inetpub**
- In this instruction we located this folder at **C:\Inetpub\MobileConnector**

## Configuration of Internet Information Services on Windows 7

1. Navigate to the Control Panel.

Note: Based on the operating system the commands may be different for this navigation.  
**Using Windows 7** – go to **Control Panel>>System and Security>>Administrative Tools**.
2. Double click “Internet Information Services (IIS) Manager”.
3. In the Internet Information Services window is divided into 3 primary areas or panes.
  - a. The **Connections Pane** you should see the server’s name, Application Pools and Sites.
  - b. The **Area Pane** will list the features that may be configured and will look different based on the item selected in the **Connections Pane**.
  - c. The **Actions Pane** again will look different based on the feature selected in the **Area Pane**.

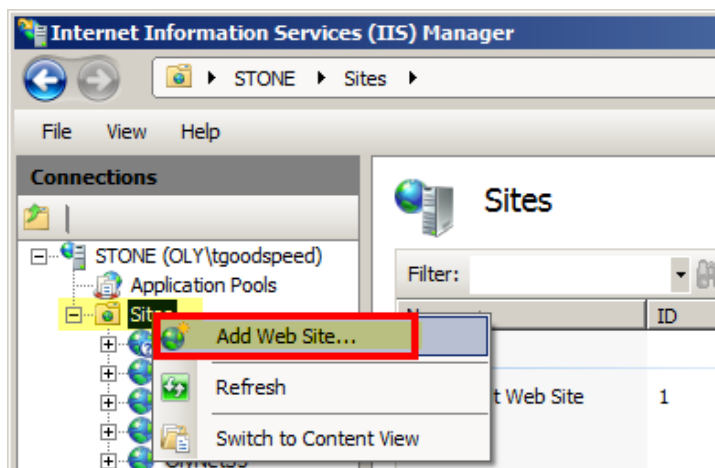


4. In the **Connections Pane** Click on the “►” to expand the **Server** view.  
This should expose folders for Application Pools and Sites.

## Create New MobileConnector Web Site

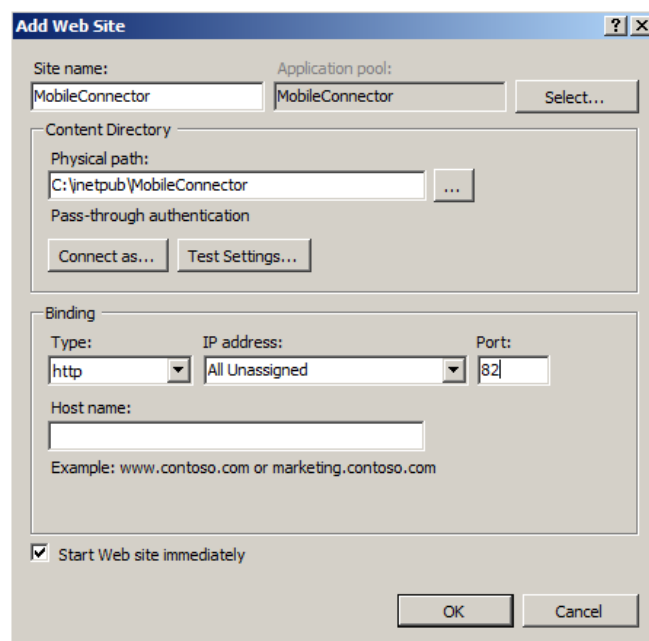
### In the Connections Pane

1. Click on the "►" to expand the **Sites** view.
2. Right Click on **Sites**
3. Select **Add Web Site**



### In the Add Web Site window

1. Enter the Site Name: in our example we use **MobileConnector**.
2. Enter the Physical path:  
This is the location of the mobile connector components.  
In our example we use  
c:\inetpub\MobileConnector
3. Enter the port number in the Binding area. We use 82 to avoid common conflicts with other IIS tools.
4. Click OK

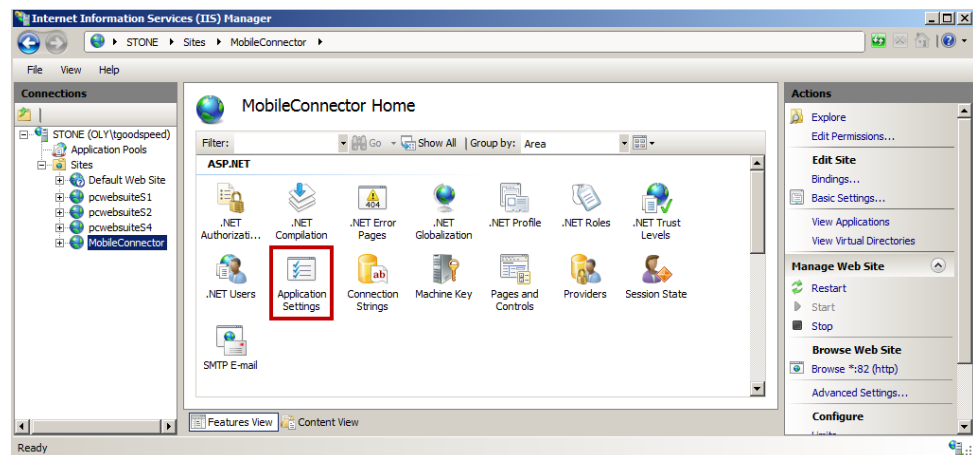


## Configure MobileConnector Web Site Settings

### In the Connections Pane

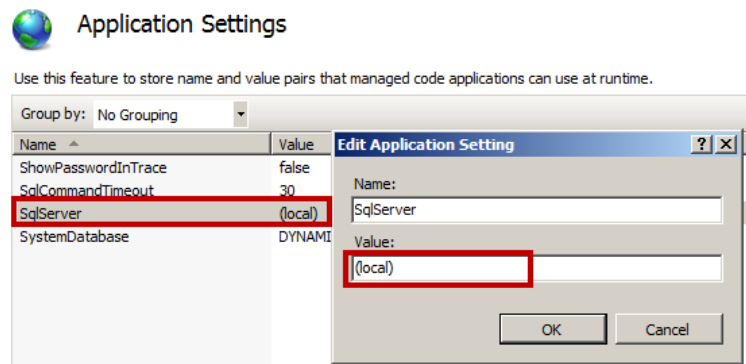
1. Click on the "►" to expand the **Sites** view.
2. Click on the Site - in our example **MobileConnector**.
3. In the **Area Pane** under the **ASP.NET** section Double-Click on **Application Settings** icon.

If ASP.NET section is not visible in the Actions Pane See Trouble shooting section.



### In the Application Setting Pane

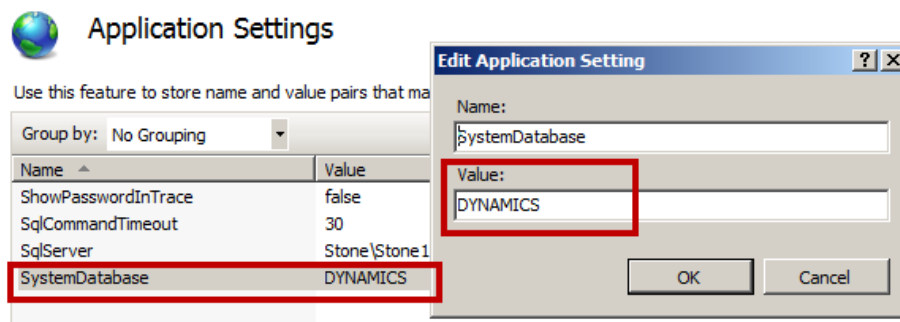
1. Double-Click on **SqlServer** Feature.
2. In the **Edit Application Setting** window



3. Enter the Name and Instance of your Sql Server in the Value field.
4. Click **OK**

### In the Application Setting Pane

1. Double-Click on **SystemDatabase** Feature.



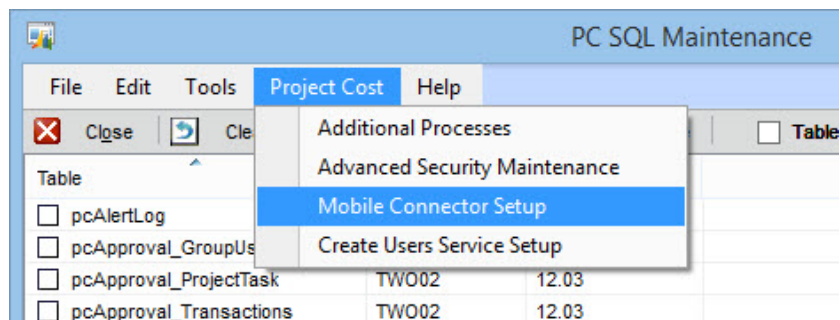
2. In the Edit Application Setting window  
Enter the Name of the GP system database. This is normally DYNAMICS however in v2013 an option to use a Named System Database was added.
3. Click **OK**

# Project Cost Mobile Connector Security Setup

## Navigate to Project SQL Maintenance Window

[Microsoft Dynamics GP >> Tools >> Utilities >> Project Cost >> SQL Maintenance](#)

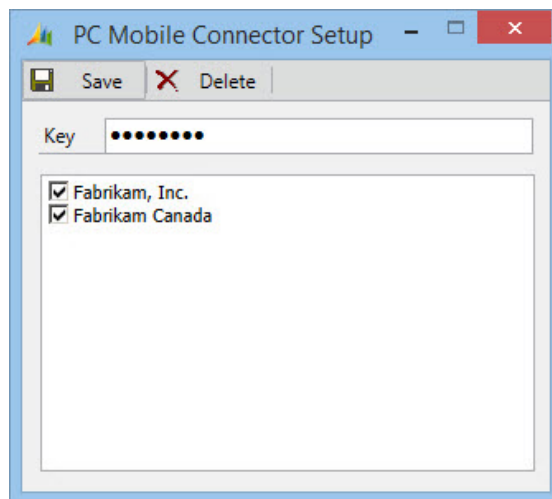
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- On the PC SQL Maintenance window Select Project Cost option.
- Select Mobile Connector Setup option

## In the PC Mobile Connector Setup Window

- Enter the Mobile Connector Key:  
This will be provided when registered.
- Select the Check Box next to the Company database
- Click **Save** button.



# Project Cost Mobile Connector Admin Portal

## Mobile Connector – Submit Organization Key Request

1. Submit the URL of your Mobile Connector Web Service to [MobileConnect@projectcost.net](mailto:MobileConnect@projectcost.net).

The URL format is: <http://yourservername.com:externalport#/ProjectCostService.svc>


Example: <http://time.projectcost.net:89/ProjectCostService.svc>

Equally, you must specify the Project Cost EmployeeID that shall administer the Mobile Connector portal site. This user can then grant or revoke access to the mobile app, as well as configure certain default settings and mail integration.

2. You will then be provided with an Organization Key

## Mobile Connector - Organization Admin Portal Logon

3. Once you have received your Organization Key, navigate to: <http://timeon.apcurium.com:8040>  
Enter the Organization Key, username (the EmployeeID you provided in step 1), and the EmployeeID password

**TimeOn**   
Hyper-fast timesheet entry for Dynamics GP

**Please sign in**

Organization Key

User name

Password

☐ Remember me

**Sign in**

1.3.116.0

Mobile Connector - Organization Admin Support Email Default Message

Organization Admin

Key	Name	Project Cost Url
Apcurium	Apcurium Inc.	http://gp.apcurium.local:8086/ProjectCostService.svc

Support Email Content

Attention mobile app support team:  
Please see my attached error log.

Save

[Configure exchange](#)  
[Configure users](#)  
[Back to list of organization](#)

As seen in the above screen, you may specify a default message body for emails support emails sent from users in the event of a problem.

Mobile Connector - Organization Admin MS Exchange Configuration

4. Select Configure exchange in order to specify your organization’s MS Exchange Configuration

5. In the fields provided above, specify your Organization’s MS Exchange web service URL.
- Your Exchange administrator should provide URL, and account credentials needed to test

MS Exchange Configuration

☒ Is Active

Server Url

https://pod51043.outlook.com/ews/Exchange.asmx ⓘ

Save

Test configuration

Test Username

Test Username

Test Password

Test Password

Test Domain

Test Domain

Test

[Back to organization settings](#)

the  
it.

6. Select “Back to organization settings”, and then “Configure users”

Mobile Connector - Organization Admin Configure User Access



## Edit Users

[Back to organization settings](#)

Number of users 10/25

Id	User Name	Last Seen	Access	Rights
ABarbariol	Angela Barbariol	never	<button>Revoke Access</button>	<button>Give Admin rights</button>
ABarr	Adam Barr	14 hours ago	<button>Revoke Access</button>	<button>Remove Admin rights</button>
ADelaney	Aidan Delaney	never	<button>Revoke Access</button>	<button>Give Admin rights</button>
BDiaz	Brenda Diaz	never	<button>Revoke Access</button>	<button>Remove Admin rights</button>
Ccuneo	Charles Cuneo	never	<button>Revoke Access</button>	<button>Give Admin rights</button>
Crose	Cindy Rose	never	<button>Revoke Access</button>	<button>Give Admin rights</button>
GErickson	Gregory Erickson	never	<button>Revoke Access</button>	<button>Give Admin rights</button>
JChen	John Chen	never	<button>Revoke Access</button>	<button>Give Admin rights</button>
JClayton	Jane Clayton	never	<button>Revoke Access</button>	<button>Give Admin rights</button>
JDoyle	Jenny Doyle	1 weeks ago	<button>Revoke Access</button>	<button>Give Admin rights</button>
LBonifaz	Luis Bonifaz	never	<button>Grant Access</button>	<button>Give Admin rights</button>
NBuchanan	Nancy Buchanan	never	<button>Grant Access</button>	<button>Give Admin rights</button>
PAckerman	Pilar Ackerman	never	<button>Grant Access</button>	<button>Give Admin rights</button>

[Back to organization settings](#)

- You may now grant access to each of your Olympic Project Cost employees. You may “Give Admin rights” to any user that should access the Mobile Connector Access Portal.

When you Grant Access, a Welcome Email is sent to each user, with instructions to download the mobile app.

Users must first be fully setup in Project Cost. See Project Cost User Guide for instructions on setup.

## Mobile Connector - Organization Admin Welcome Email Template

The Welcome Email will be sent to the address on record for each employee in the PC User Setup window.

The email contents are:

Dear <Firstname> <Lastname>,

You've been given access to <Your Company>'s mobile app for Time & Expense. To get started, please download the app from the app store.

Apple (iOS) users: <https://itunes.apple.com/app/id703732379>

Google (Android) users: <https://play.google.com/store/apps/details?id=com.apcurium.TimeOn&hl=en>

Your credentials

Organization is : <Organization Key>

Login username is : <PC EmployeeID>

Password : use your existing Olympic Web Suite password.

If you don't remember your password, please contact your Dynamics GP administrator.

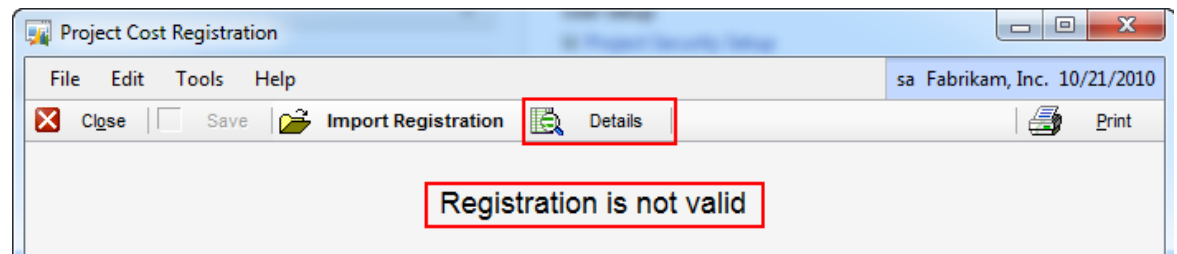
## Trouble Shooting Common Issues Encountered


In the event of an error, Project Cost will provide the user with information relating to the problem encountered. Below are Tech Knowledge documents to assist the user with common setup issues for the Time & Expense module.

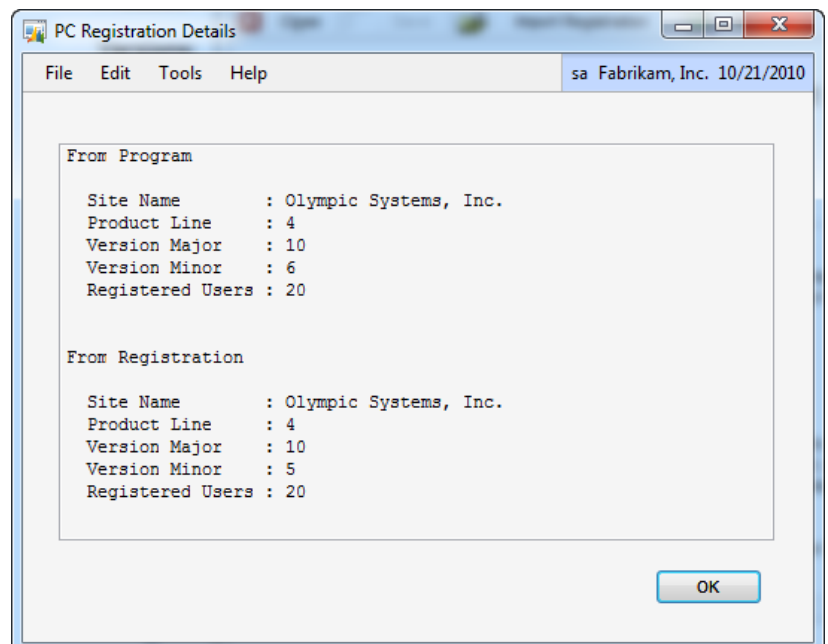
**Document ID:** TK 00086  
**Date Created:** October 21, 2010  
**Product:** All Projects

**Versions:** v10.03.01 or later  
**Module/Process:** Project Cost Registration

Issue: 'Registration is not valid' when importing registration token.



**Resolution:** Click on the Details  Details button to open the PC Registration Details window.



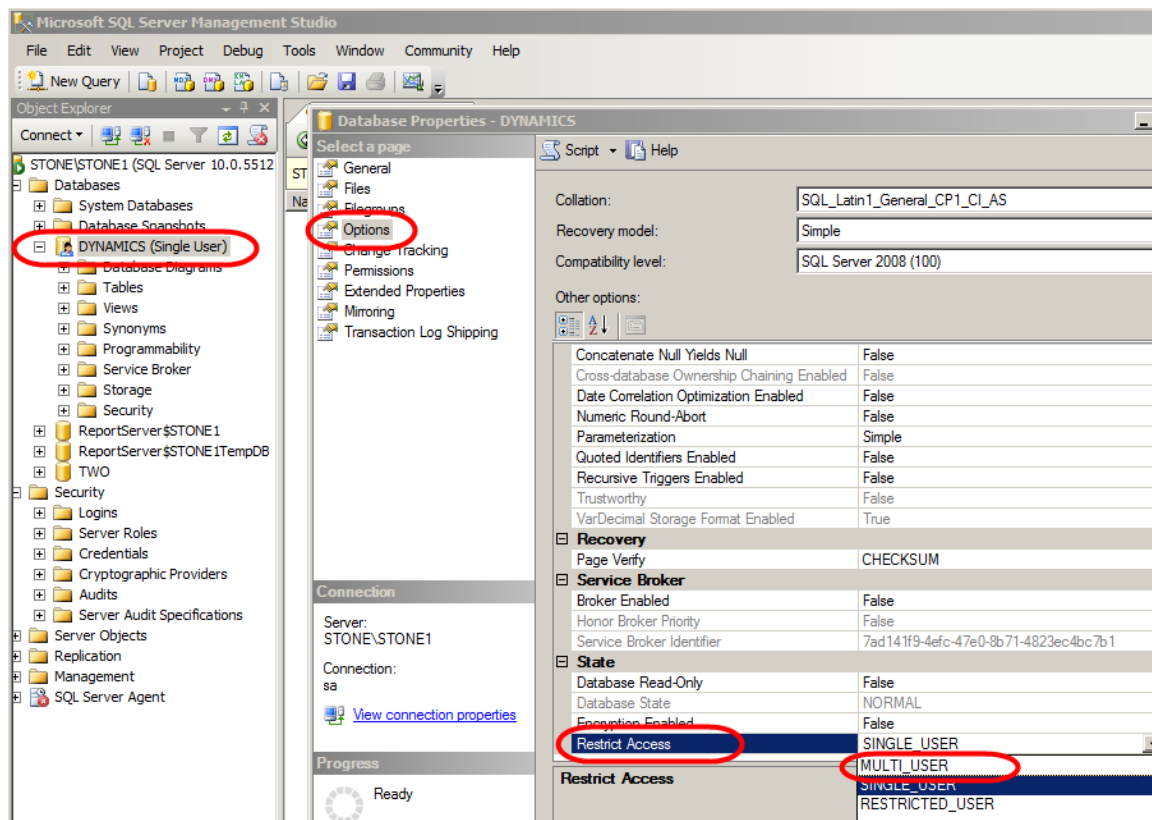
Send a screen shot of this window to: [support@projectcost.net](mailto:support@projectcost.net)  
Call Olympic Systems for assistance at 206-547-5777 ext 119

**Document ID:** TK 00112  
**Date Created:** May 6, 2013  
**Product:** All Projects

**Versions:** v11.02.03 or later  
**Module/Process:** Time & Expense Entry

Issue: "SY\_Registration Record not found" error received on launch of GP

**Resolution:** This is an extremely unusual error.  
It was caused by the system database being left in a Single-User mode.  
Right Click on the **Database** and select **Properties**  
Click on **Options** and scroll down to **Restrict Access**  
Select **MULTI-USER**  
Save the record.



**Document ID:** TK 00126  
**Date Created:** November 7, 2014  
**Product:** All Projects

**Versions:** v12.02.01 or later  
**Module/Process:** Project Cost AddIn Registration

**Issue:** Project Cost AddIn Failed to Load  
**– Add-In Exception in Terminal Server Environment**

**Cause:**

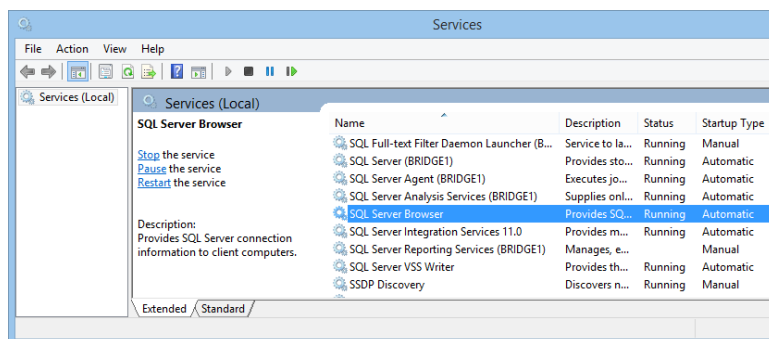
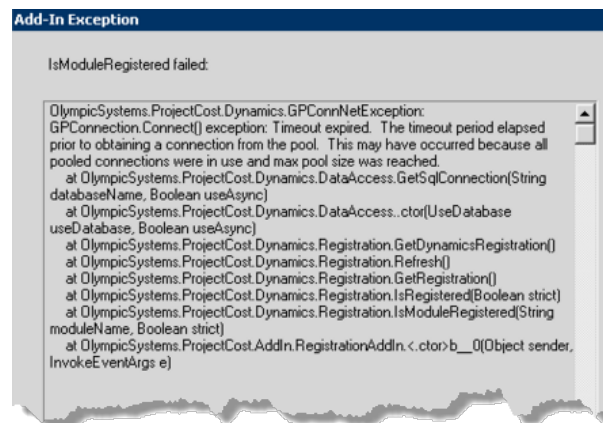
**First** Check permissions to the **GP Addins** directory – make sure all users have full control over the directory and that the files did not come in blocked.(see TK 00121)

**Second** check that **TCP/IP** is enabled as a connection option to the Sql Server. (see TK 00115)

**Third** check that **SQL Server Browser** is running.

**To start the SQL Server Browser service**

- On the **Start** menu, right-click **My Computer**, and then click **Manage**.
- In **Computer Management**, expand **Services and Applications**, and then click **Services**.
- In the list of services, double-click **SQL Server Browser**.
- In the **SQL Server Browser Properties** window,
  - Change the **Startup Type** to Automatic
  - Click **Start** to start the Service.
- When the service starts, click **OK**.



Finally, this problem can occur because some non-IFS Winsock Base Service Providers (BSPs) or Layered Service Providers (LSPs) that are installed on the system intercept and change the incoming and outgoing network traffic. Therefore, when the application connects to SQL Server, these BSPs or LSPs interfere with the calls to Winsock.

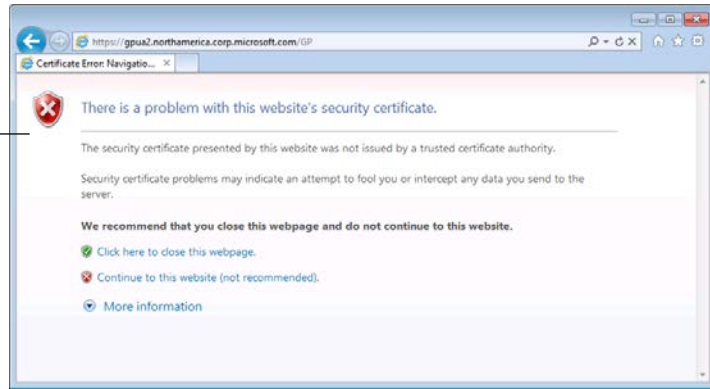
**Resolution:**

To resolve this issue, upgrade the .NET Framework 4.5.1 to [the Microsoft .NET Framework 4.5.2](#)

## Importing a Self-signed Security Certificate

When you are using a self-signed security certificate, there is no certificate authority available to verify the certificate. If you use another computer to connect to the Microsoft Dynamics GP web client installation that is using a self-signed security certificate, you will see a certificate error displayed in the web browser.

*If a self-signed security certificate is used for the Project Cost Web Suite installation, you will see a security certificate error when you try to connect from a different computer.*



If a self-signed security certificate is used for the Project Cost Web Suite, the certificate error can prevent you from successfully logging into the site.

The solution is to import the security certificate into the machine that will be accessing the web client.

### Step 1. Retrieve the Security Certificate

1. Open Internet Explorer on the computer that will be used to connect to the Project Cost Web Suite.
2. Connect to the Project Cost Web Suite site. The browser will display a message indicating that there is a problem with the web site's security certificate. Click **Continue to this website**.
3. The URL area of the browser you will appear in red, indicating a security certificate error.

Click **Certificate error** to display the details of the error.

4. In the Drop-Down, Click **View Certificates**.
5. In the Certificate window, Click **Details** tab.
6. Click **Copy to File** to open the Certificate Export Wizard. Click **Next**.
7. Select the **DER encoded binary X.509** format, and Click **Next**.

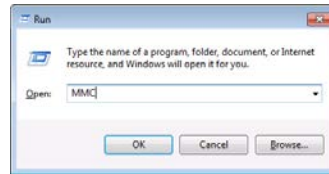


8. Click **Browse** to open a file dialog box that allows you to name the certificate file and select a location to store the file. Click **Save**.
9. In the Certificate Export Wizard, Click **Next**. Then click **Finish**. A message will be displayed indicating that the security certificate was exported.
10. Click **OK** to close the Certificate window.

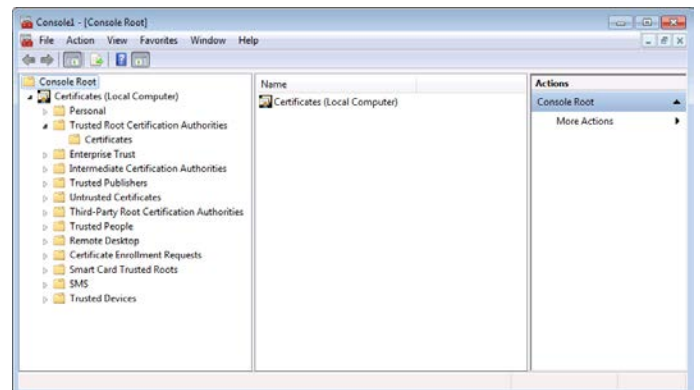
## Step 2. Install the Security Certificate

1. On the computer that will be used to connect to the web client, open the Run prompt. (Choose Start > Run or press Window-R)

2. In the Open field, type **MMC** and then click **OK**.



3. In the Microsoft Management Console, open the File menu and choose **Add/ Remove Snap-in**.
4. In the Add or Remove Snap-ins window, choose the **Certificates** snap-in from the Available snap-ins list, and then click **Add**.
5. In the Certificates snap-in dialog box, choose **Computer account** and then click **Next**.
6. In the Select Computer dialog box, choose **Local computer** and then click **Finish**.
7. In the Add or Remove Snap-ins window, click OK.
8. In the left pane, expand the Certificates (Local Computer) node, and then expand the Trusted Root Certification Authorities node.



9. Under **Trusted Root Certification Authorities**, right-click the **Certificates** node, point to **All Tasks**, and then click **Import**.
10. In the Certificate Import Wizard welcome screen, click **Next**.
11. In the File to Import screen, click **Browse**.
12. Browse to the location of the security certificate that you retrieved from the previous procedure. Select the .cer file and click **Open**. Click **Next** to continue.
13. In the Certificate Store screen, verify that the certificate is being added to the Trusted Root Certification Authorities store. Click **Next**.
14. Click **Finish** to complete the import process.
15. Close the Microsoft Management Console window.

## Hardware/Software Operational Environment Requirements v14.xx/16.xx

<i>Item</i>	<i>SQL Server</i>	<i>Web Server</i>	<i>GP Client</i>	<i>Web Client</i>
<b>Operating System</b>  32 or 64 bit	Microsoft Windows Server 2016 Datacenter Edition Microsoft Windows Server 2012 Datacenter Edition  Microsoft Windows Server 2012 R2 Datacenter Edition		MS Windows 10 Professional Enterprise Edition  MS Windows 8/8.1 Professional Ultimate Enterprise Edition  MS Windows 7 Professional Ultimate Enterprise Edition	MS Windows 10 Professional Enterprise Edition  MS Windows 8/8.1 Professional Ultimate Enterprise Edition  MS Windows 7 Professional Ultimate Enterprise Edition
<b>Processor</b>	2 Dual Core or 4 Single Core Processors		1 Dual Core or 1 Single Core Processor 2.6 GHz or greater	1 Dual Core or 1 Single Core Processor 2.6 GHz or greater
<b>Available Hard Drive Space</b>	RAID 1 for operating system and applications (2 disks) RAID 1 for SQL database log files (2 disks) RAID 1 for TempDB (2 disks) RAID 0 for SQL backups (full and log) (2 disks) RAID 0+1 for data files (8 disks or more)		2 GB or More on the System Root	
<b>Minimum RAM</b>	8 GB or More	8 GB or More	2 GB or More	2 GB or More
<b>Network Card</b>	1 GB Ethernet	1 GB Ethernet	1 GB Ethernet	1 GB Ethernet
<b>Database Requirements</b>	( Note: The IIS Server and the GP Client need connectivity to the SQL Server. The Web Client connects via the IIS Server.)  MS SQL Server 2016 Enterprise or Standard Edition MS SQL Server 2014 Enterprise or Standard Edition  <b>Supported Microsoft SQL Server Collation</b> 1. Dictionary Order Case Insensitive - Sort Order 52 (SQL_Latin1_General_CP1_CI_AS) 2. Binary - Sort Order 50 (Latin1_General_BIN) *** <b><u>Binary is Not Recommended</u></b> ***			
<b>Other Applications</b>	.Net Framework v4.5 or later ASP.Net 4.0+ SQL Native Client			
<b>Internet Explorer</b>	V8.0 or newer	V8.0 or newer	V8.0 or newer	V8.0 or newer
<b>Silverlight</b>		Silverlight 5	Silverlight 5	Silverlight 5
<b>UPS Battery Backup</b>	Yes	Yes	Yes	Yes