



**Olympic Systems**

# Project Cost Version Upgrade Installation Guide

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

Version

14.01



PROJECT COST BY OLYMPIC SYSTEMS, INC.

# Project Cost Upgrade Installation Guide

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# What's New in Project Cost – v12.03 & 14.01

This version adds these new features and improved functionality:

1. [PC Mobile Time & Expense Entry for Android & IOS Devices](#)
2. [PC Web Time & Expense Entry Submissions Process](#)
3. [PC Web Time & Expense Entry Personal Credit Card Statement Download Process Option](#)
4. [PC Web Time & Expense Entry Company Credit Card Statement Process Option](#)
5. [Email Notice of User Account Changes](#)
6. [Expense Rate Controls for Per Diem & Mileage Type Transactions](#)
7. [Negative Expense Transaction Entry](#)
8. [Negative Budget Transactions to Support Periodic Adjustments](#)
9. [Project Record Audit Module](#)
10. [Task Record Audit Module](#)
11. [Historical Project Overhead Rate Reporting](#)
12. [Revenue Recognition Assignment from Master Project](#)

### **PC System Setup Window – Enable Submission Process**

Project Cost now supports a Submissions Process for Time & Expense transactions. When enabled users can enter T&E transactions and hold them in a pending or in work status until ready to submit them for managers review. This also activates Group By options in the PC Create Payable Transaction window.

### **PC User Setup Window – Supports New Email Notice for Account Changes**

Project Cost now supports sending email notice to employees when changes have been made to their Logon Account.

### **PC Budget Explorer Window – Supports New Functionality for Zero & Negative Values**

Project Cost now supports budget transactions with negative and zero values. This is useful when updating budgets for changes in period projections.

### **PC Labor Rate Explorer Window – Supports New Functionality for Pay/Expense Codes**

With the new Editable and Markup Percent controls on Pay Codes - Project Cost has modified the Project Labor Rates window to support these new features.

### **PC Project Audit – Added Project Records to PC Audit Tools**

The PC Project Audit tool provides the ability to track history of setup and changes over time to Project records.

### **PC Task Audit – Added Task Records to PC Audit Tools**

The PC Task Audit tool provides the ability to track history of setup and changes over time to Task records.

### **Added Method for Assigning Valuation Class ID at the Master Project**

Project Cost now supports assignment of the Valuation Class ID at the Master Project level and rolling the same ID down to all sub-projects.

### **PC Pay Code Setup Window – Is Editable Option for Both Pay & Expense Codes**

Project Cost now has a control to establish if a Pay Code or Expense Code is 'Editable' or not. The Pay/Expense Code is created as being Editable or not. When the Code is assigned to the User or Class - a Code can be made Editable or Not.

### **PC Pay Code Setup Window – Markup Percent Options for Both Pay & Expense Codes**

Project Cost now has a control to establish a Billing Rate based on a Markup Percentage. When the Code is assigned to the User or Class – the Markup Percent will default or it may be overridden.

### **PC Import Setup – Import Company Credit Card Statement for Processing**

New Import Option for Credit Card Statements – When imported the statements are pushed out to the employee assigned to the card for expense reporting. These transactions will follow the normal business process flow for Review, Submission, Manager Approval and then processing into Accounts Payable for payment.

### **PC Import Setup – Import Project Budgets with Zero and Negative Values**

New Import Option for Project Budgets permits users to import records with negative and zero values. This is useful when updating budgets for changes in period projections.

### **PC Project Labor Rates Window – Supports New Functionality for Pay/Expense Codes**

With the new Editable and Markup Percent controls on Pay Codes - Project Cost has modified the Project Labor Rates window to support these new features.

### **PC Task Labor Rates Window – Supports New Functionality for Pay/Expense Codes**

With the new Editable and Markup Percent controls on Pay Codes - Project Cost has modified the Task Labor Rates window to support these new features.

### **PC Employee Class Setup Window – Removed Default Department from Class Setup**

Removed the requirement of a default Department ID for the Employee Class record.

### **PC Employee Class Pay Codes Window – Added Support for Pay/Expense Codes Functionality**

With the new Editable and Markup Percent controls on Pay Codes – Project Cost has modified the Employee Class Pay Codes to support these features

**PC Employee Class Rates Window – New Window to Support Class Level Rate Assignments**

This window permits the user to establish Class Level Override Cost and Billing rates for both Pay Codes and Expense Codes..

**PC Employee Pay Code Window – Supports New functionality for Pay/Expense Codes**

With the new Editable and Markup Percent controls on Pay Codes - Project Cost has modified the Employee Pay Code window to support these new features.

**PC Employee Rates Window – Supports New functionality for Pay/Expense Codes**

With the new Editable and Markup Percent controls on Pay Codes - Project Cost has modified the Employee Pay Code window to support these new features.

**PC Employee Credit Cards Window – Fields Added to Support Credit Card Statement Imports**

With new Credit Card Statements Import tools we have added fields to support this new functionality

**PC Periodic Labor Pay Code Setup Window – Exclude Pay Codes From PAL Calculations**

This new window permits users to define a list of any Pay Codes that are to be excluded from PAL calculations.

**PC Create PM Transaction Window – Added Group By Option to this Window View**

New option to this window permits transactions to be Grouped by Vendor, Submission Date & Time.

**PC Create PM Transaction Window – Added Rejection Option to Return Transaction to Employee**

New option to this window permits transactions to be rejected and returned to employee for correction.

**PC Create PM Transaction Window – Added Attachments View Option to this Window View**

New option to this window Highlights transactions that have Attachments and provides an option to view the attachment.



# Operational Notes for v14.01

- **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

- **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.

[Microsoft Dynamics GP >> Maintenance >> Backup](#)

[Microsoft Dynamics GP >> Maintenance >> Restore](#)

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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 Transaction Audit	Yes	No
PC User Setup		DYNSA or sa or PC Auth Code

Project Cost provides an 'Easy-to-Use' component based upgrade procedure that automatically runs the upgrade process. For information and assistance please contact your Microsoft Dynamics GP Service Partner or call our offices at 206-547-5777. There are NO Manual SQL Scripts needed to be run by the user.

#### New or Modified Tables

The following tables are either New or have been updated between v12.02.xx and v12.03/14.01:

Physical Table Name	Display Table Name	Data Base	Action
pc00100	pcSystemMaster	Company	Upgrade
pc00190	pcValuationClassMaster	Company	Upgrade
pc00200	pcProjectMaster	Company	Upgrade
pc00210	pcProjectRates	Company	Upgrade
pc00235	pcProjectIDSetup	Company	Upgrade
pc00260	pcAssemblyMaster	Company	Upgrade
pc00300	pcTaskMaster	Company	Upgrade
pc00390	pcTaskMoveTemp	Company	Upgrade
pc00410	pcEmployeeCreditCards	Company	Upgrade
pc00420	pcEmployeeClassMaster	Company	Upgrade
pc00450	pcPayCodeDetail	Company	Upgrade
pc00600	pcDepartmentMaster	Company	Upgrade
pc00670	pcRateIDMaster	Company	Upgrade
pc00861	pcProjectHistory	Company	Upgrade
pc00863	pcProjectHistoryDetail	Company	Upgrade
pc00920	pcPayCodeMaster	Company	Upgrade
pc10000	pcTransaction	Company	Upgrade
pc10005	pcTransactionImport	Company	Upgrade
pc10007	pcTransactionCC	Company	New
pc10200	pcTransactionException	Company	Upgrade
pc16000	pcBurdenTransactionHist	Company	Upgrade
pc16200	pcBurdenPoolHist	Company	Upgrade
pc16650	pcPoolHist	Company	Upgrade
pc16662	pcBasePoolHist	Company	Upgrade
pc16672	pcPoolRateHist	Company	Upgrade
pc17013	pcLaborPayCodesToExclude	Company	New
pc20000	pcValuationHist	Company	Upgrade
pc20100	pcValuationDetailHist	Company	Upgrade
pc20101	pcValuationDetailTemp	Company	Upgrade
pc90200	pcCreatePM_Trx	Company	Upgrade
pc90201	pcCreatePM_TrxAvailable	Company	Upgrade
pc92000	pcProjectAudit	Company	New
pc93000	pcTaskAudit	Company	New
z99100	zUSS	Company	Upgrade
zpc00910	zReportOptions	Company	Upgrade
zpc10000	pcTransactionProcess	Company	Upgrade

## Viabale Upgrade Paths

This part of the user guide is intended to provide guidelines for upgrading your Olympic Project Cost system.

**Note: Version upgrades must be completed in succession.**

**Below is a chart which describes various upgrade paths for Project Cost.**

Viabale Project Cost Upgrade Paths										
Source Version	Destination Version									
	10.05.xx	10.06.xx	11.01.xx	11.02.xx	11.03.xx	12.01.xx	12.02.01	12.02.03	12.03.01	14.01.xx
10.05.xx										
10.05.xx		to								
10.06.xx			to							
10.06.xx			-----	to	-----					
11.01.xx										
11.02.xx										
11.02.xx					to					
11.03.xx										
12.01.xx										
12.02.01/02										
12.02.03										
12.03.01										
Versions v10.05 and v11.01 have the same feature and table structure.										
Versions v10.06 and v11.02 have the same feature and table structure.										
Versions v11.03 and v12.01 have the same feature and table structure.										
Versions v12.03 and v14.01 have the same feature and table structure.										

## Important Changes to Project Cost Import Tools

This release has extensive changes to the Project Cost Import Tools suite.

Users will need to re-map Import ID details for the following Import types:

1. Time Transaction Imports
2. Expense Transaction Imports
3. Payables Transaction Imports
4. Sales Transaction Imports
5. Budget Billing Transactions Imports
6. Project Imports
7. Task Imports
8. Credit Card Imports

## 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.

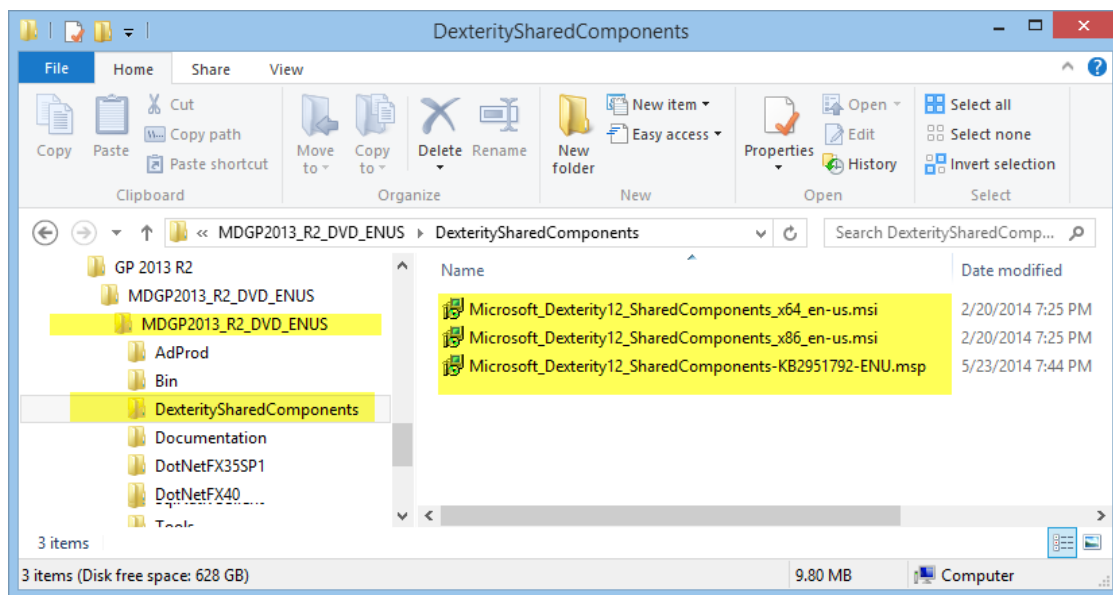
Project Cost is dependent on users having specific features setup in Dynamics GP. Please review the PC Basic Setup Requirements for Project Cost.pdf that is available for download from the Project Cost Partner Site.

### 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. Microsoft .NET Framework 4.5.2 (Web Installer) for Windows Vista SP2, Windows 7 SP1, Windows 8, Windows 8.1, Windows Server 2008 SP2 Windows Server 2008 R2 SP1, Windows Server 2012 and Windows Server 2012 R2

## SQL Server Configuration Settings GP for Project Cost

### Set SQL Server Network Configuration Settings

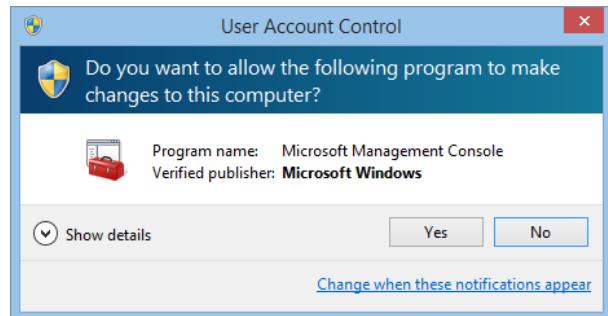
Project Cost requires that the SQL Server Networks Configuration Settings be set to allow TCP/IP connections.

Start the SQL Server Configuration Manager

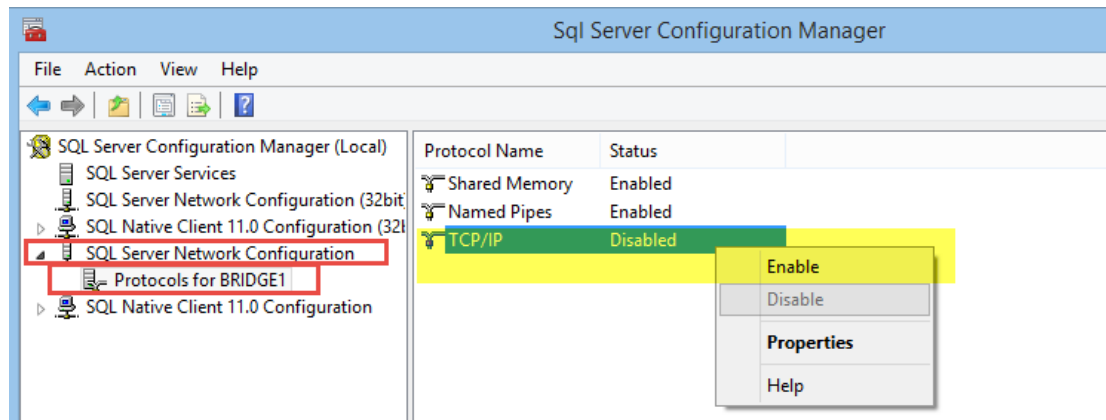
**Start >> Programs >> Microsoft SQL Server (version) >> Configuration Tools >> SQL Server Configuration Manager**

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

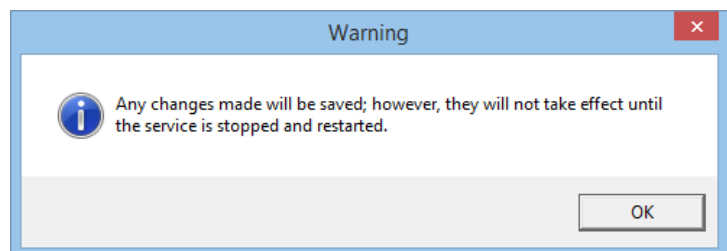


Click on Protocols for [your SQL Server name]

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.

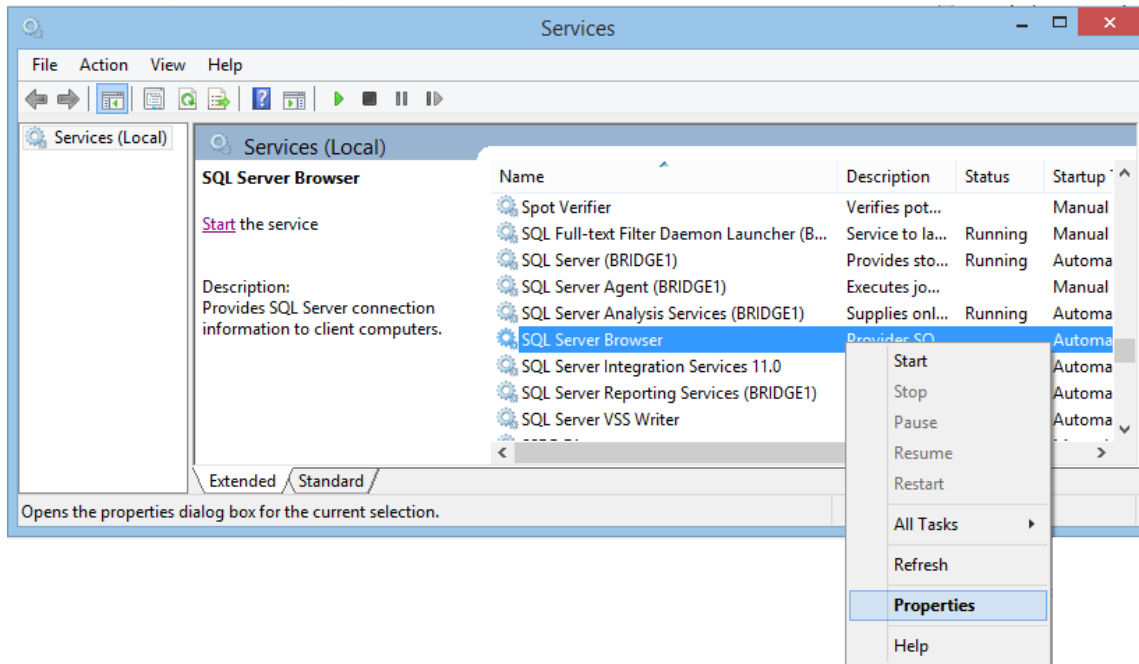
## Set SQL Server Browser Service Settings

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

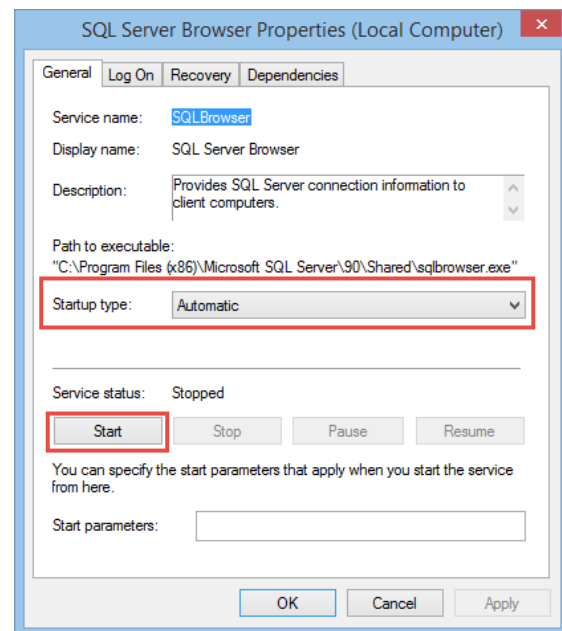


In the SQL Server Browser Properties window

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

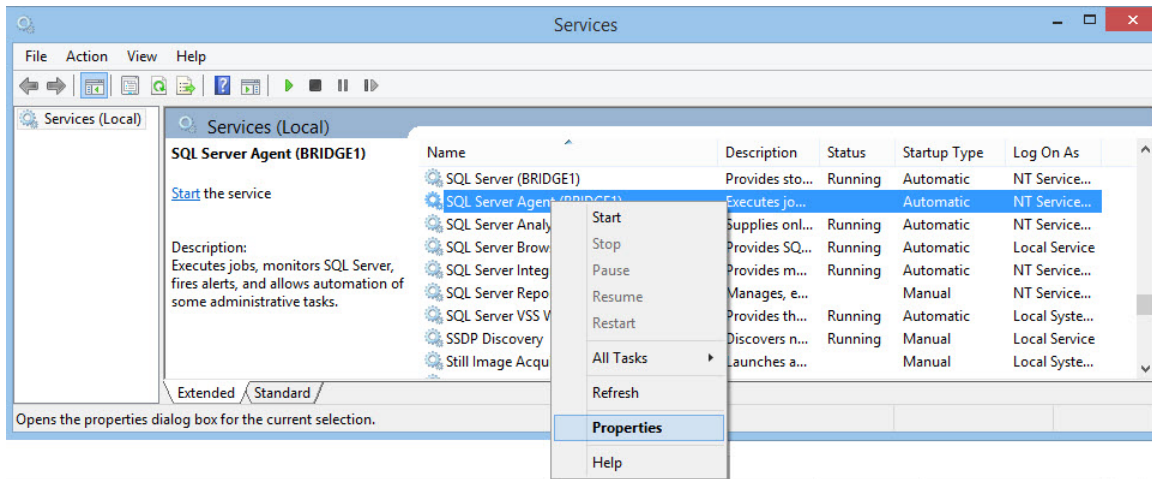
Project Cost requires that the SQL Server Agent service is running and set to run automatically.

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

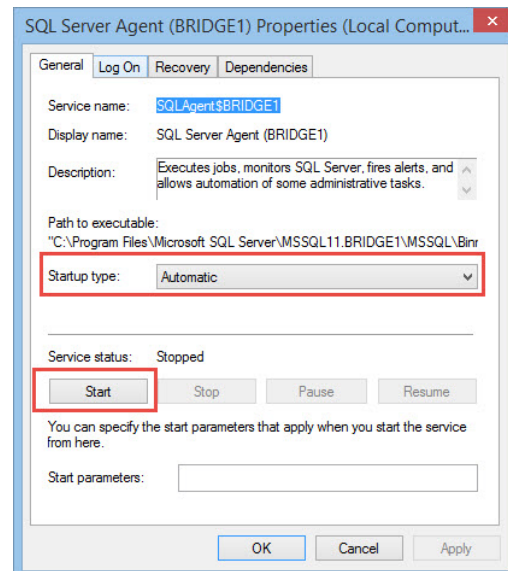


In the SQL Server Agent Properties window

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.

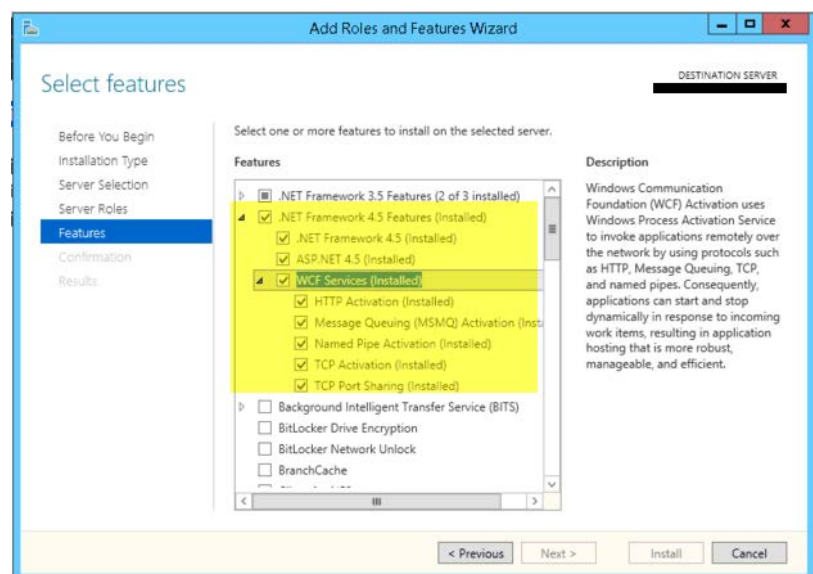
Below are the IIS Roles and Role Services options available to activate in IIS. We have highlighted the options needed by Project Cost. Additional instructions and resources are available to assist in configuration and deployment of IIS for Project Cost - contact your GP partner or our office for assistance.

### IIS Roles & Role Services

Required Yes/No	Role/Role Service	Functionality
Yes	<b>Web Server Role</b>	Provides support for HTML Web sites & optional support for ASP.NET, ASP, & Web server extensions, enabling you to host an internal or external Web site or create Web-based applications.
Yes	<b>Web Server*</b>	Provides support for HTML Web sites & optional support for ASP.NET, ASP, & Web server extensions, enabling you to host an internal or external Web site or create Web-based applications.
Yes	<b>Common HTTP Features*</b>	Supports basic HTTP functionality, such as delivering standard file formats & configuring custom server properties.
Yes	<b>Default Document*</b>	Enables you to configure a default file for the Web server to return when users do not specify a file in a request URL.
No	<b>Directory Browsing*</b>	Enables users to see the contents of a directory on a Web server when they do not specify a file in a request URL & default documents are either disabled or not configured.
Yes	<b>HTTP Errors*</b>	Enables you to customize the error messages that are returned to the users' browsers when the Web server detects a fault condition, improving the user experience.
Yes	<b>Static Content*</b>	Enables the Web server to publish static Web file formats, such as HTML pages & image files that can be viewed using a Web browser.
No	<b>HTTP Redirection</b>	Enables the Web server to redirect user requests that are sent to a specific destination.
No	<b>WebDAV Publishing</b>	Web Distributed Authoring & Versioning. Enables you to publish files to & from a Web server by using the HTTP protocol, working through most firewalls without modification.
Yes	<b>Health and Diagnostics*</b>	Provides an infrastructure to monitor, manage, & troubleshoot the health of Web servers, sites, & applications.
No	<b>HTTP Logging*</b>	Provides logging of Web site activity for the server, in addition to the logging provided by the operating system.
No	<b>Custom Logging</b>	Enables you to create a custom logging module that performs logging of Web server activity in a format that differs from the logging normally performed by IIS.
No	<b>Logging Tools</b>	Provides an infrastructure to manage Web server logs & automate common logging tasks.
No	<b>ODBC Logging</b>	Provides an infrastructure that supports logging Web server activity to an ODBC-compliant database, enabling you to programmatically display & manipulate logging data on an HTML page.
No	<b>Request Monitor</b>	Provides an infrastructure to monitor Web application health by capturing information about HTTP requests.
Yes	<b>Tracing</b>	Provides an infrastructure to diagnose & troubleshoot Web applications, including poor performance & authentication-related failures.
No	<b>Performance*</b>	Provides an infrastructure to enable more efficient use of bandwidth by performing compression of static and/or dynamic content.
No	<b>Static Content Compression*</b>	Provides an infrastructure to configure HTTP compression of static content.
No	<b>Dynamic Content Compression</b>	Provides an infrastructure to configure HTTP compression of dynamic content.
Yes	<b>Security*</b>	Provides an infrastructure for securing the Web server from users & requests, using one of multiple authentication methods.
No	<b>Request filtering*</b>	Enables screening of all incoming requests to the server, & filters the requests based upon rules set by the administrator.
No	<b>Basic Authentication</b>	An authentication method in which users are prompted to supply credentials that are transmitted unencrypted across the network.
Optional	<b>Centralized SSL Certificate</b>	An authentication method that uses SSL server certificates that are managed centrally using a file share.
Optional	<b>Client Certificate Mapping Authentication</b>	An authentication method that uses client certificates to authenticate users, using Active Directory to offer one-to-one certificate mappings across multiple Web servers.
No	<b>Digest Authentication</b>	An authentication method that sends a password hash to a Windows domain controller to authenticate users, especially useful if users who must be authenticated will access the Web site from behind firewalls & proxy servers.
No	<b>IIS Client Certificate Mapping Authentication</b>	An authentication method that uses client certificates to authenticate users, using IIS to offer one-to-one or many-to-one certificate mapping.
No	<b>IP and Domain Restrictions</b>	An authentication method that enables you to enable or deny content based upon the originating IP address or the domain name of the request.
No	<b>URL Authorization</b>	An authentication method that enables you to create URL authorization rules that restrict access to Web content.
No	<b>Windows Authentication</b>	An authentication method that enables administrators in a Windows domain to take advantage of the domain infrastructure for authenticating users, a low-cost authentication solution for internal Web sites.

Required Yes/No	Role/Role Service	Functionality
Yes	<b>Application Development</b>	Provides an infrastructure for developing & hosting Web applications, useful for creating Web content & extending the functionality of IIS.
Yes	.NET Extensibility 3.5	Enables managed code developers to change, add, & extend Web server functionality in the entire request pipeline, the configuration, & the UI.
Yes	.NET Extensibility 4.5	Enables managed code developers to change, add, & extend Web server functionality in the entire request pipeline, the configuration, & the UI.
No	Application Initialization	Enables you to perform expensive Web application initialization tasks before serving Web pages.
Yes	ASP	Provides a server-side scripting environment for building Web sites & Web applications, especially for existing applications.
Yes	ASP.NET 3.5	Provides a server-side object-oriented programming environment for building Web sites & Web applications using managed code.
Yes	ASP.NET 4.5	Provides a server-side object-oriented programming environment for building Web sites & Web applications using managed code.
No	CGI	Defines how a Web server passes information to an external program.
Yes	ISAPI Extensions	Internet Server Programming Interface Extensions. Provides support for dynamic Web content development.
Yes	ISAPI Filters	Internet Server Programming Interface Filters. Enables you to extend or change the functionality provided by IIS, reviewing every request made to the Web server & processing the appropriate requests.
No	Server Side Includes	A scripting language used to dynamically generate HTML pages, using script that is run on the server before the page is delivered to the client.
No	WebSocket Protocol	Provides communication channels for server applications created with IIS 8.x & ASP.NET 4.5.
No	FTP Server	Enables the transfer of files between a client & a server, using either an FTP client or an FTP-enabled Web browser.
No	FTP Service	Enables FTP publishing on a Web server.
No	FTP Extensibility	Enables support for FTP extensibility features such as customer providers, ASP.NET users, or IIS Manager users.
No	IIS Hostable Web Core (IIS 8.0, not IIS 8.5)	Enables you to write custom code that will host core IIS functionality in your own application that serves HTTP requests & uses its own applicationHost.config & root Web.config configuration files.
Yes	Management Tools*	Provides an infrastructure for managing a Web server that runs IIS 7.0 or later.
Yes	IIS Management Console*	Provides an infrastructure for managing an IIS 7.0 or later Web server, local or remote, using a user interface.
Optional	IIS 6 Management Compatibility	Provides forward compatibility for applications & scripts that use the IIS 6 APIs, Admin Base Object (ABO) & Active Directory Service Interface (ADSI).
Optional	IIS 6 Metabase Compatibility	Provides an infrastructure for querying & configuring the Metabase, so that you can run applications & scripts migrated from earlier versions of IIS that use Admin Base Object (ABO), & Active Directory Service Interface (ADSI).
Optional	IIS 6 Management Console	Provides an infrastructure for administration of remote IIS 6.0 servers.
Optional	IIS 6 Scripting Tools	Enable you to continue to use scripts built to manage IIS 6 in IIS 7.0 or later, especially if your applications & scripts use ActiveX Data Objects (ADO) or Active Directory Service Interface (ADSI).
Optional	IIS 6 WMI Compatibility	Provides Windows Management Instrumentation (WMI) scripting interfaces to programmatically manage & automate tasks for an IIS 8.0 or later Web server.
Optional	IIS Management Scripts and Tools	Provides an infrastructure to programmatically manage an IIS 7.0 or later Web server by using commands in a command window or by running scripts.
Optional	Management Service	Enables the Web server to be managed remotely from another computer using IIS Manager.

Note: Don't forget to select the WCF Features



# Project Cost Upgrade 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)
- Create an Export Package of all Project Cost Modified files

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 2. – Copy Files to the Root Client Directory - GP2015

*These files are located in the Program Files\GP2015 directory in the download*

- PC141kxx.cnk (xx = minor version number)
- PC1401xx.chm(xx = minor version number)
- Application.ProjectCost.dll
- OlympicSystems.Common.dll
- OlympicSystems.ProjectCost.Dynamics.dll
- OlympicSystems.ProjectCost.AddIn.dll -- note this file is used for web client deployments

## Step 3. – Copy Files to the AddIns Directory

*This file is located in the Program Files\GP2015\AddIns directory in the download*

- OlympicSystems.ProjectCost.AddIn.dll

## Step 4. – Edit the Dynamics.set file located in the client directory if needed

Reduce the dictionary count by 1  
In this example 5 will be changed to 4

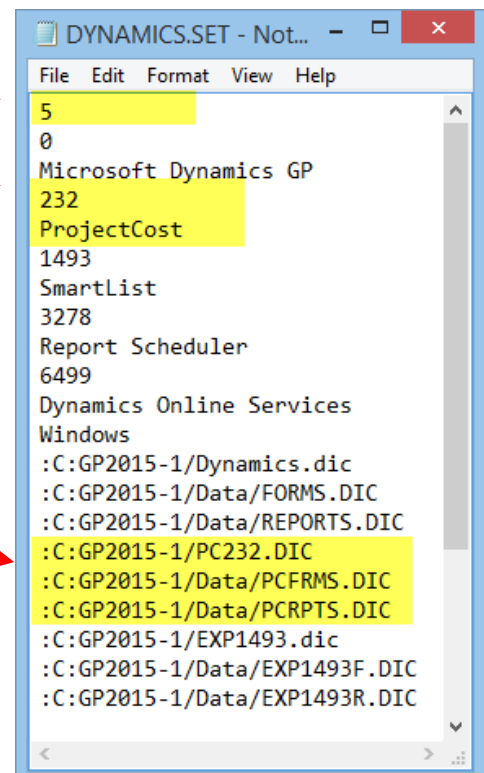
Delete the lines that read  
232  
ProjectCost

Delete the lines ending with:  
PC232.DIC  
PCFRMS.DIC  
PCRPTS.DIC

In this example:

:C:GP2015-1/PC120101.DIC  
:C:GP2015-1/Data/PCFRMS.DIC  
:C:GP2015-1/Data/PCRPTS.DIC

**Save the file**

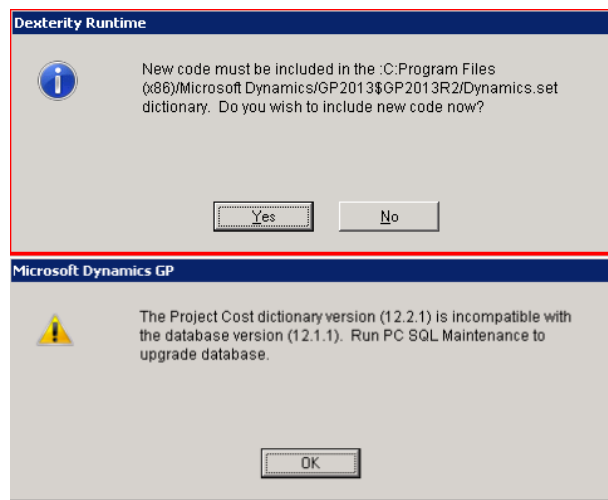


## Step 5. – Launch Microsoft Dynamics GP

(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.



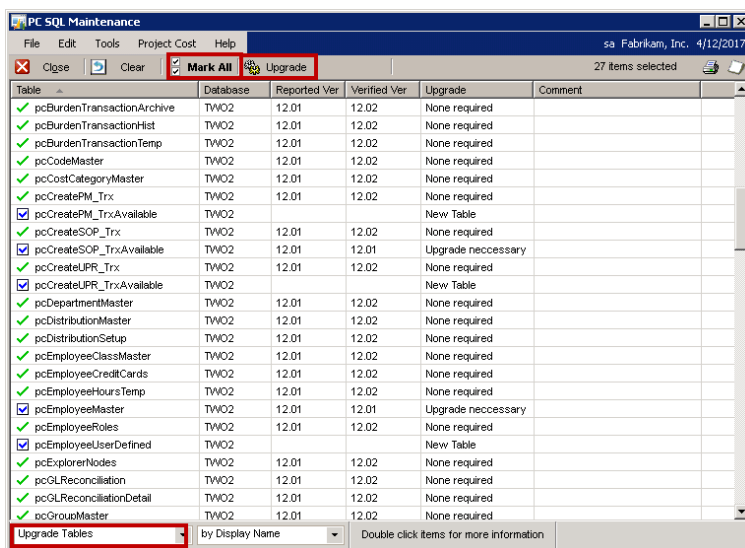
## Step 6. – Navigate to Project SQL Maintenance Window

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

### a. Select Upgrade Tables

From the drop down list on the lower left corner of the SQL Maintenance Window.

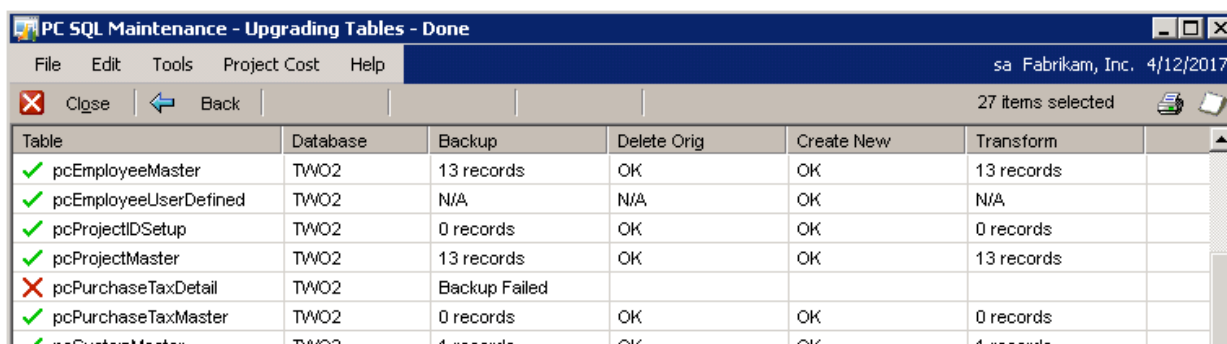
- Click the Mark All Button.
- Click the Upgrade Button.



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

- Click the Back  Button.

Note: Errors will be marked with a red X - Any Errors should be reported to Olympic Systems at once.

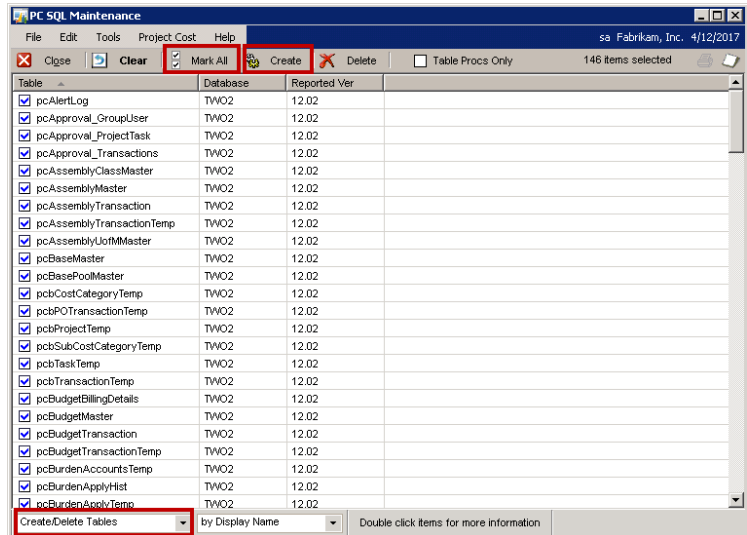


## b. Select Create/Delete Tables

From the drop down list on the lower left corner of the SQL Maintenance Window.

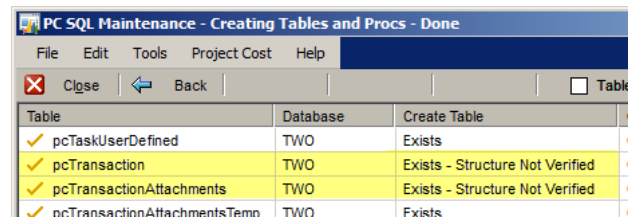
- Click the Mark All Button.
- Click the Create Button.

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




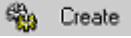
Note: 2 tables will indicate a 'Structure Not Verified'. This is expected and not a problem. We are using a SQL data type that is new to Dexterity.

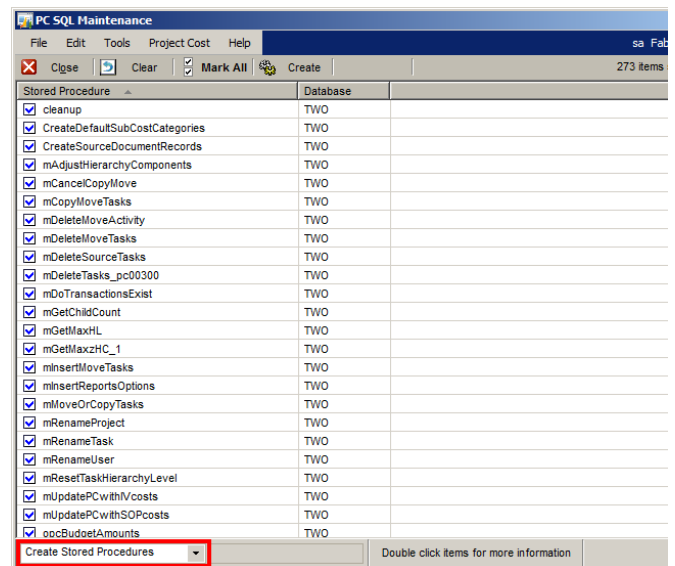
- Click the Back  Button.



Report any other exceptions to our support line for assistance.

## c. Next - Stored Procedures Creation

- Select Create Stored Procedures from the drop down list on the lower left corner of the SQL Maintenance Window.
- Click the Mark All  Button.
- Click the Create  Button.



- Click the Back  Button.

#### d. Next – Initialize Project Cost Security Tasks

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

- **Select Additional Processes**

- Click the Initialize Button.
- Click OK on the “Project Cost Security Tasks

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

- Click the Add Button (...all Users)

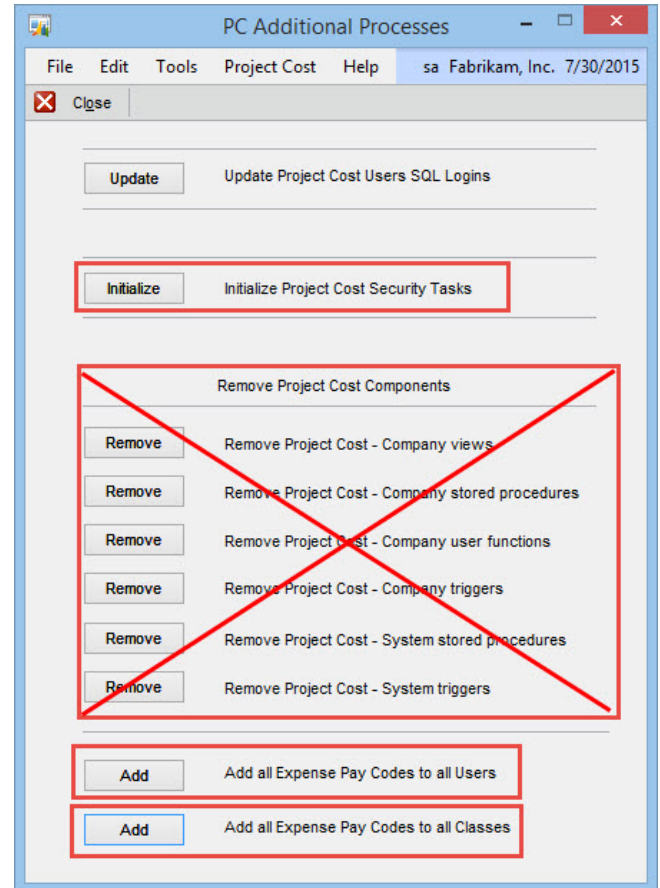
Will receive message indicating that the operation was successful. – **Click OK**

- Click the Add Button (...all Classes)

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.**





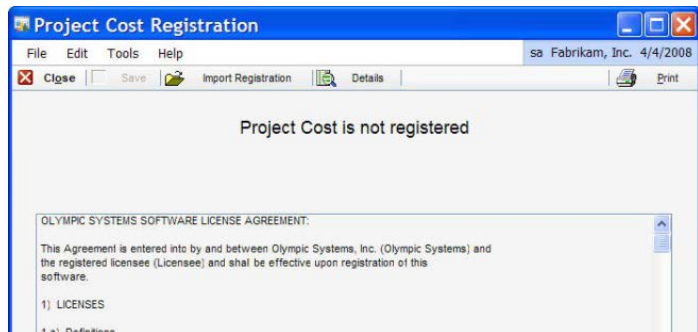
Step 7. – Update registration keys for Project Cost

To register Project Cost, re-launch Microsoft Dynamics GP and navigate to:

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

Open the Project Cost Registration window.

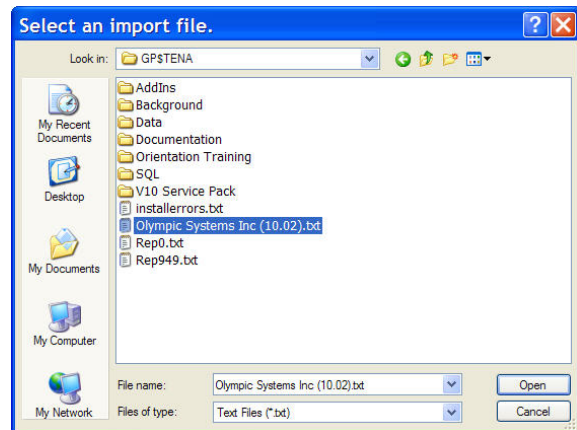
Click on the Import Registration button.



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

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

Click the Open button.



Please note the "Registration is valid" message.

If the "Registration is not Valid" is message is displayed please see [TK00086](#) for additional instructions.

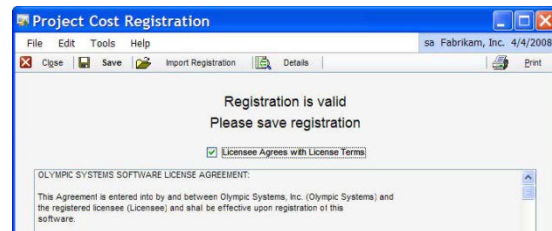
After reading the agreement

Click on the Check Box:

"Licensee Agrees with License Terms"

Click the Save button.

Close this window.



**Note Step 8 & 9 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 8. – 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. The 'Next Transaction Number' is 193. The 'Default Distributions From' is set to 'PC System Setup'. The 'Allow Distribution Edit' checkbox is checked. The 'Default Labor Rates Display To' is set to 'Employee'. The 'Labor Rate Options' is set to 'PC Standard Cost'. The 'Use PC Cost Rates as UPR Pay Rates' checkbox is unchecked. The 'Post Standard Labor Costs To GL' checkbox is checked. The 'Enable Overhead Processing' checkbox is checked. The 'Approval Before Expense Processing', 'Approval Before Timesheet Processing', and 'Approval Before SOP Invoice Creation' checkboxes are all checked. The 'Use Price Levels for Item Pricing' checkbox is checked. The 'Default Price Level' is set to 'RETAIL'. The 'Default Markup Percent' is 20.00%. The 'Enable Project & Organizational Security' and 'Enable Process Security' checkboxes are both checked and highlighted with a red box.

## Then Close and re-launch Great Plains

Step 9. – 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 Create Stored Procedures from the drop down list on the lower left corner of the SQL Maintenance Window.

- Click the Mark All  Button.
- Click the Create  Button.

- Click the Back  Button.

Close the SQL Maintenance window

The screenshot shows the 'SQL Maintenance' window. The 'Stored Procedure' list is visible, and the 'Create Stored Procedures' button is highlighted with a red box. The 'Mark All' and 'Create' buttons are also visible.

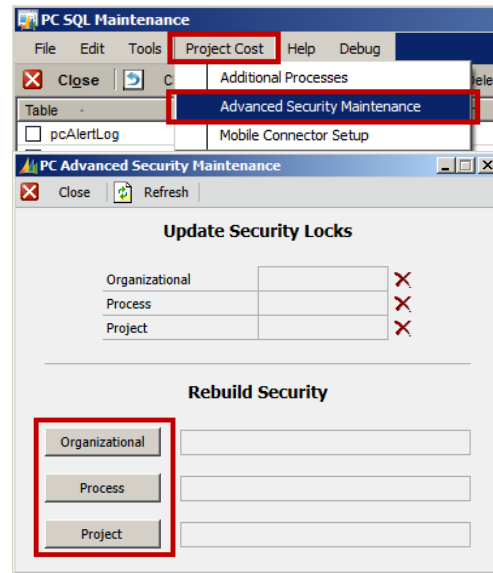


Step 10. – Run the Rebuild Security Process

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

### Next – In the Advanced Security Maintenance Window

- Click the Rebuild Organizational Security button.
- Click the Rebuild Process Security button.
- Click the Rebuild Project Security button.
- Click Close button.



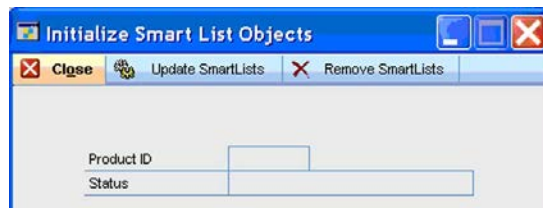
### Close and re-launch Microsoft Dynamics GP

Step 11. – Repeat [Steps 5, 6, 8 9 & 10](#) for each Company 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. - Import any modified reports if needed.

Step 14. – 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**
- **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

*These files are located in the Program Files\GP2015 directory in the download*

- PC141kxx.cnk (xx = minor version number)
- PC1401xx.chm(xx = minor version number)
- Application.ProjectCost.dll
- OlympicSystems.Common.dll
- OlympicSystems.ProjectCost.Dynamics.dll

Step 2. – Copy Files to the AddIns Directory

*This file is located in the Program Files\GP2015\AddIns directory in the download*

- OlympicSystems.ProjectCost.AddIn.dll

Step 3. – Edit the Dynamics.set file located in the client directory if needed

Step 4. – Edit the Dynamics.set file located in the client directory if needed

Reduce the dictionary count by 1  
In this example 5 will be changed to 4

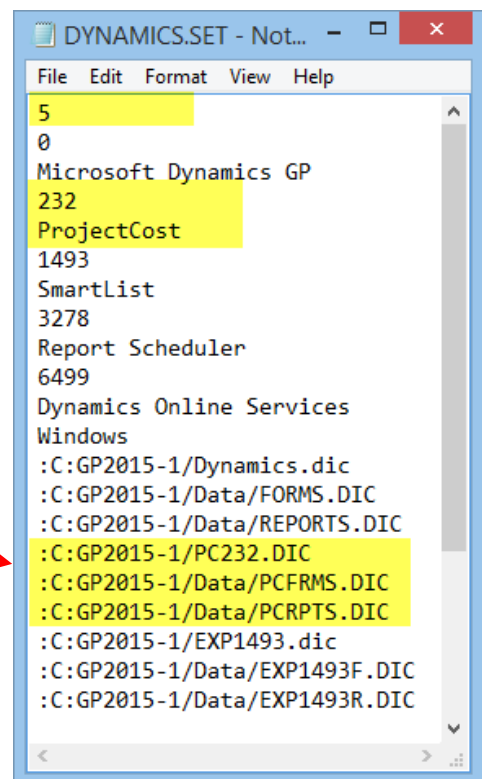
Delete the lines that read  
232  
ProjectCost

Delete the lines ending with:  
PC232.DIC  
PCFRMS.DIC  
PCRPTS.DIC

In this example:

:C:GP2015-1/PC120101.DIC  
:C:GP2015-1/Data/PCFRMS.DIC  
:C:GP2015-1/Data/PCRPTS.DIC

**Save the file**



Step 4. – Launch Microsoft Dynamics GP

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

# Update Project Cost Web Suite Process

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**

## Configuration of Internet Information Services on Windows 7

1. Navigate to the Control Panel.

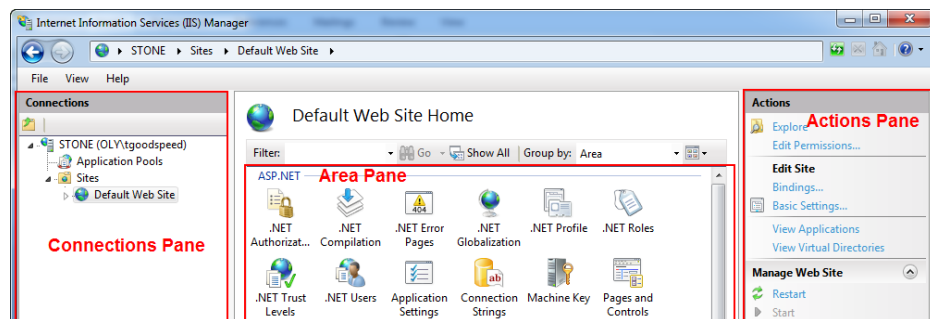
Note: Based on the operating system the commands may be different for this navigation.

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.

- The **Connections Pane** you should see the server's name, Application Pools and Sites.
- The **Area Pane** will list the features that may be configured and will look different based on the item selected in the **Connections Pane**.
- The **Actions Pane** again will look different based on the feature selected in the **Area Pane**.



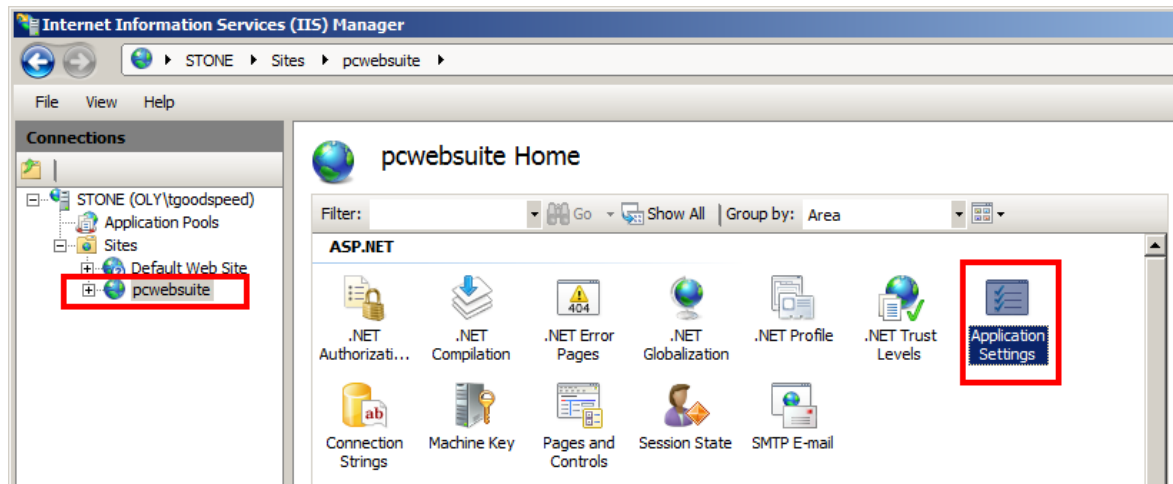
4. In the **Connections Pane** Click on the “►” to expand the **Server** view.

This should review folders for Application Pools and Sites.

## 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 **pcwebsitesuite**.
3. In the **Area Pane** under the **ASP.Net** section Double-Click on **Application Settings**.

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

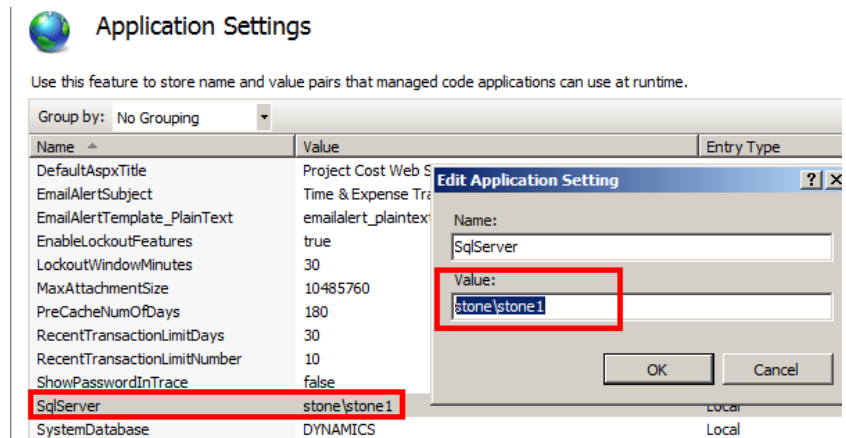


1. In the **Application Setting Pane** Double-Click on **SqlServer** Feature.
2. In the **Edit Application Setting** window

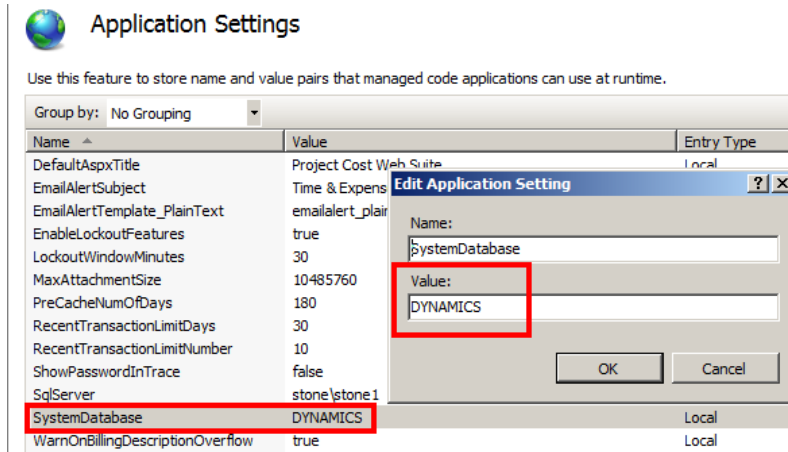
Enter the Name and Instance of your  
Sql Server in the Value field.

In our example the server is named  
Stone and the Sql Instance is named  
Stone1. The Value entered is  
Stone\Stone1

3. Click **OK**

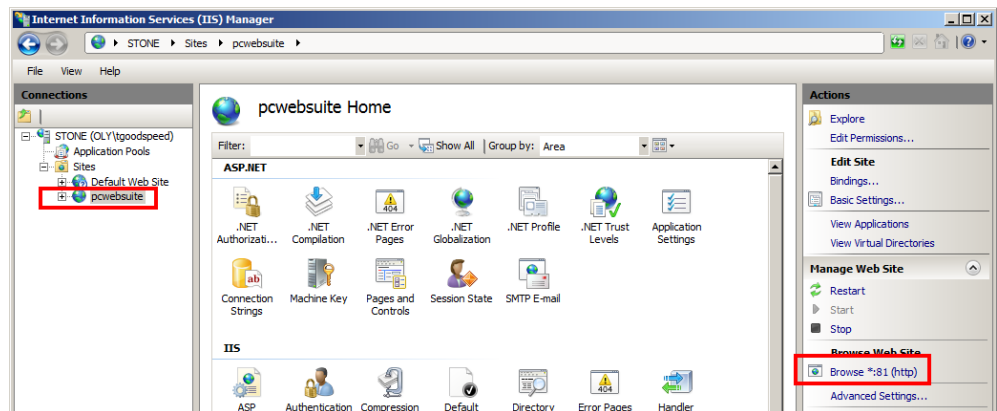


4. In the **Application Setting** Pane Double-Click on **SystemDatabase** Feature.
5. In the Edit Application Setting window  
Enter the Name of the GP system database. This is normally DYNAMICS however in v2013 an option to use a Named System Database was added.
6. Click OK

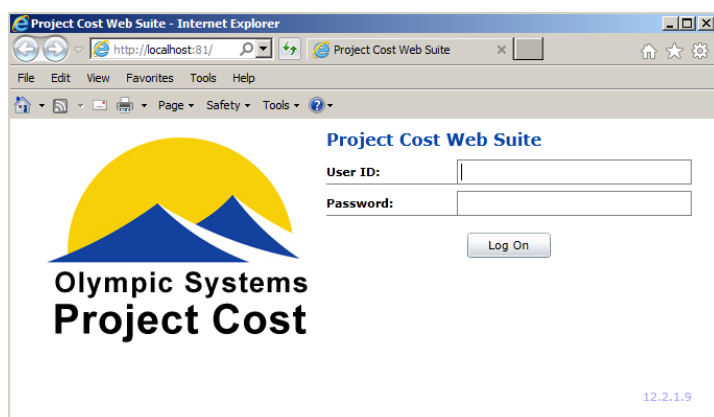


### Test the Web Site

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



4. This should launch the Project Cost web site.



**This completes the update of the Project Cost Web Suite Module**

# Install Project Cost Web Suite Process

Copy Project Cost Web Components to the Inetpub Directory

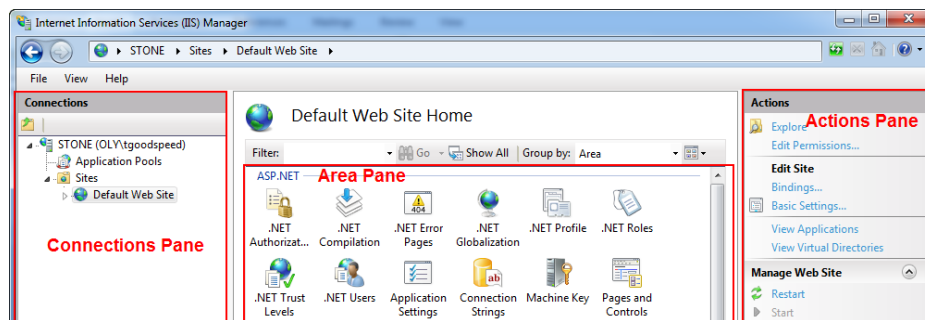
1. These components are held in the folder **pcwebsuite** that was included in the Download.
2. Use Windows Explorer to copy the **pcwebsuite** directory to your **Inetpub**  
In this instruction we located this folder at **C:\OlyPC1401.01\pcwebsuite**

## Configuration of Internet Information Services on Windows 7

5. 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**.

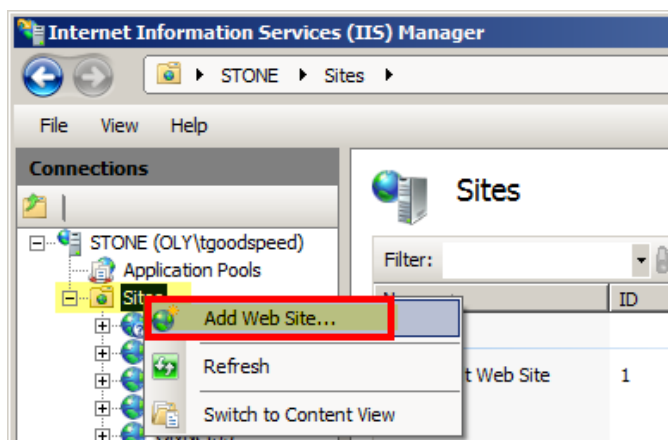
6. Double click “Internet Information Services (IIS) Manager”.
7. In the Internet Information Services window is divided into 3 primary areas or panes.
  - a. The **Connections Pane** you should see the server's name, Application Pools and Sites.
  - b. The **Area Pane** will list the features that may 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**.



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

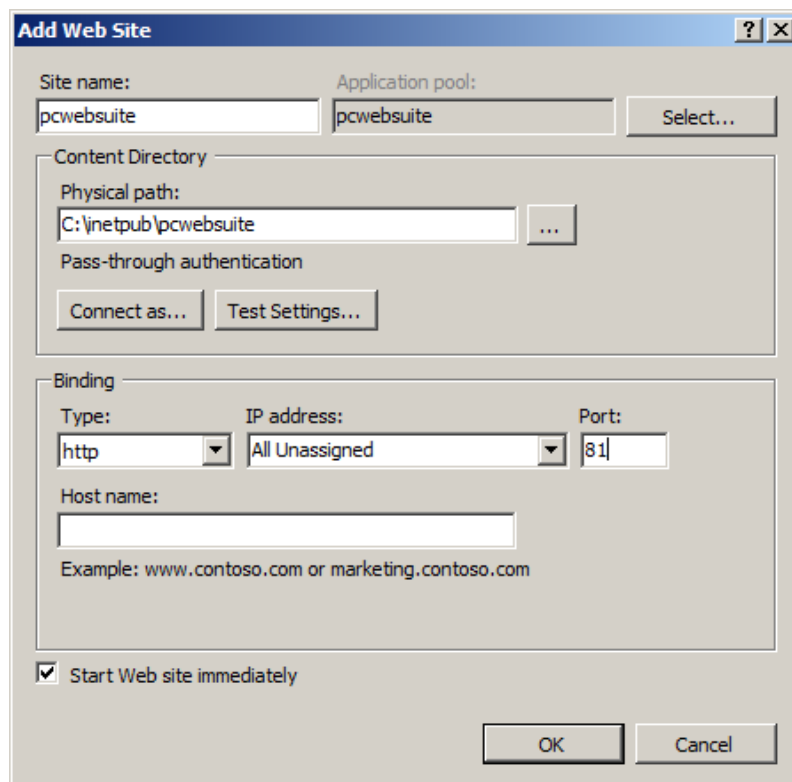
## Create New Web Site

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



In the **Add Web Site** window.

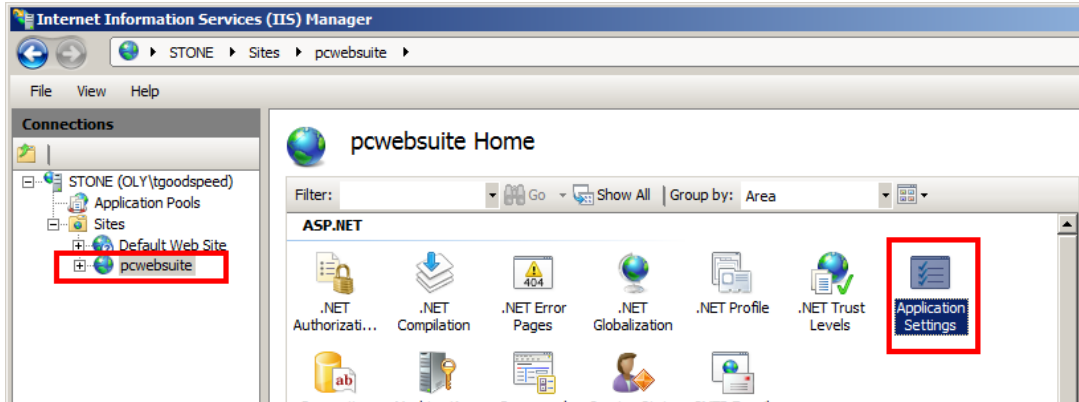
3. Enter the Site Name: in our example we use pcwebsuite.
4. Enter the Physical path:  
In our example we use c:\inetpub\pcwebsuite
5. Enter the port number in the Binding area.  
We use 81 to avoid common conflicts with other IIS tools.
6. Click OK



## 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 **ASP.NET** section Double-Click on **Application Settings**.

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

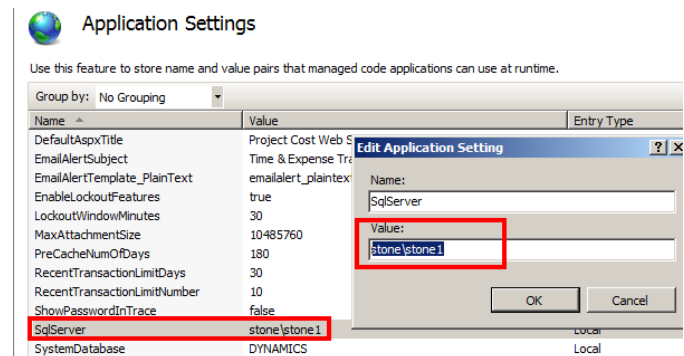


4. In the **Application Setting** Pane  
Double-Click on **SqlServer** Feature.
5. In the **Edit Application Setting** window

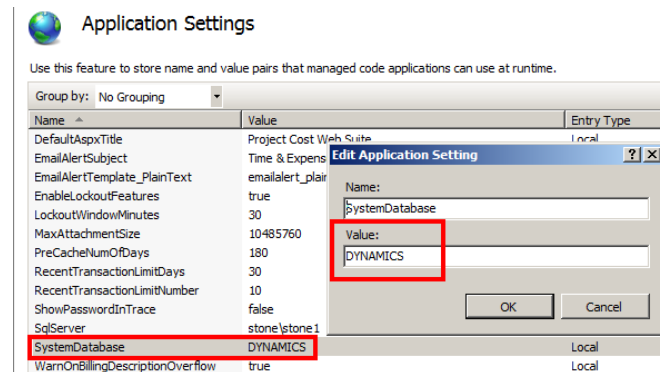
Enter the Name and Instance of your Sql Server in the Value field.

In our example the server is named Stone and the Sql Instance is named Stone1. The Value entered is Stone\Stone1

6. Click **OK**



7. In the **Application Setting** Pane  
Double-Click on **SystemDatabase** Feature.
  8. 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.
9. Click **OK**





Other Application Settings of Interest:

**DefaultAspxTitle:**

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

**DisableExpense:**

By default this is set to "false" – setting it to true 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 Pay Group Setup window by selecting "No T&E Exp Access" as the Expense Process Option.

**DisableTime:**

By default this is set to "false" – setting it to true will disable the Time Tab for all users.

**EmailAlertSubject:**

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

**LockoutFeaturesEnabled:**

By default this set to "true"

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 LockoutWindowMinutes limit.

IT Managers can clear the lockout by resetting IIS.

**LockoutWindowMinutes:**

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.

**RecentTransactionLimitDays:**

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

**RecentTransactionLimitNumber:**

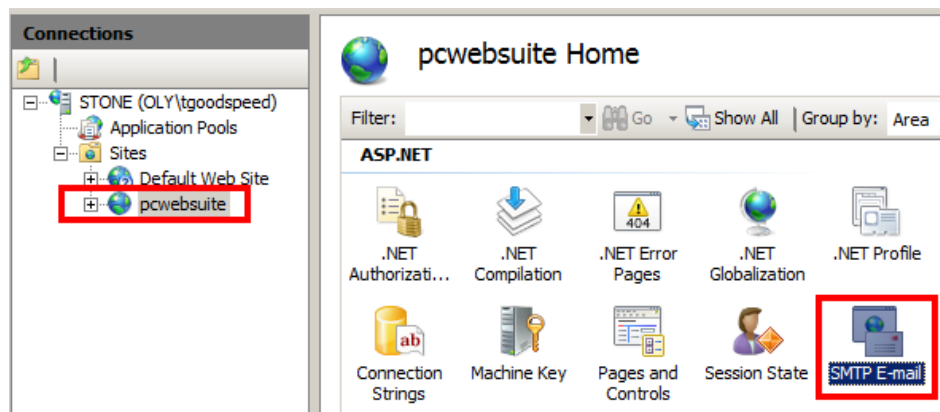
By default this is set to 10 transactions. The application will recall the first 10 transactions from week to week.

**StandardSalesOrderComments:**

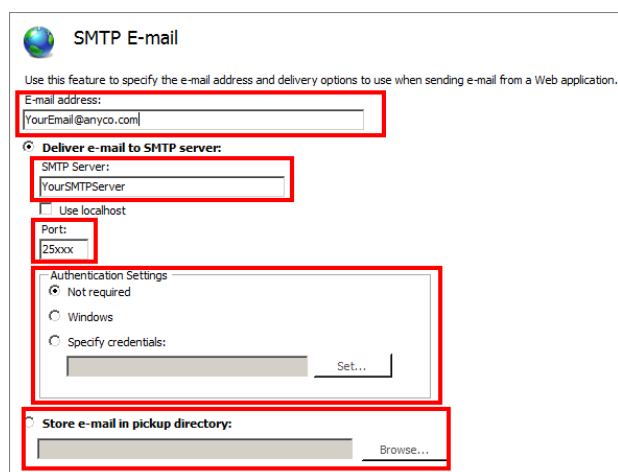
By default this is set to true. This will truncate any billing description to 200 characters.

## 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**.



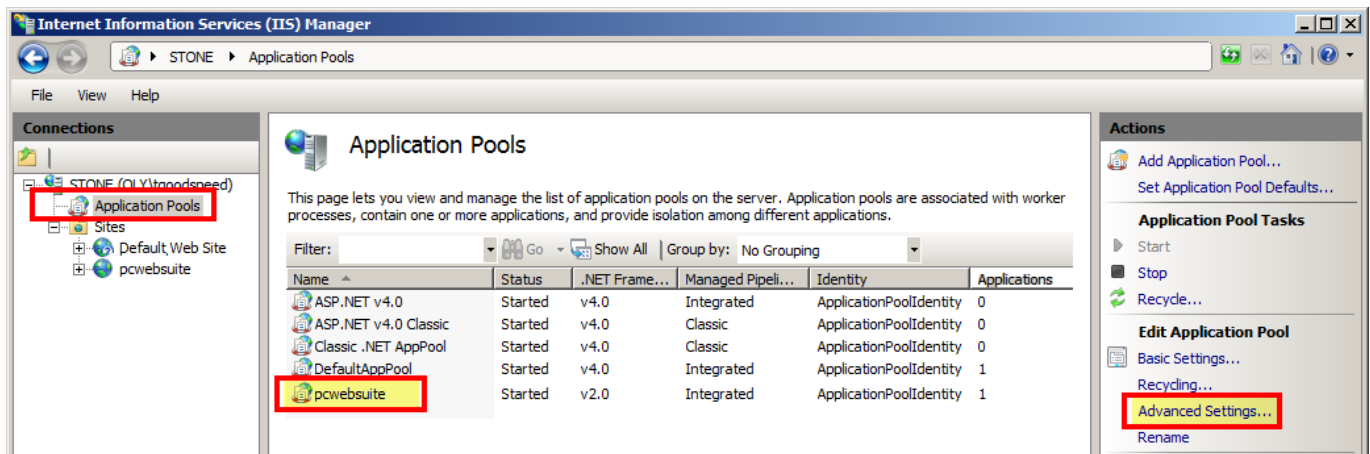
4. In the **SMTP E-Mail** Pane  
Enter an Email Address for sending Email notices  
Enter the SMTP Server  
Enter Port address  
Enter Authentication Settings



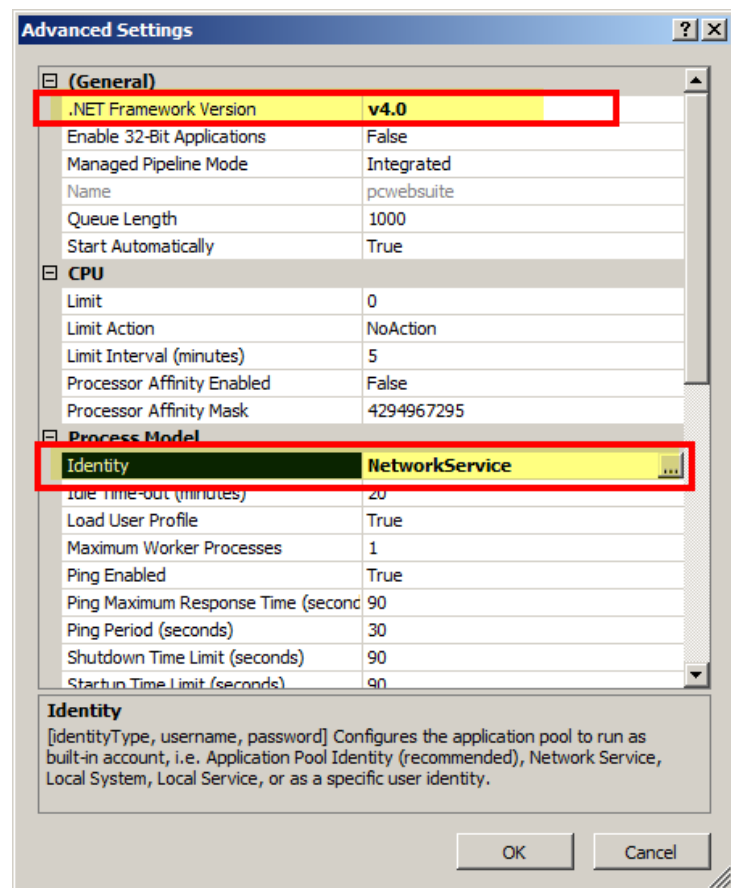
**Note: SMTP connection settings will vary from installation to installation.**  
**Consult with the organizations IT staff for the optimal settings.**

## 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.

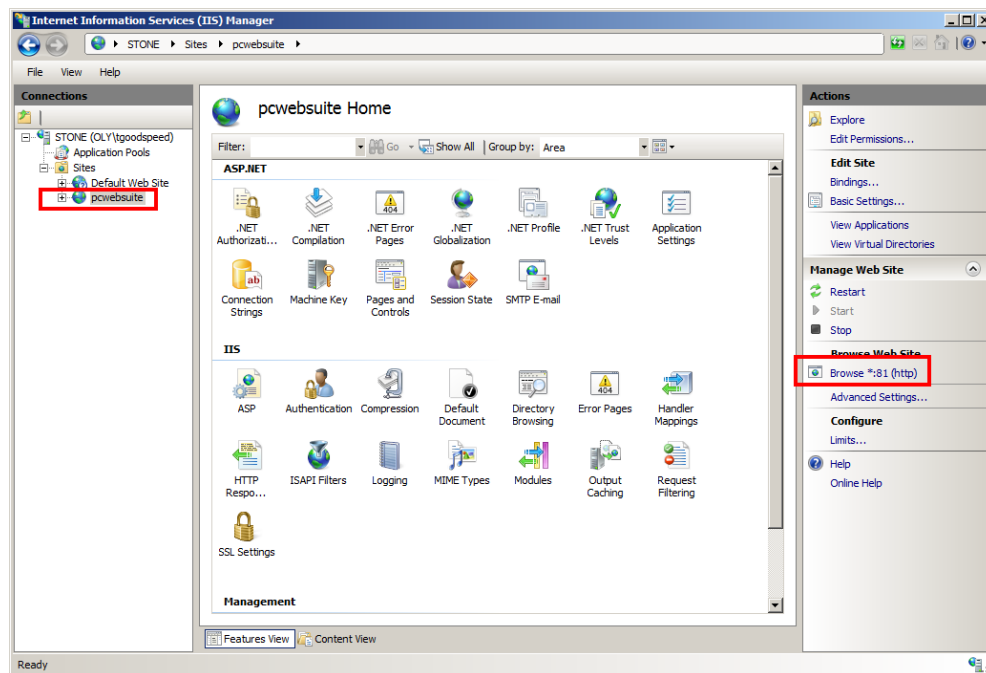


4. Set the **.Net Framework Version** to **v4.0**
5. Set the **Process Model - Identity** to **NetworkService**.
6. Click **OK**.

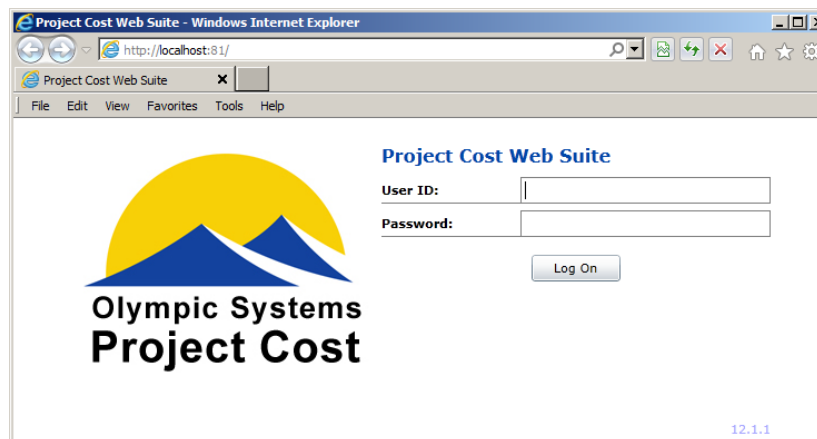


## Test the Web Site

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



8. This should launch the OlyNet web site.



**This completes the update of the Project Cost Web Suite 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

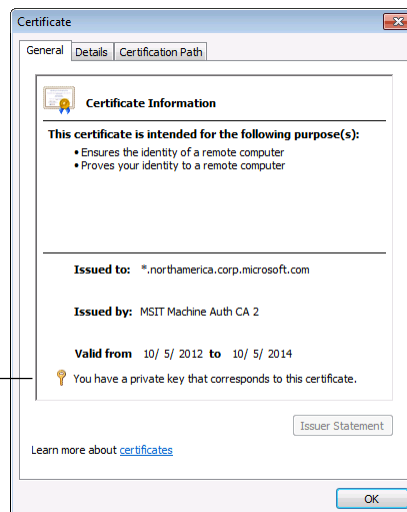
To be used for the Project Cost Web Suite, the security certificate must have “Server Authentication” listed as one of its intended purpose. You can use the Certificates snap-in for the Microsoft Management Console to view the Intended Purpose column for the certificate.

## 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.

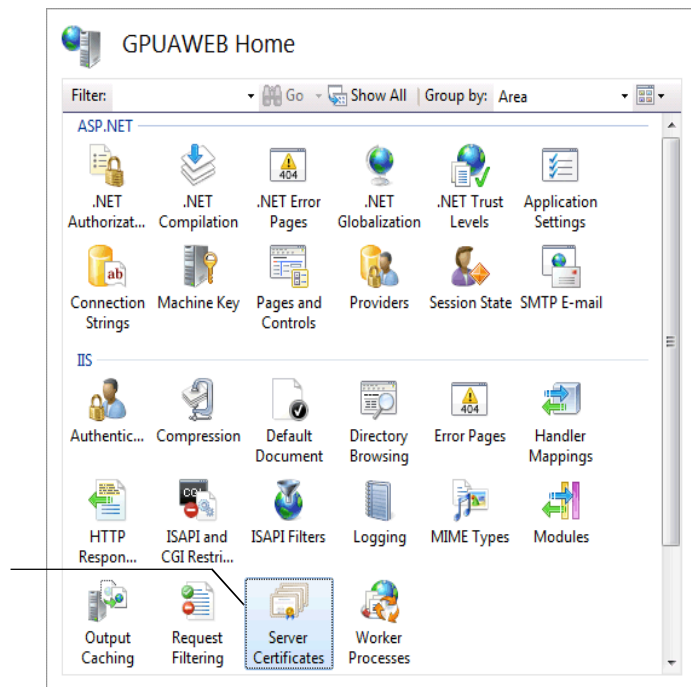
## Using an Externally Signed Security Certificates

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.

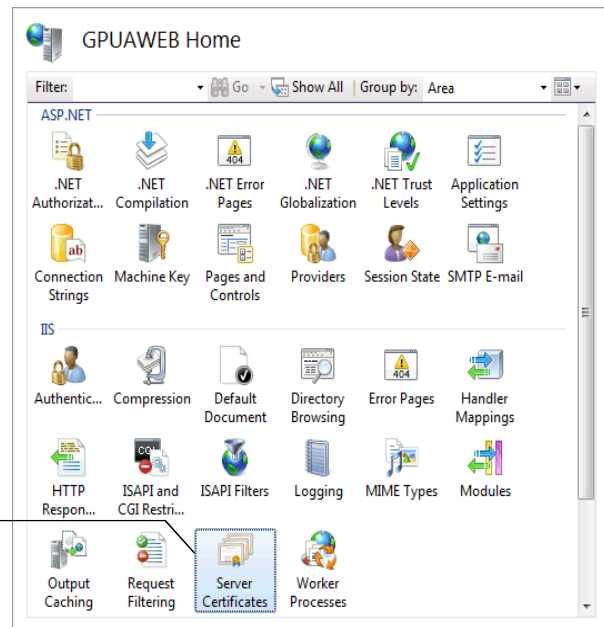
When you use a self-signed security certificate, there is no external authority to handle the certificate validation when users connect to the web client site. Because of this, a certificate error will be displayed when users access the Project Cost Web Suite site. To prevent the certificate error, users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

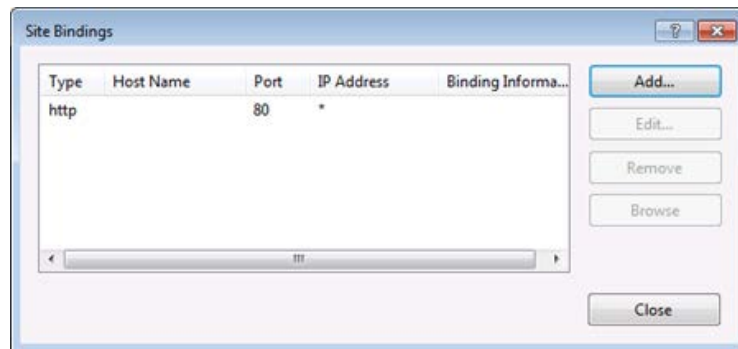


## Configuring the Web Site to use SSL

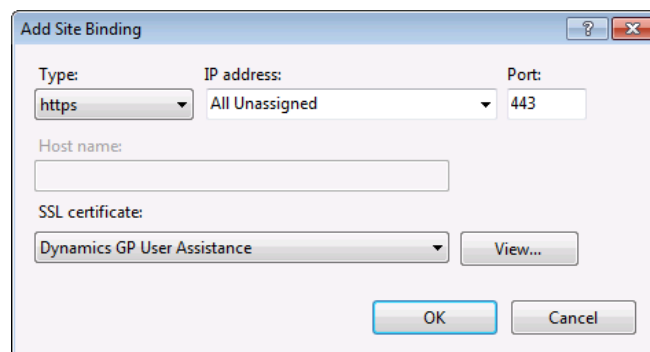
The web site used for the Project Cost Web Suite must be configured to use SSL. Before configuring the web site, be sure that you have imported an externally signed security certificate or have created a self-signed security certificate.

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.



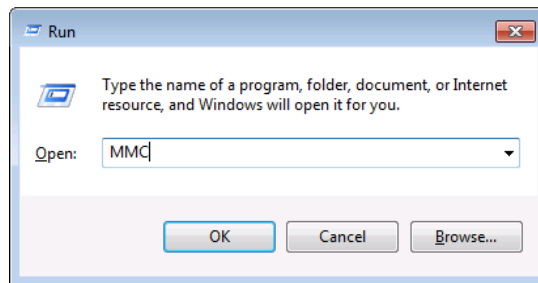
6. Click OK.
7. Click Close.

## Installing a Security Certificate on a Server

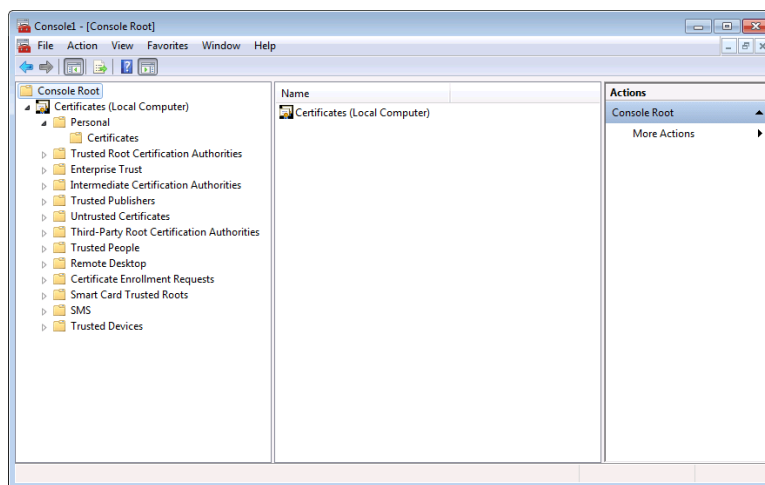
If you are setting up the scale out configuration for the Project Cost Web Suite, the session host machines must have a security certificate that can be used when configuring the runtime session. If you are using an externally signed security certificate, you will need to install the security certificate 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.



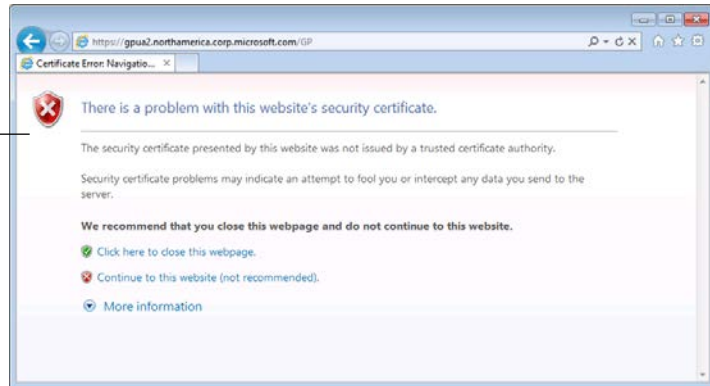
9. Under Personal, right-click the Certificates node, point to All Tasks, and then click Import.
10. In the Certificate Import Wizard welcome screen, click Next.
11. In the File to Import screen, click Browse.

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.

# 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.

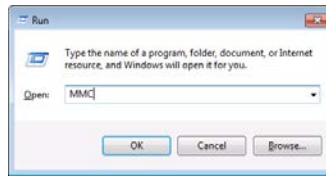
4. In the Drop-Down, Click **View Certificates**.
5. In the Certificate window, Click **Details** tab.
6. Click **Copy to File** to open the Certificate Export Wizard. Click **Next**.
7. Select the **DER encoded binary X.509** format, and Click **Next**.



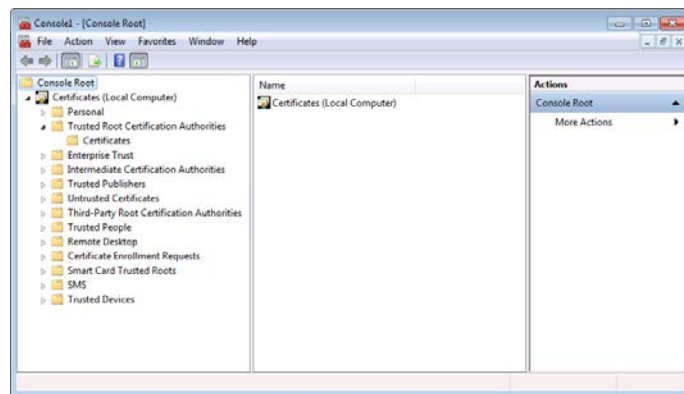
8. Click Browse to open a file dialog box that allows you to name the certificate file and select a location to store the file. Click Save.
9. In the Certificate Export Wizard, Click **Next**. Then click **Finish**. A message will be displayed indicating that the security certificate was exported.
10.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

# 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**

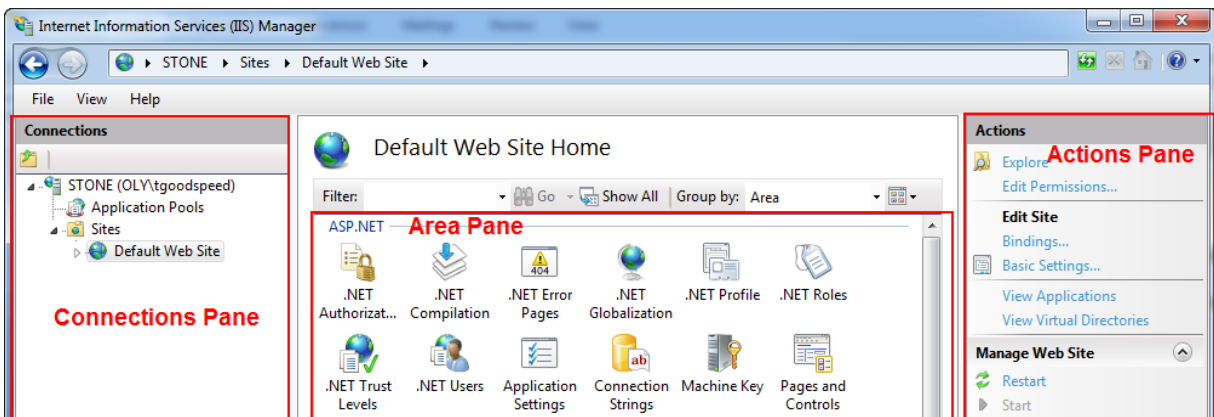
Configuration of Internet Information Services on Windows 7

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**.

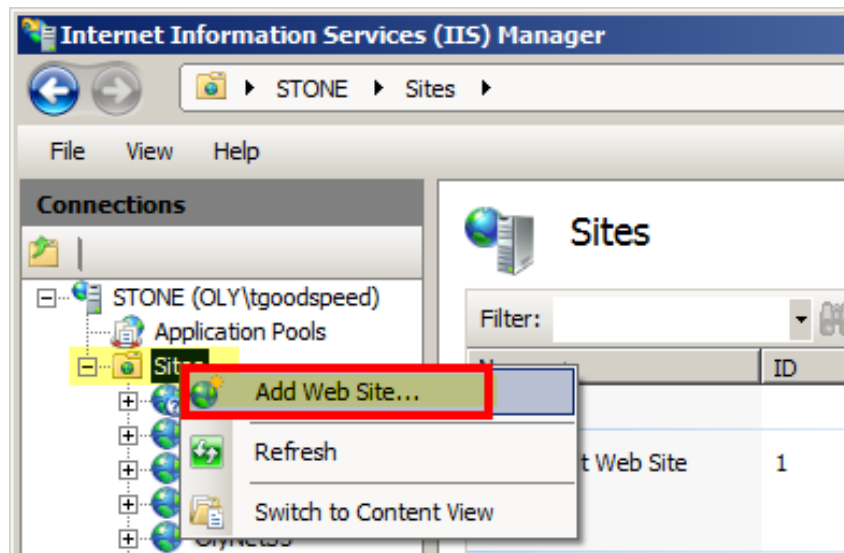


4. In the **Connections Pane** Click on the “►” to expand the **Server** view.  
This should expose folders for Application Pools and Sites.

## Create New MobileConnector Web Site

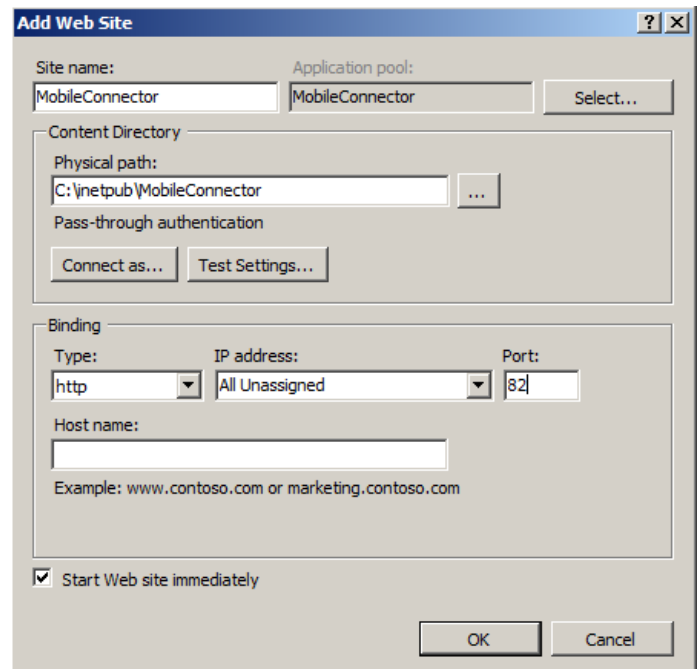
### In the Connections Pane

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

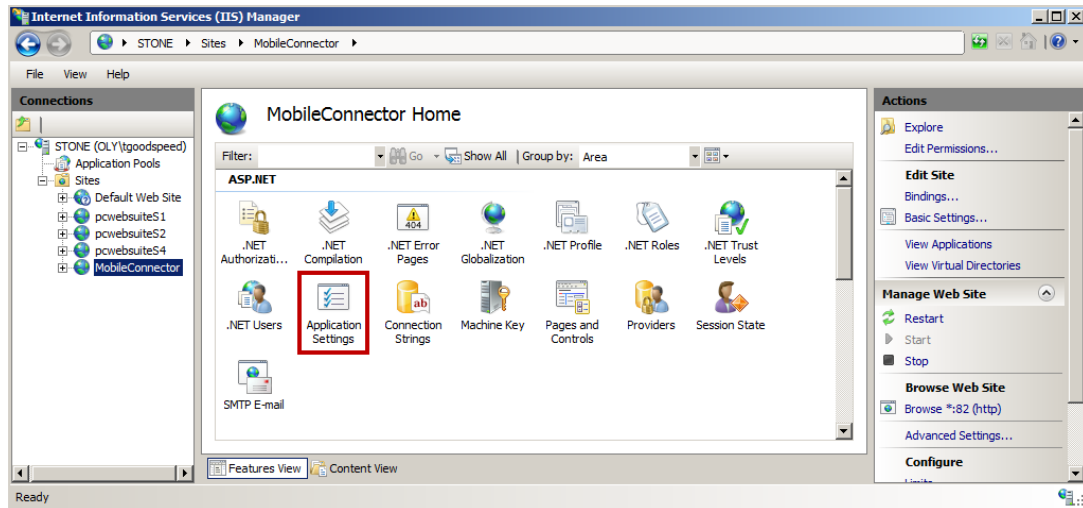


## Configure MobileConnector Web Site Settings

### In the Connections Pane

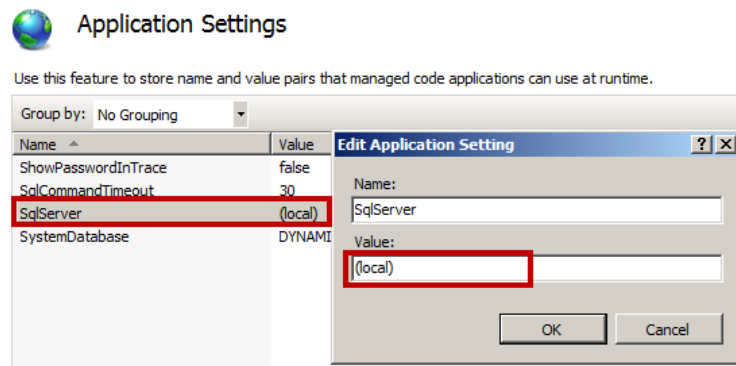
1. Click on the “►” to expand the **Site** view.
2. Click on the Site - in our example **MobileConnector**.
3. In the **Area Pane** under the **ASP.NET** section Double-Click on **Application Settings** icon.

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

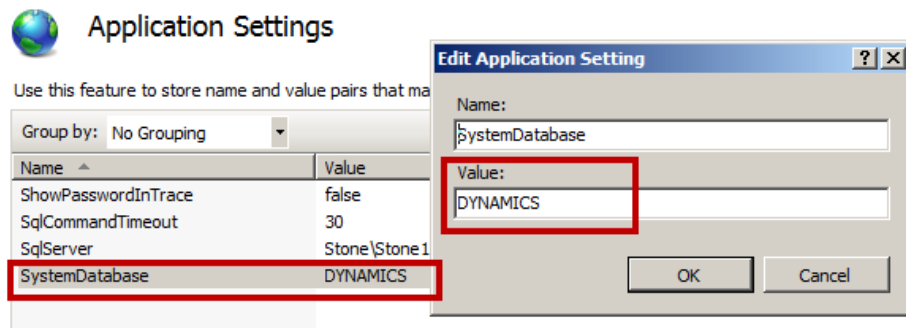


3. Enter the Name and Instance of your Sql Server in the Value field.
4. Click **OK**



## 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**

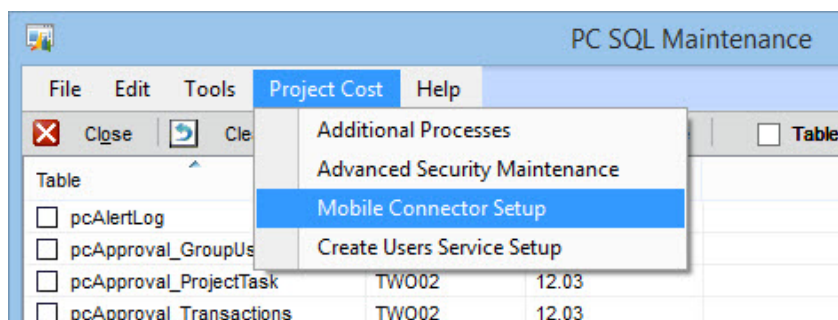
# Project Cost Mobile Connector Security Setup

Navigate to Project Cost SQL Maintenance Window

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

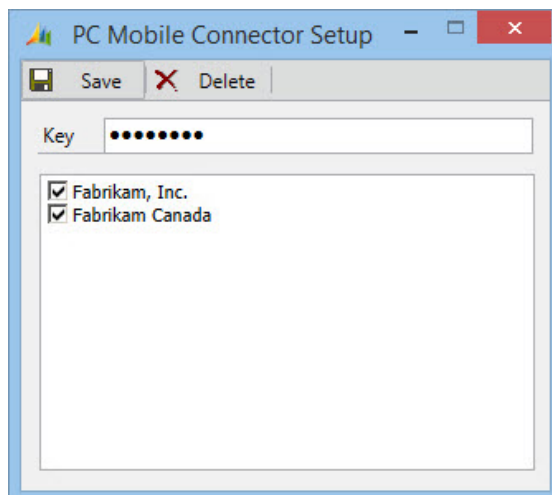
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- On the PC SQL Maintenance window Select Project Cost option.
- Select Mobile Connector Setup option



In the PC Mobile Connector Setup Window

- Enter the SQL Login name to be used by MoveOn Software:
- Enter the Password:
- Click the Check Box next to the Company database name.
- 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 should use the following scheme format:

Without SSL

<http://SubDomain.Domain.TLD:89/ProjectCostService.svc>

With SSL

<https://SubDomain.Domain.TLD.443/ProjectCostService.svc>

### Terms:

**Sub Domain** – refers to an additional prefix added to a domain name and separated by a period.

**Domain** – refers to a name used in URL's to identify particular web page.

**Top Level Domain (TLD)** – is a suffix that points to the Top Level Domain a web site belongs to.

**External Port Number** – is the connection port designated in the web site bindings.


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

Additionally, you must specify the Project Cost Employee UserID 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 Employee UserID you provided in step 1), and the 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 the URL, and account credentials needed to test it.

### MS Exchange Configuration

☒ Is Active

Server Url

Save

### Test configuration

Test Username

Test Password


Test Domain


Test

[Back to organization settings](#)

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

## Mobile Connector - Organization Admin Configure User Access

  
Hyper-fast timesheet entry for Dynamics GP

 Olympic ▾

### Edit Users

[Back to organization settings](#)

Number of users 10/25

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

[Back to organization settings](#)

7. 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.

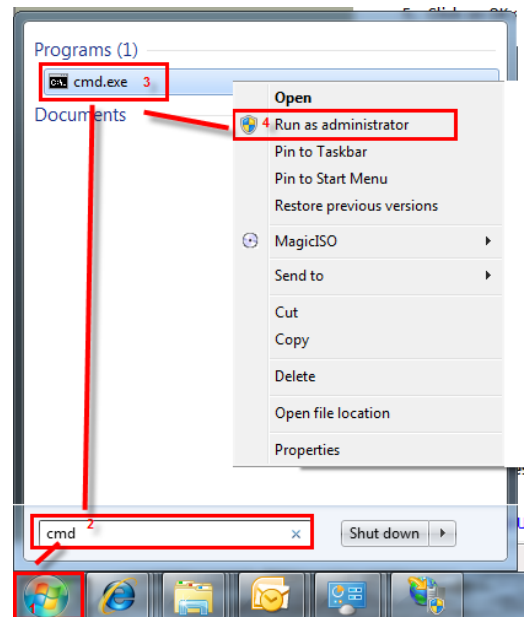
**Document ID:** TK 00082  
**Date Created:** August 6, 2010  
**Product:** All Projects

**Versions:** v10.05.01 or later on Vista or Windows 7  
**Module/Process:** Time & Expense Entry

Issue: ASP.Net section missing from IIS Manager View.

## Resolution:

1. Click on Vista/Windows 7 Start button.
2. In the Search programs box, type in "Cmd" (without quotes).
3. Right click on the **cmd.exe** in the search result listing.
4. In the right click menu, click on "Run as Administrator" menu item.



5. At the command prompt, type the following, and then press ENTER:

For 32 bit Operating System:

"C:\Windows\Microsoft.NET\Framework\v4.0.30319\aspnet\_regiis.exe" -i

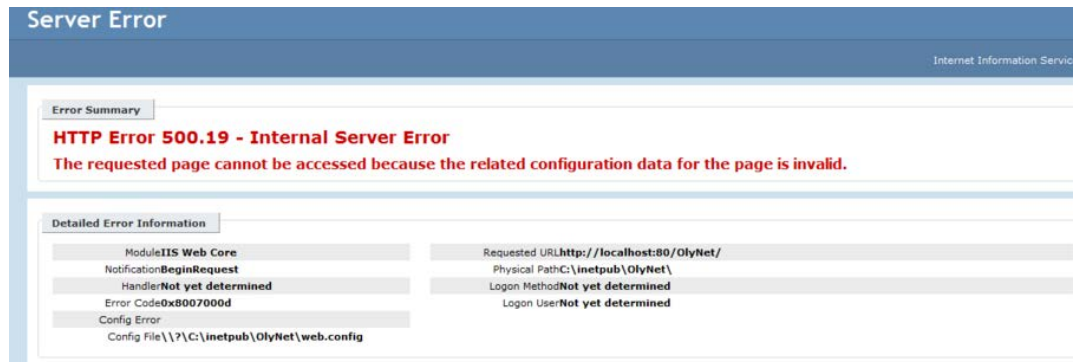
For 64 bit Operating System:

"C:\Windows\Microsoft.NET\Framework64\v4.0.30319\aspnet\_regiis.exe" -i

Document ID: TK 00081  
Date Created: June 11 2010  
Product: All Projects

Versions: v10.04.01 or later on Windows 2008 and IIS 7.0  
Module/Process: Time & Expense Entry

Issue: Received HTTP Error 500.19 ...Internal Server Error



#### Resolution:

It was discovered that TCP/IP were not set for the SQL SERVER

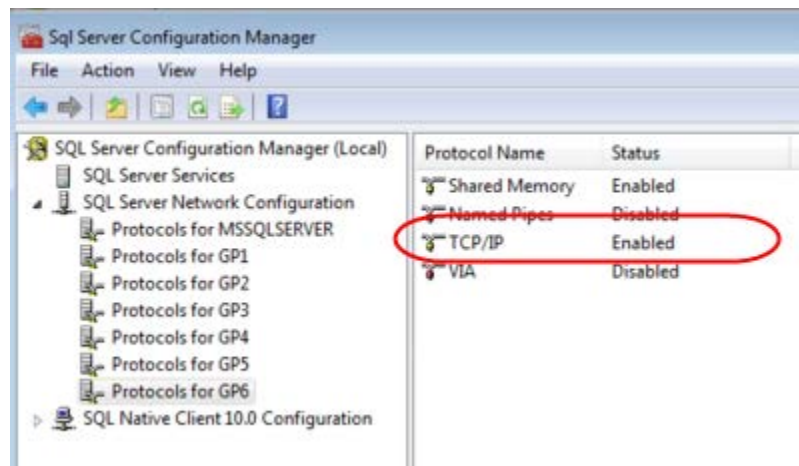
Programs > Microsoft SQL Server 2008 > Configuration Tools

Select SQL Server Network Configuration

Select the Protocols for the specific server.

Right Click on TCP/IP Protocol Name

Select Enabled

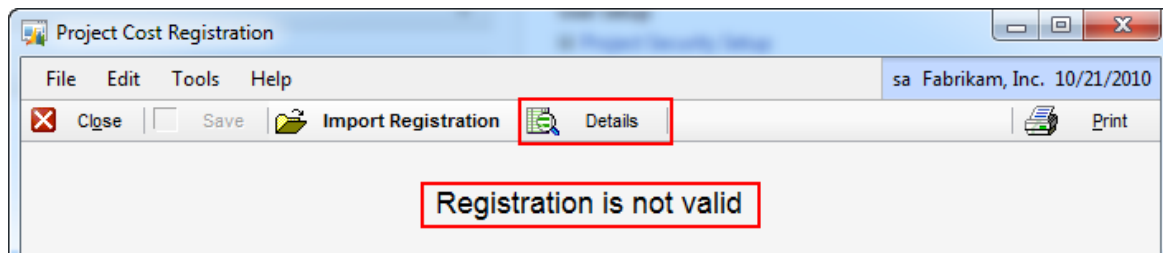





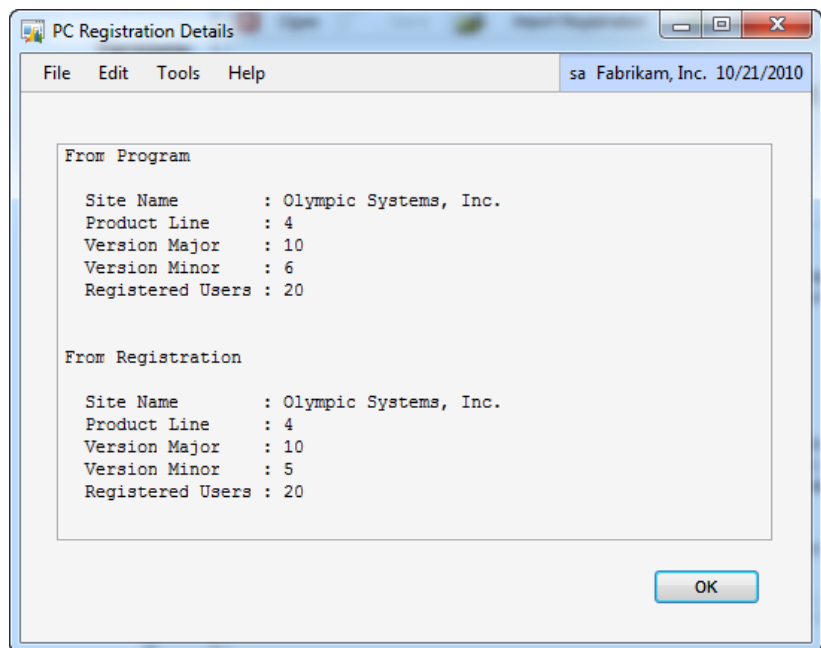
**Document ID:** TK 00086  
**Date Created:** October 21, 2010  
**Product:** All Projects

**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.

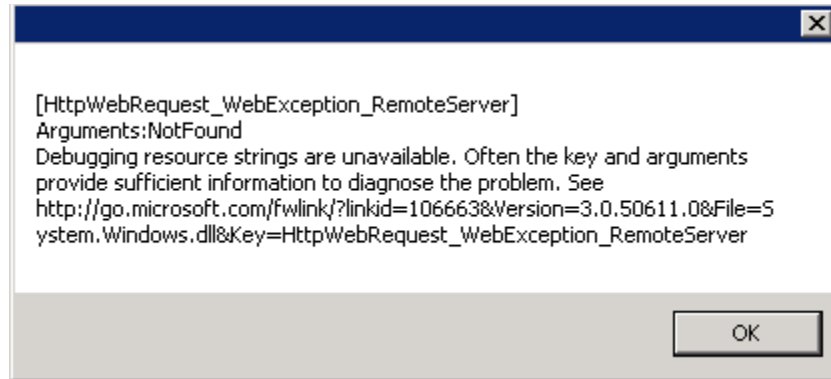


Send a screen shot of this window to to: [support@projectcost.net](mailto:support@projectcost.net)  
Call Olympic Systems for assistance at 206-547-5777 ext 119

Document ID: TK 00088  
Date Created: February 17, 2011  
Product: All Projects

Versions: v10.06.01 and 12.01.01 or later  
Module/Process: T&E Approvals Logon Window

Issue: [HttpRequest\_WebException\_RemoteServer]Arguments:NotFound

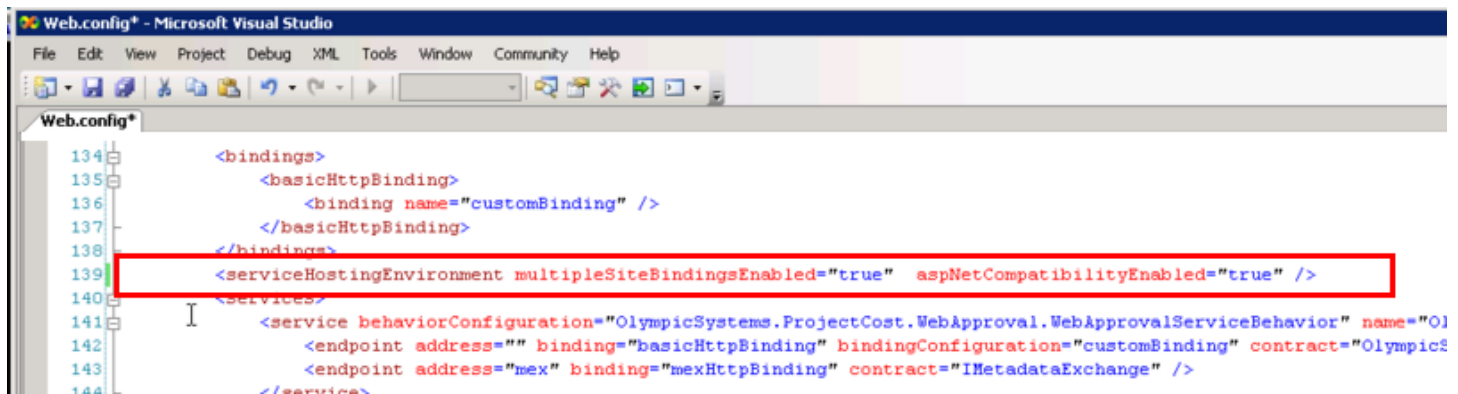


Server Error in '/' Application.

*This collection already contains an address with scheme http. There can be at most one address per scheme in this collection. If your service is being hosted in IIS you can fix the problem by setting 'system.serviceModel/serviceHostingEnvironment/multipleSiteBindingsEnabled' to true or specifying 'system.serviceModel/serviceHostingEnvironment/baseAddressPrefixFilters'.  
Parameter name: item*

Resolution: Add multipleSiteBindingEnabled="true" to the <serviceHostingEnvironment

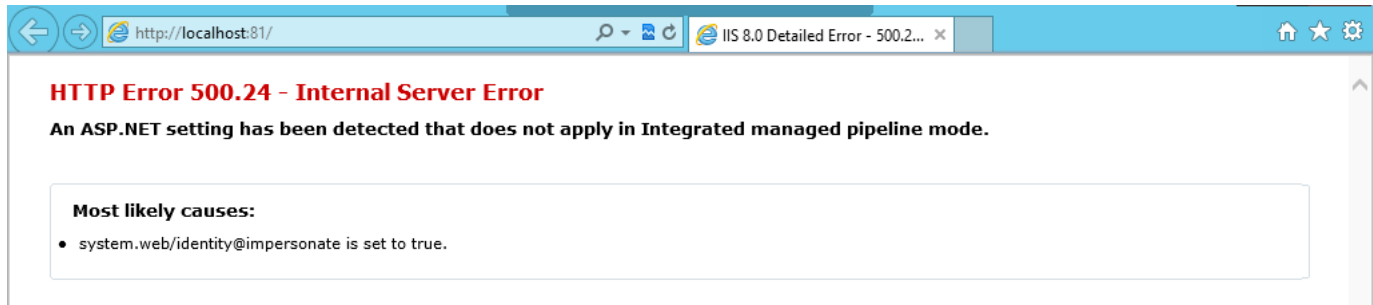
Then restart IIS server.



Document ID: TK 00114  
Date Created: June 27, 2013  
Product: All Projects

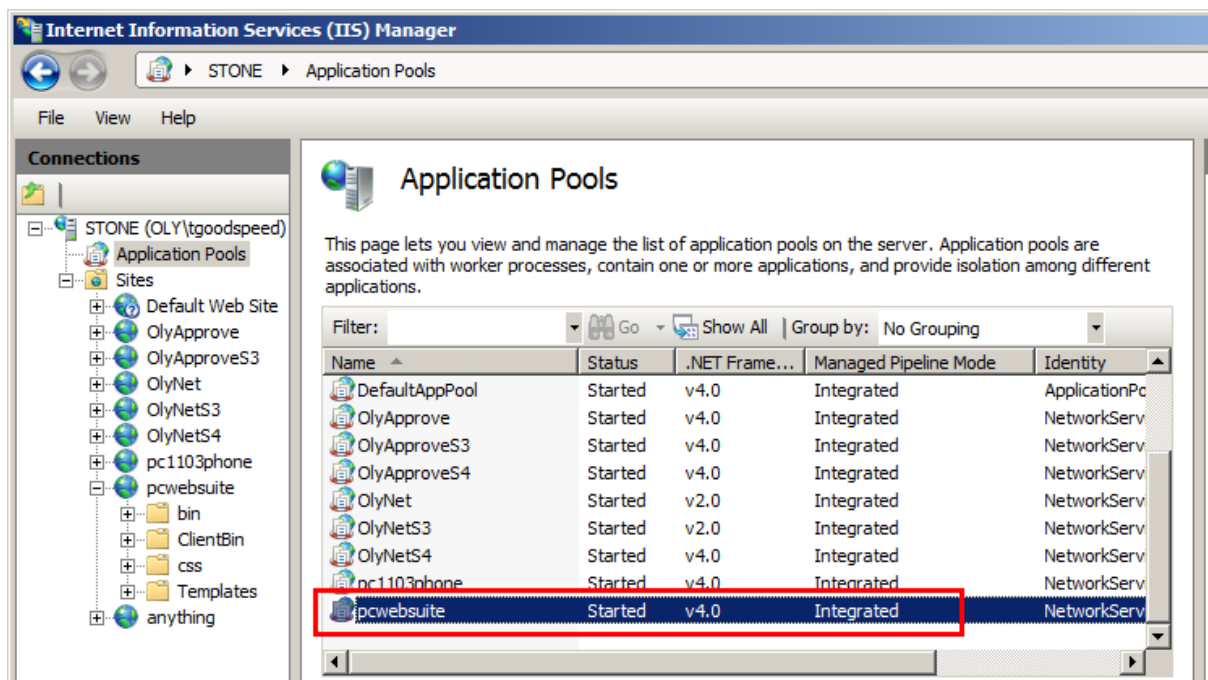
Versions: v11.03.01 or later  
Module/Process: IIS Configuration - Time & Expense Entry

Issue: Received HTTP Error 500.24 when launching pcwebsuite

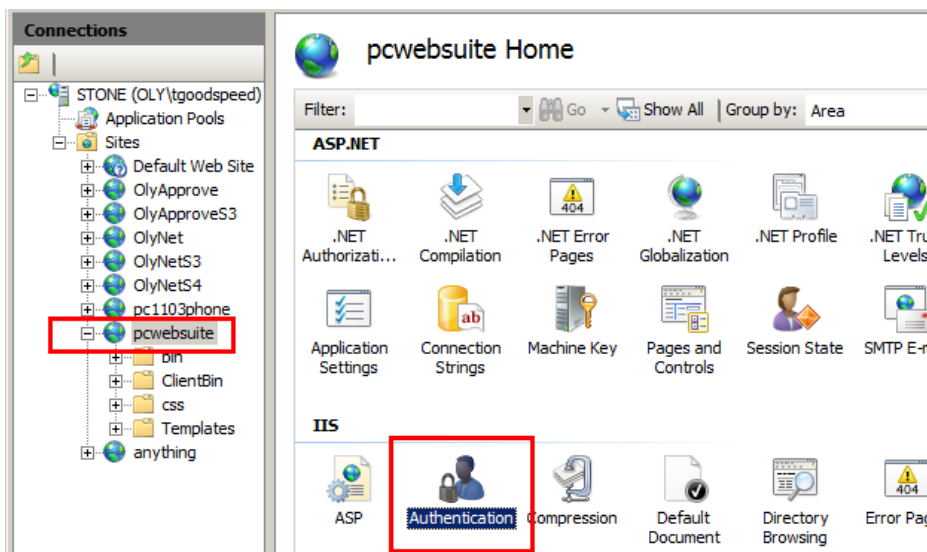


### Resolution:

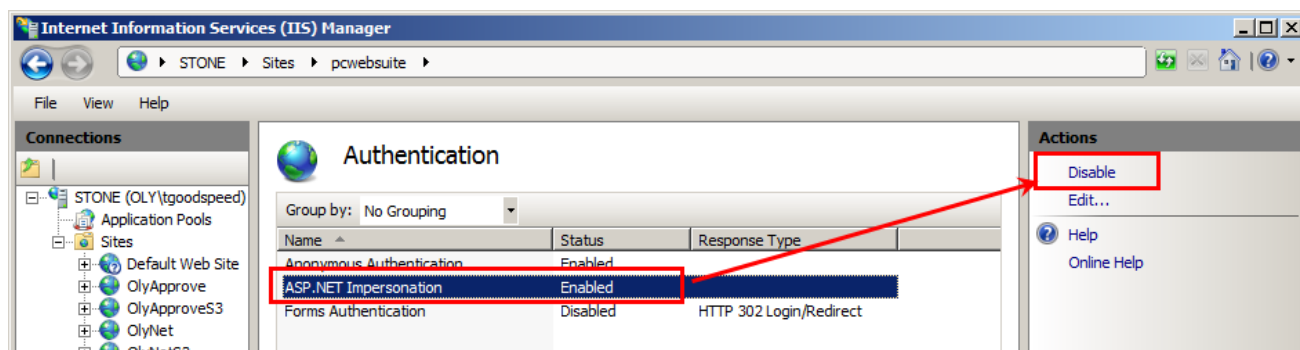
You should use integrated as your Managed Pipeline Mode on your Application pool.



Next you want to select the web site (pcwebsitesuite) and double-click on Authentication under the IIS section

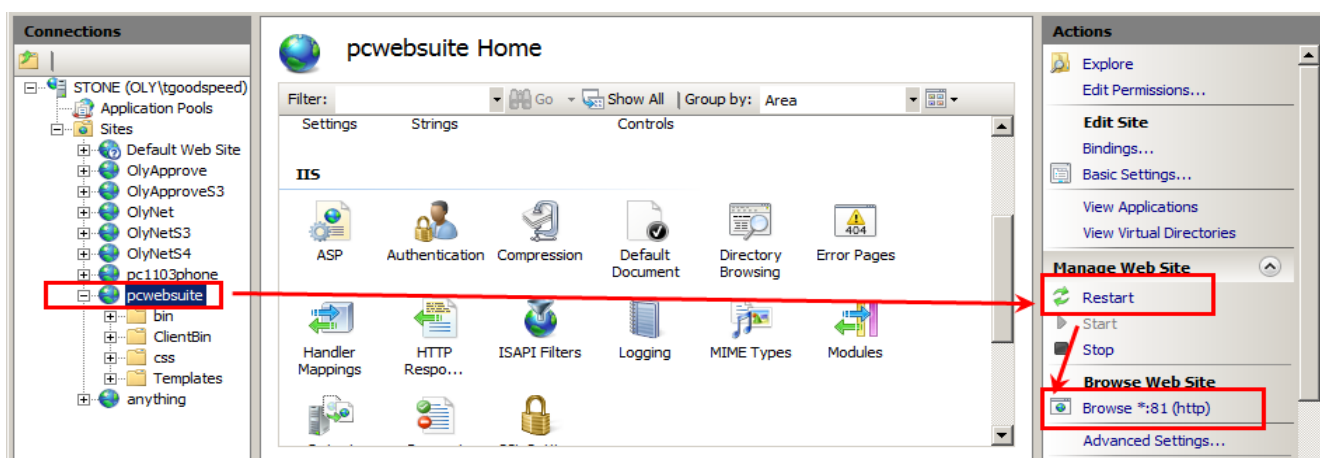


Now select the ASP.NET Impersonation group and click the Disable button in the Actions pane.



Now select the site again on the Connections pane

Click the Restart button and then browse the site to test your results

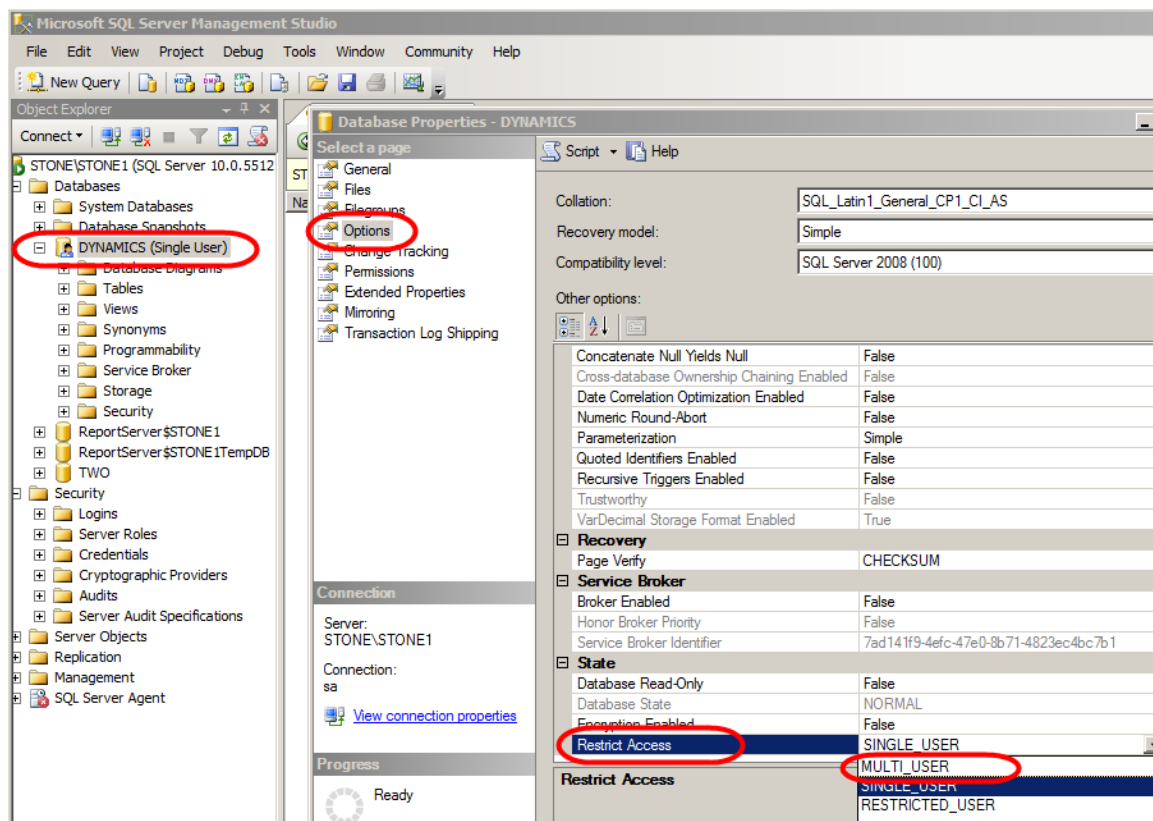


**Document ID:** TK 00112  
**Date Created:** May 6, 2013  
**Product:** All Projects

**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

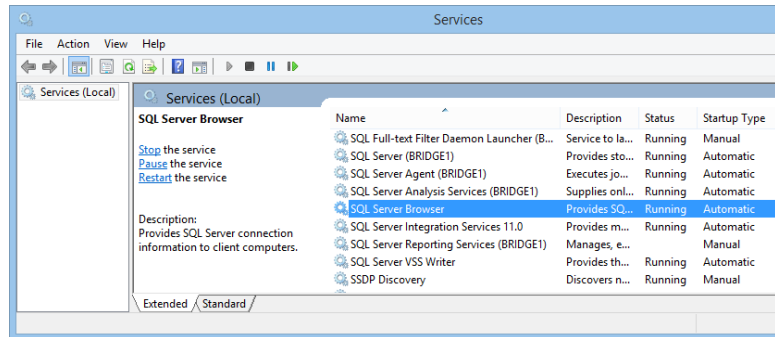
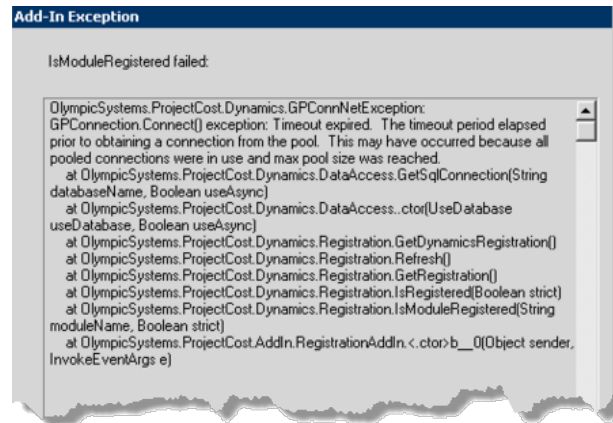
Issue: Project Cost AddIn Failed to Load  
– **Add-In Exception in Terminal Server Environment**

**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.

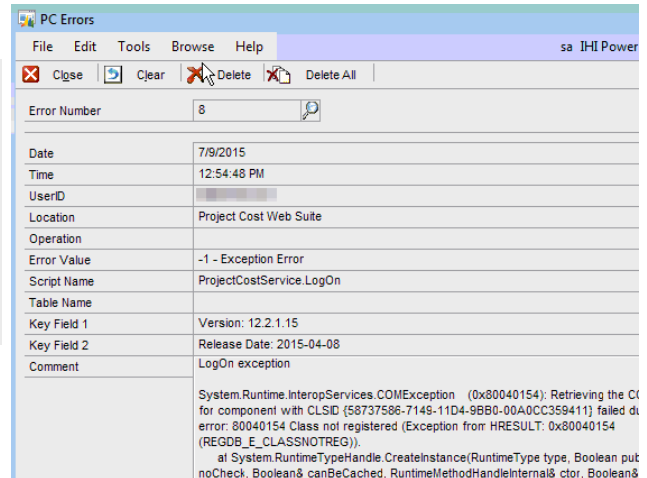
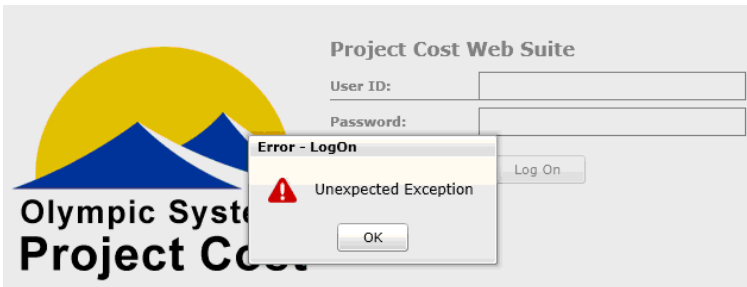
**Resolution:**

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

Document ID: TK 00128  
Date Created: July 9, 2015  
Product: All Projects

Versions: 12.01.01 or later  
Module/Process: Time & Expense Web Approvals

Issue: Received Error – LogOn Unexpected Exception



PC Errors – Logon Exception – System Runtime Interop Services...

Explanation of Problem: This is caused by the Dexterity Shared Components not being installed on the IIS Server.

Dexterity Shared Components are available on the GP Install Disk.

# Hardware/Software Operational Environment Requirements v14.01

Item	SQL Server	Web Server	GP Client	Web Client
Operating System  32 or 64 bit	Microsoft Windows Server 2012 Datacenter Edition Microsoft Windows Server 2012 R2 Datacenter Edition  Microsoft Windows Server 2012 Essentials or Standard Edition Microsoft Windows Server 2012 R2 Essentials or Standard Edition  Microsoft Windows Server 2008 R2 Enterprise Edition SP1 or later Microsoft Windows Server 2008 Enterprise Edition SP2 or later		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
Processor	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
Available Hard Drive Space	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	
Minimum RAM	8 GB or More	8 GB or More	2 GB or More	2 GB or More
Network Card	1 GB Ethernet	1 GB Ethernet	1 GB Ethernet	1 GB Ethernet
Database Requirements	( 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 2014 Enterprise or Standard Edition MS SQL Server 2012 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> ***			
Other Applications	.Net Framework v4.5 or later ASP.Net 4.0+ SQL Native Client			
Internet Explorer	V8.0 or newer	V8.0 or newer	V8.0 or newer	V8.0 or newer
Silverlight		Silverlight 5	Silverlight 5	Silverlight 5
UPS Battery Backup	Yes	Yes	Yes	Yes