PNMSOFT
Business Processes in Motion™

PNMsoft Knowledge Base

Sequence Administrator Guides

Integrating Sequence Flowtime Controls into your ASP.NET Application

Microsoft Partner

Gold Application Development

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General Document Information

Purpose

This document is designed to instruct you on how to integrate Sequence Flowtime visual components with an independent ASP.NET web application, taking advantage of the Sequence Web User Controls. This document provides step-by-step information on how to set this up.

Prerequisites

- Knowledge:
    - Sequence basics
    - .NET development using C#
- Environments:
    - A Sequence **SharePoint-less** server environment
    - Visual Studio

Note: It is highly advised to implement standard development practices such as error handling while utilizing these code samples in any software development project.

Introduction

Flowtime, Sequence's end user interface, can be installed on SharePoint or integrated into an independent ASP.NET application (a SharePoint-less installation). The SharePoint installation scenario is covered in the Sequence Installation Guide. This document describes the steps required for creating a SharePoint-less Sequence Flowtime environment.

The major steps are:

- Creating a .NET Web Application Project
- Adding Flowtime User Controls to your Web Application

User Control Overview

Flowtime includes 10 user controls, divided into 3 functional categories:

Inbox

	The User
UserMessagesGridControl.ascx 	Messages grid control displays the current user's Sequence inbox.
GroupMessagesGridControl.ascx 	The Group Messages grid control is meant to display messages shared by the user's various groups.
InboxSummaryControl.ascx 	The Inbox Summary control tallies your items by due date, making it easier to find the most urgent ones to action.
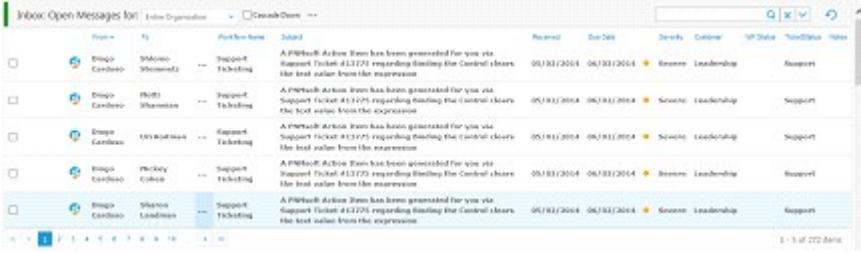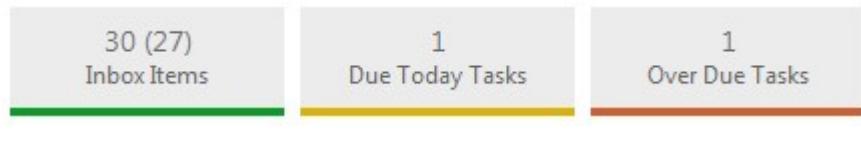
Workflow Management

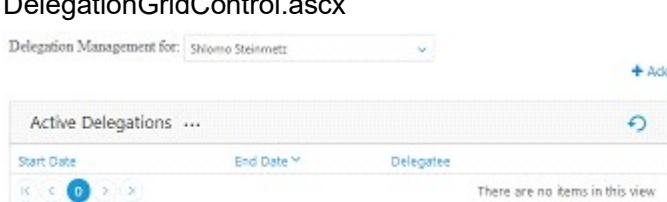|	
NewProcessControl.ascx **+ New Process**	The New Process control functions as a quick-launch option to start new instances of any workflow for which the user has permissions.
ProcessesGridControl.ascx Business Process: All ... Process Name ^ Description Add recipients test ... Add recipients test API TEST ... API TEST Assign Fail TEST ... Assign Fail TEST Async Upload Validation ... Async Upload Validation Checkbox By JS ... Checkbox By JS |< < 1 2 3 4 5 6 7 8 > >| 1 - 5 of 36 items	The Process Grid control lists all the workflow space templates for which the user has permissions and allows them to list currently running instances and start new ones for each of them.
ProcessesIStartedControl.ascx 180 Processes I Started	The Processes I Started control functions as a quick-launch option to a page that lists all the workflows from all space templates which the current user created.
UserInstancesGridControl.ascx My Open Processes ... Id Workflow Name Creation Date Last Updated Pending Created By Status 1944 API TEST ... 2/5/2014 2/5/2014 Shlomo Steinmetz 1943 API TEST ... 2/5/2014 2/5/2014 Shlomo Steinmetz 1942 API TEST ... 2/5/2014 2/5/2014 Shlomo Steinmetz 1934 API TEST ... 2/4/2014 2/4/2014 Shlomo Steinmetz 1919 Sequence Licensing Warnings ... 2/4/2014 2/4/2014 Shlomo Steinmetz |< < 1 2 3 4 5 6 7 8 9 10 ... > >|	The User Instances grid control is on the page opened when the user clicks on the Processes I Started control, and displays the workflow instances created by the current user. The control and the hosting page can function as stand-alone as well.
ProcessInstancesGridControl.ascx API TEST: Open Processes ... Process No ^ Creation Date Created By Last Updated 1944 ... 2/5/2014 Shlomo Steinmetz 2/5/2014 1943 ... 2/5/2014 Shlomo Steinmetz 2/5/2014 1942 ... 2/5/2014 Shlomo Steinmetz 2/5/2014 1934 ... 2/4/2014 Shlomo Steinmetz 2/4/2014 1859 ... 1/22/2014 Shlomo Steinmetz 1/22/2014 |< < 1 2 3 > >|	The Process Instances control displays all instances of a selected workflow space template, regardless of their creator's user.

Delegation

DelegationGridControl.ascx 	The Delegation grid control enables you to create and manage your delegations in Sequence.
ChangeUserGridControl.ascx 	The Change User grid control allows you to "step into" Sequence using delegation and to work in Sequence on their behalf.

Installing SharePoint-less Flowtime

The quickest way to set your developer environment with all the required functionality is to install the "SharePoint-less Flowtime".

Prerequisites

Software Prerequisites

- You must already have an existing Sequence Database installed.
- Install IIS on your server.
- On IIS, create a website where you will install SharePoint-less Flowtime.

Required Accounts

- You must be a Local Administrator on the server where you will install Flowtime.
- You must have an Application Pool account which is a member of the local IIS_IUSRS group.

Installation Steps

1. Download the SharePoint-less Flowtime installation file from the **Downloads Center**.
2. Run the installation .exe file (you must right-click and run as Administrator).
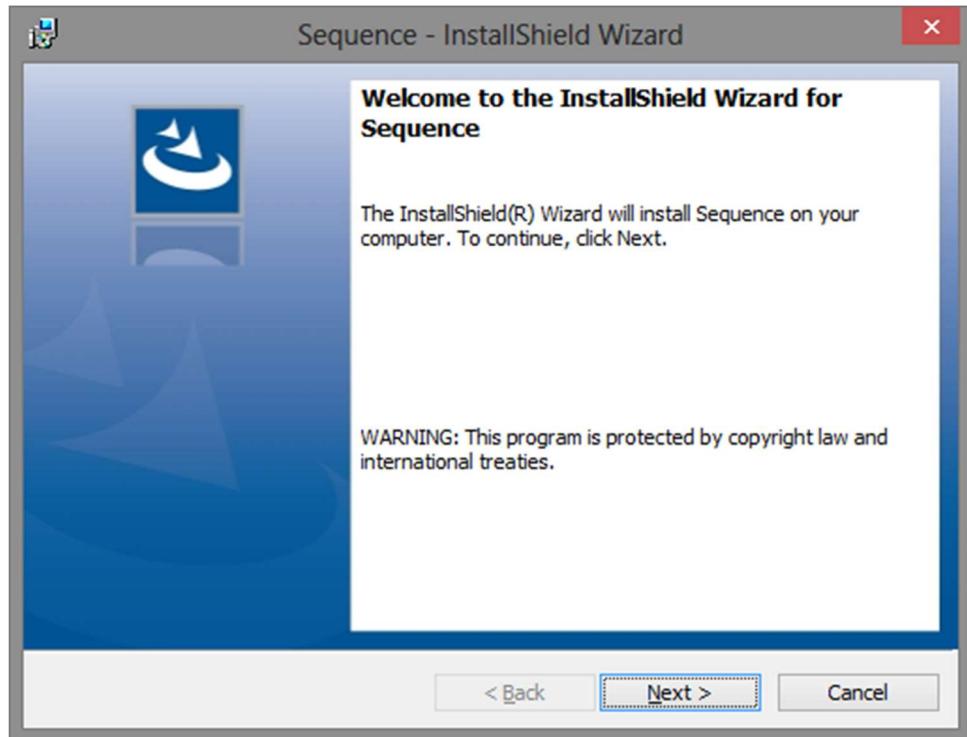
3. Click **Next**.
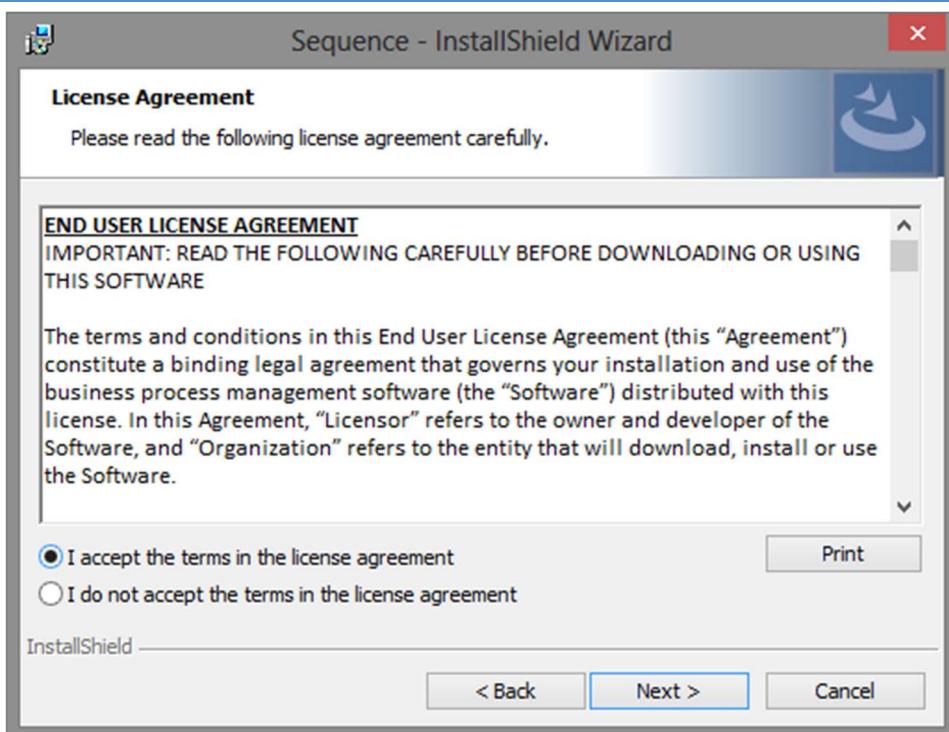
4. Click **I accept**… and click **Next**.
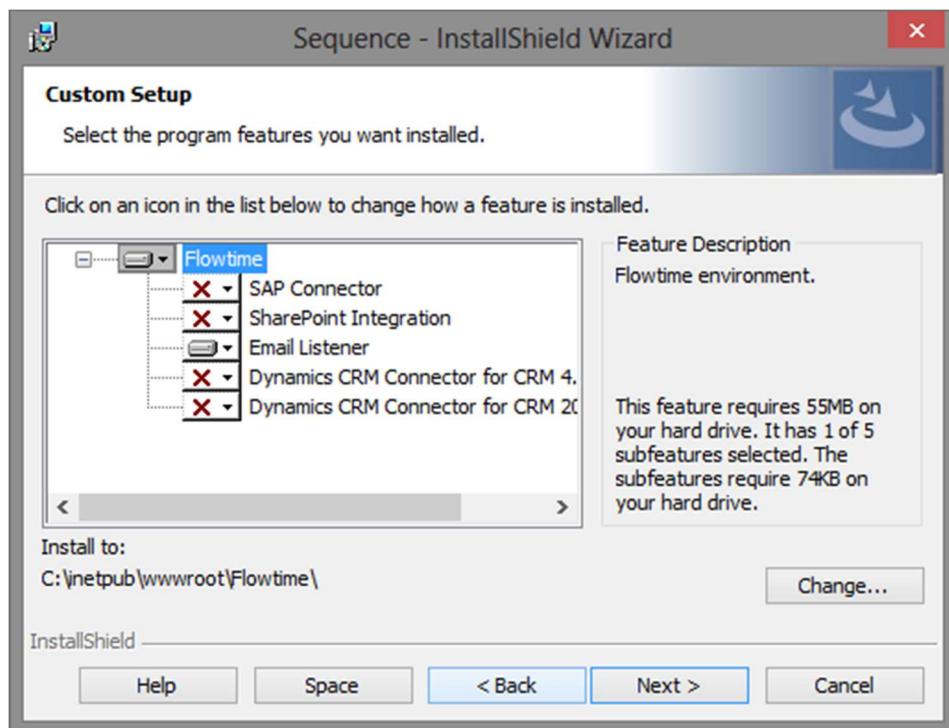
5. Select the features you need to install for your Sequence environment.
6. After selecting the features, click **Flowtime**, and click **Change**.
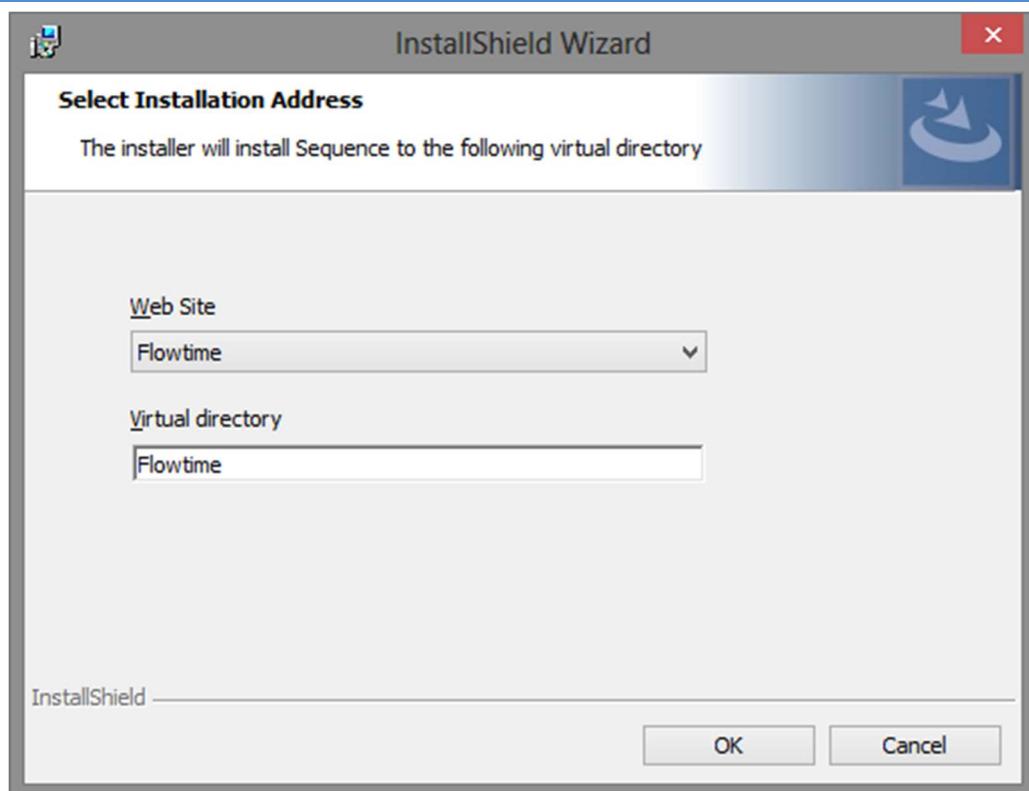
7. Select the **Web Site** you created for Flowtime.

8. (Optional) change the name of the **Virtual directory**. Click **OK**.
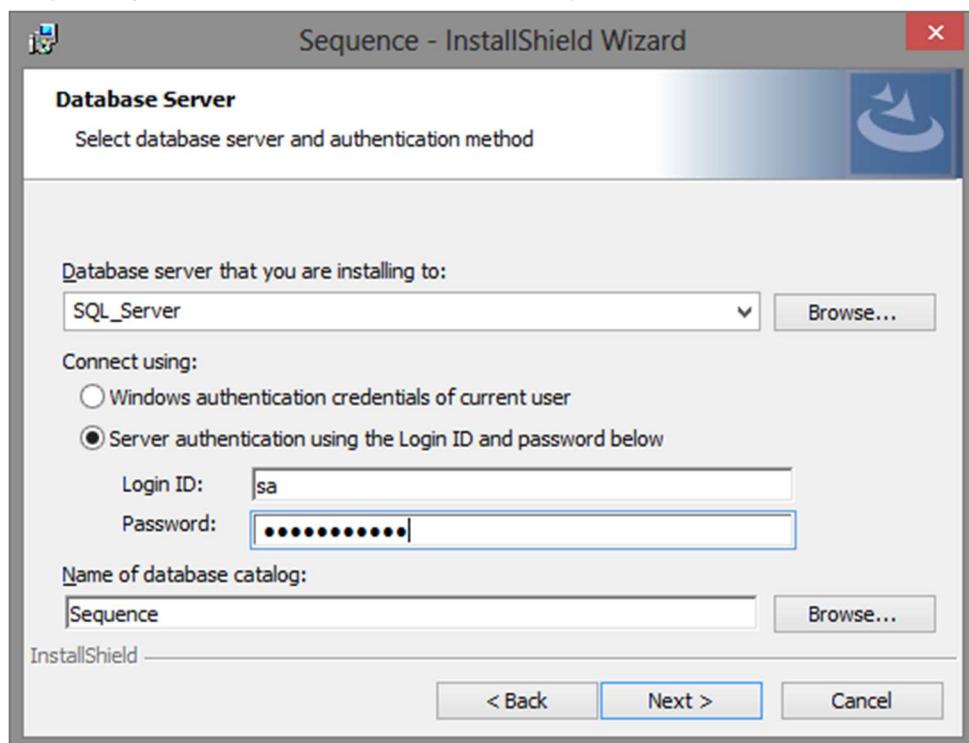
9. Configure the connection to your existing Sequence Database. Click **Next**.
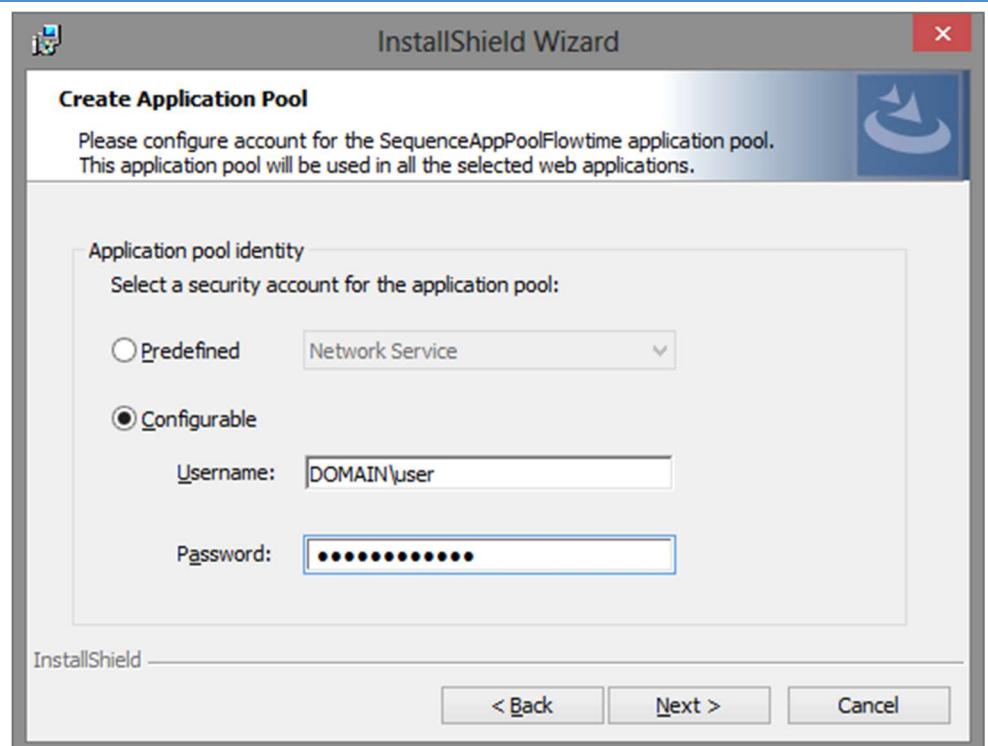
10. Enter the credentials of your Application Pool account. Click **Next**.

11. Click **Install**.

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![PNMSOFT logo - Business Processes in Motion™]
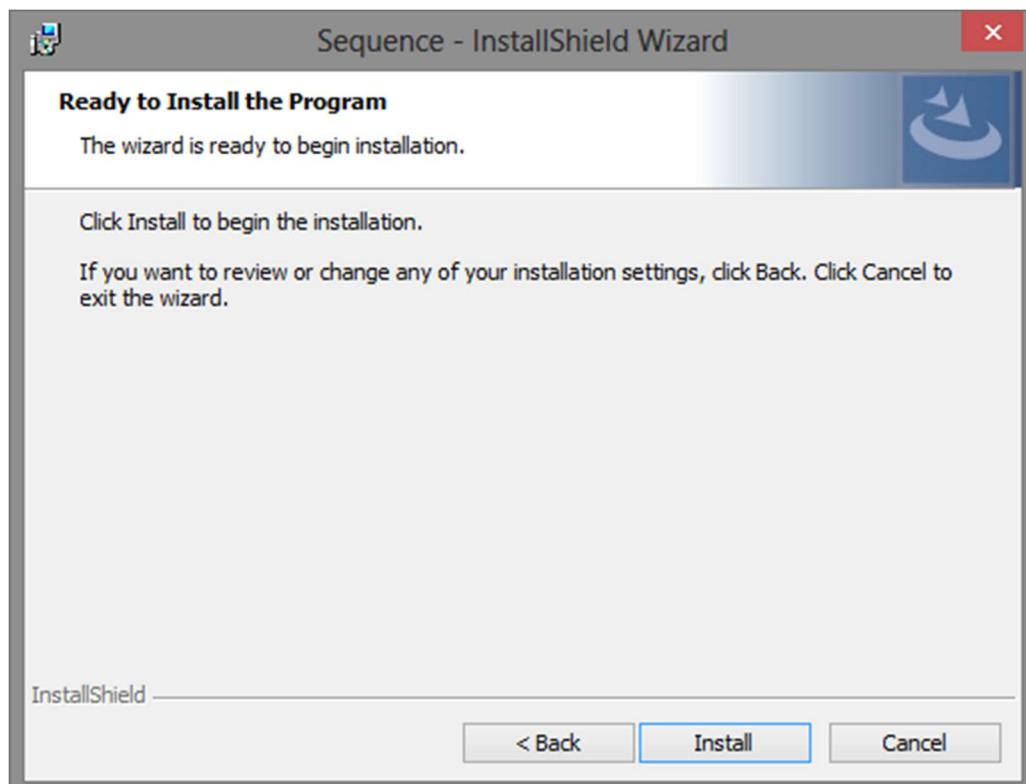
Post Installation

After the installation completes, you will get:

1. All the relevant dlls in your GAC.
2. A valid web.config file in the website folder.
3. All the relevant runtime files available.
4. A Shared Resource folder with all the relevant files.

Creating an ASP.NET Application Project

1. Open Visual Studio and create a new ASP.NET web application. Give the project a meaningful name (e.g. systemToSequenceIntegration).
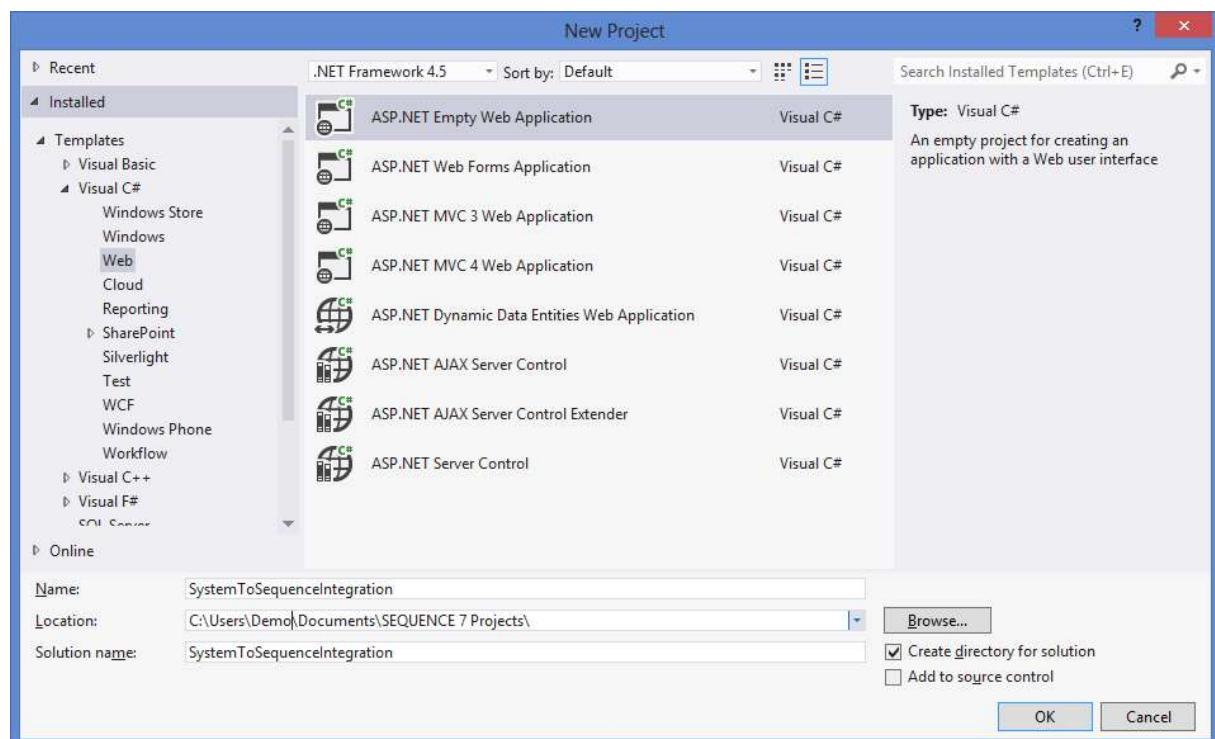
ASP.NET Web Application

As this is an ASP.NET solution, the Sequence Http Module will handle the authentication for you.

Adding References to the Sequence Components

2. Add the following references to your project:

- PNMsoft.Sequence.Web
- PNMsoft.Sequence.Flowtime.Controls
- PNMsoft.Sequence.Views
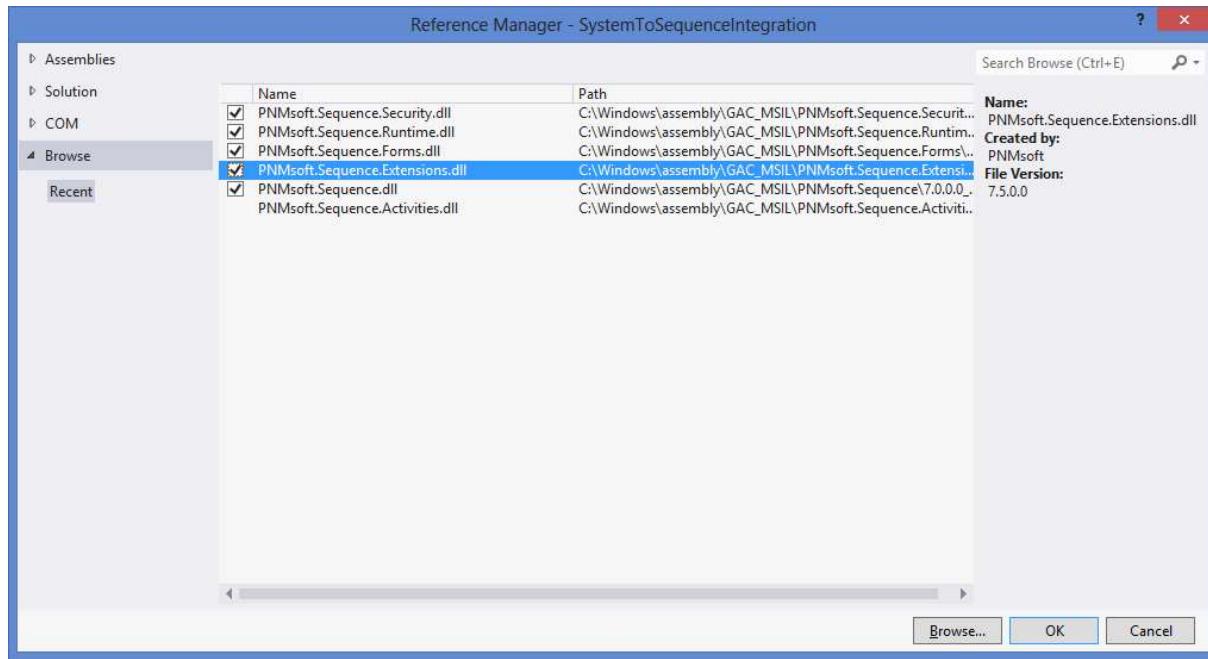
Add Reference

3. Change your project to work with Local IIS.
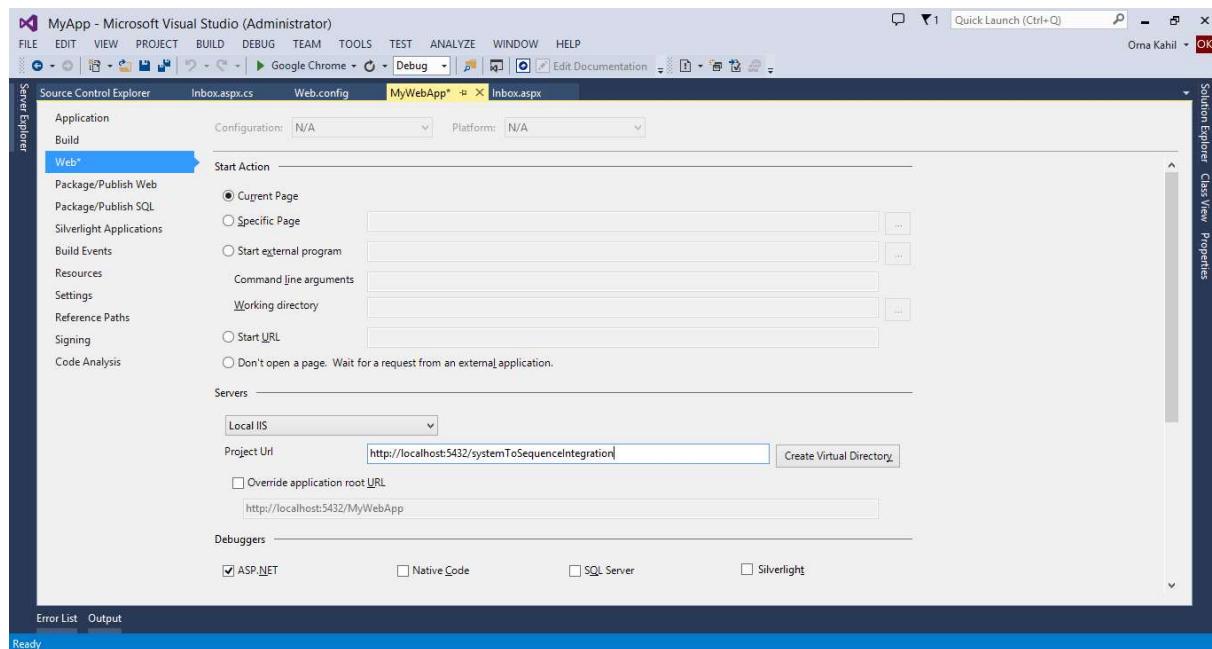
Local IIS

4. Add the required virtual directories using the IIS management Snap-in:

   a. _ CONTROLTEMPLATES pointing to
      C:\inetpub\wwwroot\Flowtime\CONTROLTEMPLATES

   b. _vti_bin pointing to C:\inetpub\wwwroot\Flowtime_vti_bin

   c. _layouts pointing to C:\inetpub\wwwroot\Flowtime\LAYOUTS

   d. Shared Resources pointing to C:\Program Files\PNMsoft\Shared Resources

   Note: The physical paths are the default locations. Please modify them if you've installed to a different path.

After deployment you will need to ensure that these virtual directories are correctly configured.

Modifying the config File

1. Merge these sections from the web.config found in the Flowtime site to the target config:

   - Sequence.engine Config section
   - Sequence.engine section
   - Handlers section - merge all keys which include PNMsoft elements, exclude any element of `Rad.Web.UI`
   - Modules section - merge all keys which include PNMsoft element Assemblies, exclude any element of `Rad.Web.UI`
   - Diagnostics – copy the entire section

A sample of a full config file which is compatible with 7.6 is detailed in Appendix B.

You will need to modify the settings for the database key (see the highlighted area), and align with the recent config changes.

Note: It is advisable to adjust the services section to meet your application functionality.

Adding a User Control to a Page in your Web Application

In this example we will demonstrate adding the User Inbox control to a page called Inbox.aspx. (Additional code details and samples are included in Appendix B.)

1. Add a new Web Form item to your project:
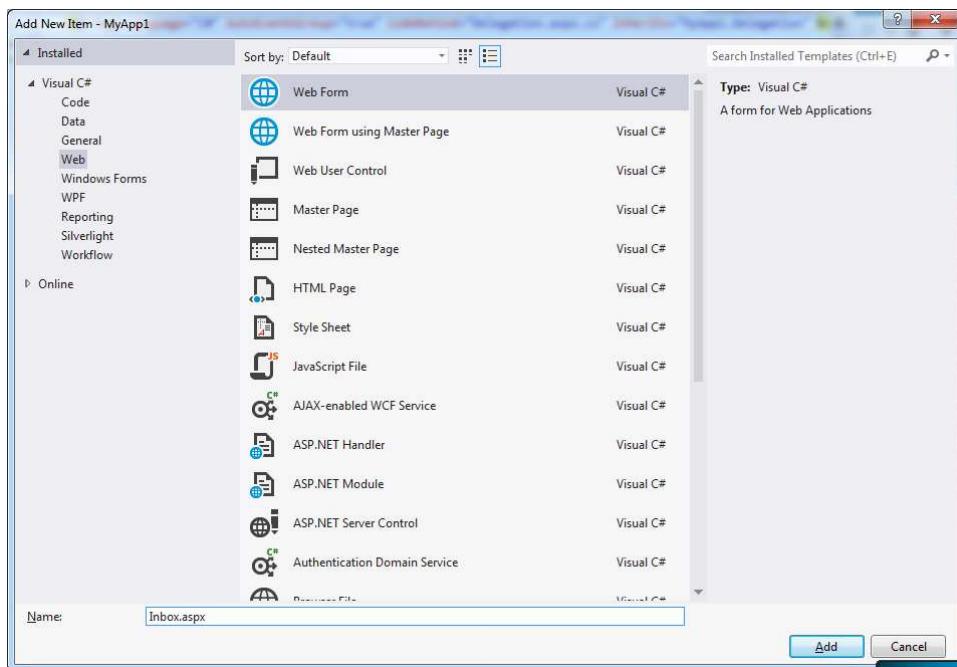
Web Form Item

2. Open the aspx page and add a Placeholder control to the markup as follows:

   `<asp:PlaceHolder ID="PlaceHolderInbox" runat="server"></asp:PlaceHolder>`

   This placeholder will be used in the page code to load the control into it.

3. Add these using statements to the page's using statements:

   `using PNMsoft.Sequence.Flowtime.Controls;`

   `using PNMsoft.Sequence.Web;`

4. Add a login statement to the already existing Page_Load function as follows:

   `bool isLoggedin = AuthenticationManager.Login();`

5. Override the create child control method, include the base and then load the user control into the placeholder which you created in step 2. In this sample we have used the User Inbox. You can find sample code for the other controls in Appendix A.

   To complete this lab, simply copy and paste the code below into your form.

```
protected override void CreateChildControls()
{
    //first ensure that the default and existing controls are not
    adversely affected by adding Sequence user controls
    base.CreateChildControls();

    //Load the user control definitions from the file. The location
    here is the default location in the SharePoint-less installer
    UserMessagesGridControl conUserMsg =
    this.Page.LoadControl(@"~/_controltemplates/flowtime/UserMessagesGr
    idControl.ascx") as UserMessagesGridControl;

    //Add the Inbox User control into PlaceHolderInbox
    PlaceHolderInbox.Controls.Add(conUserMsg);
}
```

6. Compile the project and publish it to your web server, where SharePoint-less Sequence is already installed.

   Note: when working in the built-in Visual Studio IIS, the browsing is a bit different and the user might not be able to log-in.

Troubleshooting

1. If no web parts appear or if the web part(s) load empty, make sure Anonymous is disabled for your application.

2. If you see in the code that you have an authenticated user but the page still loads empty, run Fiddler or any other debugging tool and check which file is failing.

3. If you get 500 for the XSRF service with this message "Could not load type 'System.ServiceModel.Activation.HttpHandler' from assembly 'System.ServiceModel, Version=3.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089'."

   Follow this article to solve the issue:

   http://www.codeproject.com/Articles/613812/Solve-IIS-Error-Could-not-load-type-System-Servi

4. If in the .NET 4.5 application, the application keeps redirecting to account/login, start your project from an empty solution with an empty web form project.

5. If you get this configuration error when running in .NET 4.0: "There is a duplicate 'system.web.extensions/scripting/scriptResourceHandler' section defined"

   Make sure your types in system.web.extensions config are pointing to version 4.0.0.0 and not 3.5.0.0.

   For example:

```xml
<sectionGroup name="system.web.extensions"
type="System.Web.Configuration.SystemWebExtensionsSectionGroup, System.Web.Extensions,
Version=4.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35">
    <sectionGroup name="scripting"
type="System.Web.Configuration.ScriptingSectionGroup, System.Web.Extensions,
Version=4.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35">
      <section name="scriptResourceHandler"
type="System.Web.Configuration.ScriptingScriptResourceHandlerSection,
System.Web.Extensions, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35" requirePermission="false"
allowDefinition="MachineToApplication" />
      <sectionGroup name="webServices"
type="System.Web.Configuration.ScriptingWebServicesSectionGroup,
System.Web.Extensions, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35">
        <section name="jsonSerialization"
type="System.Web.Configuration.ScriptingJsonSerializationSection,
System.Web.Extensions, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35" requirePermission="false"
allowDefinition="Everywhere" />
        <section name="profileService"
type="System.Web.Configuration.ScriptingProfileServiceSection, System.Web.Extensions,
Version=4.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35"
requirePermission="false" allowDefinition="MachineToApplication" />
        <section name="authenticationService"
type="System.Web.Configuration.ScriptingAuthenticationServiceSection,
System.Web.Extensions, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35" requirePermission="false"
allowDefinition="MachineToApplication" />
      </sectionGroup>
    </sectionGroup>

    </sectionGroup>
```

And the matching handler:

```
<add name="ScriptResource" preCondition="integratedMode" verb="GET,HEAD"
path="ScriptResource.axd" type="System.Web.Handlers.ScriptResourceHandler,
System.Web.Extensions, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35" />
```

Appendix A – Code Samples

UserMessagesGridControl.ascx – manipulating columns display, controlling sort etc.

```
//First ensure that the default and existing controls are not adversely
affected by adding Sequence user controls
base.CreateChildControls();
  //Load the user control definitions from the file. The location here is
  the default location in the SharePoint-less installer
UserMessagesGridControl conUserMsg =
this.Page.LoadControl(@"~/_controltemplates/flowtime/UserMessagesGridContr
ol.ascx") as UserMessagesGridControl;
//The is a System.Collections.Generic.List which you can use to modify the
display behaviour of specific columns
List<Column> colList = new List<Column>();
//Set the Priority column to be invisible
colList.Add(new Column("Priority") { Visible = false });
//Move the Status column to be the 2nd from the left
colList.Add(new Column("Status") { Index = 2 });
//Sort the grid by the From column in descending order
colList.Add(new Column("From") { Sort = true, SortDirection =
SortDirection.Descending, Index = 6 });
//set your custom List as the one bound to the user control
conUserMsg.Columns = colList;
//display 15 records per screen
conUserMsg.PageSize = 15;
//Add the Inbox User control into PlaceHolderInbox

PlaceHolderInbox.Controls.Add(conUserMsg);
```

GroupMessagesGridControl.ascx (same as UserMessagesGridControl except with its own object class)

```
//Load the user control definitions from the file. The location here is
the default location in the SharePoint-less installer
GroupMessagesGridControl conGroupMsg =
this.Page.LoadControl(@"~/_controltemplates/flowtime/GroupMessagesGridCon
trol.ascx") as GroupMessagesGridControl;
//Add the Group Inbox User control into PlaceHolderInbox

PlaceHolderInbox.Controls.Add(conGroupMsg);
```

InboxSummaryControl.ascx

```
//Load the user control definitions from the file. The location here is
the default location in the SharePoint-less installer
InboxSummaryControl conInboxSummary =
this.Page.LoadControl(@"~/_controltemplates/flowtime/InboxSummaryControl.a
scx") as InboxSummaryControl;
//You can set the page that will open when the control is clicked. By
default it will go to Inbox.aspx
conInboxSummary.InboxPage = "MyPage.aspx";
//Add the Summary control into PlaceHolderInbox

PlaceHolderInbox.Controls.Add(conInboxSummary);
```

NewProcessControl.ascx

```
//Load the user control definitions from the file. The location here is
the default location in the SharePoint-less installer
NewProcessControl conNewProcess =
this.Page.LoadControl(@"~/_controltemplates/flowtime/NewProcessControl.asc
x") as NewProcessControl;
//Add the New Process control into PlaceHolderInbox

PlaceHolderInbox.Controls.Add(conNewProcess);
```

ProcessesGridControl.ascx

```
//Load the user control definitions from the file. The location here is
the default location in the SharePoint-less installer
ProcessesGridControl conProcessesGrid =
this.Page.LoadControl(@"~/_controltemplates/flowtime/ProcessesGridControl.
ascx") as ProcessesGridControl;
//display 5 records per screen
conProcessesGrid.PageSize = 5;
//Show or hide the workflow templates category filter button
conProcessesGrid.ShowCategoriesFilter = false;
//Add the Process Grid user control into your PlaceHolder

PlaceHolderProcesses.Controls.Add(conProcessesGrid);
```

ProcessesIStartedControl.ascx

```
//Load the user control definitions from the file. The location here is
the default location in the SharePoint-less installer
ProcessesIStartedControl conProcessesIStarted =
this.Page.LoadControl(@"~/_controltemplates/flowtime/ProcessesIStartedCont
rol.ascx") as ProcessesIStartedControl;
//Add the Processes I Started control into your PlaceHolder

PlaceHolderProcesses.Controls.Add(conProcessesIStarted);
```

UserInstancesGridControl.ascx

```
//Load the user control definitions from the file. The location here is
the default location in the SharePoint-less installer
UserInstancesGridControl conUserInstancesGrid =
this.Page.LoadControl(@"~/_controltemplates/flowtime/UserInstancesGridCont
rol.ascx") as UserInstancesGridControl;
//display 5 records per screen
conUserInstancesGrid.PageSize = 5;
//Display opened or closed workflow instances
conUserInstancesGrid.WorkflowViewStatus =
PNMsoft.Sequence.Views.WorkflowInstanceViewStatus.Open;
//Add the User Instances grid control into your PlaceHolder

PlaceHolderProcesses.Controls.Add(conUserInstancesGrid);
```

ProcessInstancesGridControl.ascx

```
//Load the user control definitions from the file. The location here is
the default location in the SharePoint-less installer
ProcessInstancesGridControl conProcessInstancesGrid =
this.Page.LoadControl(@"~/_controltemplates/flowtime/ProcessInstancesGridC
ontrol.ascx") as ProcessInstancesGridControl;
//Display instances from a specific workflow space or template
conProcessInstancesGrid.WorkspaceId = new Guid("9f4d45e5-9ec0-46c0-9259-
b46e1e972d2c");
//display 5 records per screen
```

```
conProcessInstancesGrid.PageSize = 5;
//Use a List object (like in the inbox example) to hide selected fields
List<Column> colList = new List<Column>();
colList.Add(new Column("var1") { Visible = false });
conProcessInstancesGrid.Columns = colList;
//Add the User Instances grid control into your PlaceHolder

PlaceHolderProcesses.Controls.Add(conProcessInstancesGrid);
```

DelegationGridControl.ascx

```
   //Load the user control definitions from the file. The location here is
  the default location in the SharePoint-less installer
DelegationGridControl conDeleg =
this.Page.LoadControl(@"~/_controltemplates/flowtime/DelegationGridControl
.ascx") as DelegationGridControl;
//capture the user Id and recognize first time users
if (conDeleg.UserId == 1137)
{
    //Render a message explaining the delegation feature
}
//Add the User Instances grid control into your PlaceHolder

PlaceHolderDelegation.Controls.Add(conDeleg);
```

ChangeUserGridControl.ascx

```
   //Load the user control definitions from the file. The location here is
  the default location in the SharePoint-less installer
ChangeUserGridControl conChUser =
this.Page.LoadControl(@"~/_controltemplates/flowtime/ChangeUserGridControl
.ascx") as ChangeUserGridControl;
//Add the User Instances grid control into your PlaceHolder

PlaceHolderDelegation.Controls.Add(conChUser);
```

Appendix B – config

For v8.1.2 and above

The following is a sample of a full config file which is compatible with v8.1.2.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<configuration>
  <configSections>
    <sectionGroup name="applicationSettings"
type="System.Configuration.ApplicationSettingsGroup, System, Version=2.0.0.0,
Culture=neutral, PublicKeyToken=b77a5c561934e089">
      <section name="PNMsoft.Sequence.ReportServer.Properties.Settings"
type="System.Configuration.ClientSettingsSection, System, Version=2.0.0.0, Culture=neutral,
PublicKeyToken=b77a5c561934e089" requirePermission="false" />
    </sectionGroup>
    <sectionGroup name="sequence.engine"
type="PNMsoft.Sequence.Configuration.WorkflowEngineConfigurationSectionGroup,
PNMsoft.Sequence, Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1">
      <section name="authentication"
type="PNMsoft.Sequence.Security.Configuration.AuthenticationConfigurationSection,
PNMsoft.Sequence.Security, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
      <section name="workflowExecution"
type="PNMsoft.Sequence.Configuration.WorkflowExecutionServiceConfigurationSection,
PNMsoft.Sequence, Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"
allowDefinition="MachineToApplication" />
      <section name="notifications"
type="PNMsoft.Sequence.Configuration.NotificationServiceConfigurationSection,
PNMsoft.Sequence, Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"
allowDefinition="MachineToApplication" />
      <section name="dynamicProxyRuntime"
type="PNMsoft.Sequence.Dynamic.Configuration.DynamicProxyRuntimeConfigurationSection,
PNMsoft.Sequence.Dynamic, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
      <section name="services"
type="PNMsoft.Sequence.Configuration.WorkflowEngineServiceConfigurationSection,
PNMsoft.Sequence, Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"
allowDefinition="MachineToApplication" />
      <section name="persistence"
type="PNMsoft.Sequence.Configuration.WorkflowEnginePersistenceConfigurationSection,
PNMsoft.Sequence, Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"
allowDefinition="MachineToApplication" />
      <section name="obs" type="PNMsoft.Sequence.Configuration.ObsConfigurationSection,
PNMsoft.Sequence, Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"
/>
      <sectionGroup name="activities"
type="PNMsoft.Sequence.Configuration.ActivitiesConfigurationSection, PNMsoft.Sequence,
Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1">
```

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```
        </sectionGroup>
        <section name="forms"
type="PNMsoft.Sequence.Configuration.FormsConfigurationSection, PNMsoft.Sequence,
Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1" />
        <section name="mimeTypes"
type="PNMsoft.Sequence.Configuration.MimeTypesConfigurationSection, PNMsoft.Sequence,
Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1" />
        <section name="resources"
type="PNMsoft.Sequence.Configuration.ResourcesConfigurationSection, PNMsoft.Sequence,
Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1" />
        <section name="web"
type="PNMsoft.Sequence.Web.Configuration.WebConfigurationSection,
PNMsoft.Sequence.Web, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
        <section name="data.services"
type="PNMsoft.Sequence.Data.Services.Configuration.DataServicesConfigurationSection,
PNMsoft.Sequence.Data.Services, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
      </sectionGroup>
    </configSections>
    <appSettings>
      <add key="PNMsoft.Sequence.Forms.Web.UI.FormControl.CompatibilityLevel" value="V7"
/>
      <add key="PNMsoft.Rad.Web.UI.ResourcePath" value="~/Shared
Resources/Resources/Sequence/Rad" />
      <add key="PNMsoft.Rad.Web.UI.v8.ResourcePath" value="~/Shared
Resources/Resources/Sequence/Rad8" />
      <add key="sequence.clientHelper.enableUncontrolledQueries" value="false" />
      <add key="PNMsoft.Sequence.Flowtime.Theme" value="Sequence8" />
      <add key="PNMsoft.Sequence.Forms.Web.UI.FormControl.Theme" value="Metro" />
      <add key="PNMsoft.Sequence.Forms.Web.v8.UI.FormControl.Theme" value="Zinc" />
      <add key="PNMsoft.Sequence.Forms.Web.UI.FormControl.Theme.Controls.Skin"
value="Metro" />
      <add key="PNMsoft.Sequence.Forms.Web.v8.UI.FormControl.Theme.Controls.Skin"
value="Sequence8" />
      <add key="PNMsoft.Sequence.Forms.AttachmentLinkExpiration" value="180" />
    </appSettings>
    <system.web>

    </system.web>
    <sequence.engine>
      <authentication impersonate="false">
        <providers>
          <add type="PNMsoft.Sequence.Security.WindowsAuthenticationProvider,
PNMsoft.Sequence.Runtime, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
```

```xml
    <add type="PNMsoft.Sequence.Security.UsernameAuthenticationProvider,
PNMsoft.Sequence.Runtime, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
    </providers>
    <!--<forms enabled="true">
    <web loginUrl="~/FormLogin.aspx" />
    </forms>-->
    </authentication>
    <workflowExecution redirectMode="Manual" />
    <notifications />
    <!-- Clear; Encrypted; Hashed -->
    <obs userCacheEnabled="true" userCacheCapacity="500" groupCacheEnabled="true"
groupCacheCapacity="500" />
    <services>
    <add type="PNMsoft.Sequence.Runtime.AuthorizationService,
PNMsoft.Sequence.Runtime, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
    <add type="PNMsoft.Sequence.Data.Sql.SqlNotificationService, PNMsoft.Sequence.Data,
Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"></add>
    <add type="PNMsoft.Sequence.Runtime.WorkflowPersistenceService,
PNMsoft.Sequence.Runtime, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
    <add type="PNMsoft.Sequence.Runtime.WorkflowDefinitionService,
PNMsoft.Sequence.Runtime, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
    <add type="PNMsoft.Sequence.Runtime.WorkflowDesignService,
PNMsoft.Sequence.Runtime, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
    <add type="PNMsoft.Sequence.Runtime.WorkflowExecutionService,
PNMsoft.Sequence.Runtime, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
    <add type="PNMsoft.Sequence.Runtime.ObsService, PNMsoft.Sequence.Runtime,
Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"></add>
    <add type="PNMsoft.Sequence.Views.WorkflowCategoriesViewService,
PNMsoft.Sequence.Views, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
    <add type="PNMsoft.Sequence.Views.DelegatorsViewService, PNMsoft.Sequence.Views,
Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"></add>
    <add type="PNMsoft.Sequence.Views.DelegationsViewService,
PNMsoft.Sequence.Views, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
    <add type="PNMsoft.Sequence.Views.WorkflowTemplateViewService,
PNMsoft.Sequence.Views, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
    <add type="PNMsoft.Sequence.Views.WorkflowInstancesViewService,
PNMsoft.Sequence.Views, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
```

```xml
<add type="PNMsoft.Sequence.Views.WorkflowActivityLogViewService,
PNMsoft.Sequence.Views, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"
path="C:\Projects\SequenceEngine\PNMsoft.Sequence\PNMsoft.Sequence.Web.SharedReso
urces\Components\WorkflowLog\Config\WorkflowLog.config"></add>

<add type="PNMsoft.Sequence.Views.MessageViewService, PNMsoft.Sequence.Views,
Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"></add>

<add type="PNMsoft.Sequence.Administration.AdministrationService,
PNMsoft.Sequence.Administration, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>

<add type="PNMsoft.Sequence.Runtime.DelegationService, PNMsoft.Sequence.Runtime,
Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"></add>

<add type="PNMsoft.Sequence.Runtime.Debug.WorkflowDebugService,
PNMsoft.Sequence.Runtime, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>

<add type="PNMsoft.Sequence.Runtime.BlobResourceService,
PNMsoft.Sequence.Runtime, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>

<add type="PNMsoft.Sequence.Dynamic.DynamicProxyRuntime,
PNMsoft.Sequence.Dynamic, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>

<add type="PNMsoft.Sequence.Runtime.WorkflowMessagingService,
PNMsoft.Sequence.Runtime, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>

<add type="PNMsoft.Sequence.Runtime.AuthenticationService,
PNMsoft.Sequence.Runtime, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>

<add type="PNMsoft.Sequence.Runtime.WorkflowDataPropagationService,
PNMsoft.Sequence.Runtime, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>

<add type="PNMsoft.Sequence.Runtime.WorkflowStatisticsService,
PNMsoft.Sequence.Runtime, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>

<add type="PNMsoft.Sequence.Activities.SubWorkflowActivityListenerService,
PNMsoft.Sequence.Activities, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>

<add type="PNMsoft.Sequence.Monitoring.MonitoringService,
PNMsoft.Sequence.Monitoring, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>

<add type="PNMsoft.Sequence.Runtime.FormDefinitionService,
PNMsoft.Sequence.Runtime, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>

<add type="PNMsoft.Sequence.Runtime.FormDesignService,
PNMsoft.Sequence.Runtime, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>

<add type="PNMsoft.Sequence.Views.GroupMessagesViewService,
PNMsoft.Sequence.Views, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
```

```xml
        <add type="PNMsoft.Sequence.Data.EntityModelWorkspaceService,
PNMsoft.Sequence.Extensions, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
          <add type="PNMsoft.Sequence.Flowtime.Services.FlowtimeEngineService,
PNMsoft.Sequence.Flowtime.Services, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
          <add type="PNMsoft.Sequence.Views.MessagesAggregationViewService,
PNMsoft.Sequence.Views, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
          <add type="PNMsoft.Sequence.Views.WorkflowInstancesAggregationViewService,
PNMsoft.Sequence.Views, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.BuiltInCommands.BuiltInCommandService,
PNMsoft.Sequence.BuiltInCommands, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
          <add type="PNMsoft.Sequence.Views.MessagesColumnValuesViewService,
PNMsoft.Sequence.Views, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
          <add type="PNMsoft.Sequence.Views.GroupMessagesColumnValuesViewService,
PNMsoft.Sequence.Views, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
          <add type="PNMsoft.Sequence.Views.WorkflowInstancesColumnValuesViewService,
PNMsoft.Sequence.Views, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        </services>
    <persistence>
      <database provider="System.Data.SqlClient" credentials="" connectionString="Data
Source=;Initial Catalog=;MultipleActiveResultSets=true;Enlist=true;" commandTimeout="1200"
/>
      <providers>
        <add type="PNMsoft.Sequence.Data.Sql.SqlAuthenticationDataProvider,
PNMsoft.Sequence.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
          <add type="PNMsoft.Sequence.Data.Sql.SqlAuthorizationDataProvider,
PNMsoft.Sequence.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
          <add type="PNMsoft.Sequence.Data.WorkflowDefinitionDataProvider,
PNMsoft.Sequence.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
          <add type="PNMsoft.Sequence.Data.Sql.SqlWorkflowExecutionDataProvider,
PNMsoft.Sequence.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
          <add type="PNMsoft.Sequence.Data.DbSystemDataSourceProvider,
PNMsoft.Sequence.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
          <add type="PNMsoft.Sequence.Data.Sql.SqlObsDataProvider, PNMsoft.Sequence.Data,
Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"></add>
```

```xml
        <add type="PNMsoft.Sequence.Views.Data.Sql.SqlMessagesViewDataProvider,
PNMsoft.Sequence.Views.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Views.Data.Sql.SqlWorkflowInstancesViewDataProvider,
PNMsoft.Sequence.Views.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Views.Data.Sql.SqlDelegatorsViewDataProvider,
PNMsoft.Sequence.Views.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Views.Data.Sql.SqlDelegationsViewDataProvider,
PNMsoft.Sequence.Views.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add
type="PNMsoft.Sequence.Views.Data.Sql.SqlWorkflowTemplatesViewDataProvider,
PNMsoft.Sequence.Views.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add
type="PNMsoft.Sequence.Views.Data.Sql.SqlWorkflowActivityLogViewDataProvider,
PNMsoft.Sequence.Views.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add
type="PNMsoft.Sequence.Views.Data.Sql.SqlWorkflowCategoriesViewDataProvider,
PNMsoft.Sequence.Views.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Administration.Data.Sql.SqlAdministrationDataProvider,
PNMsoft.Sequence.Administration.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Data.Sql.SqlWorkflowDebugDataProvider,
PNMsoft.Sequence.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Data.Sql.SqlMessagingDataProvider,
PNMsoft.Sequence.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Data.Sql.SqlDelegationDataProvider,
PNMsoft.Sequence.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Monitoring.Data.Sql.SqlMonitoringDataProvider,
PNMsoft.Sequence.Monitoring.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add blobType="Image" type="PNMsoft.Sequence.Data.Sql.SqlImageResourceProvider,
PNMsoft.Sequence.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Data.Sql.SqlOcaAuthenticationDataProvider,
PNMsoft.Sequence.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Data.Sql.SqlAttachmentsDataProvider,
PNMsoft.Sequence.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
```

```xml
    <add type="PNMsoft.Sequence.Data.Sql.SqlWorkflowStatisticsDataProvider,
PNMsoft.Sequence.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
            <add
type="PNMsoft.Sequence.Views.Data.Sql.SqlMessagesAggregationViewDataProvider,
PNMsoft.Sequence.Views.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
            <add
type="PNMsoft.Sequence.Views.Data.Sql.SqlWorkflowInstancesAggregationViewDataProvide
r, PNMsoft.Sequence.Views.Data, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
        </providers>
      </persistence>
      <dynamicProxyRuntime>
        <providers>
          <add name="WebServiceConsumerProvider"
type="PNMsoft.Sequence.Web.Services.WebServiceConsumerProxyFactoryProvider,
PNMsoft.Sequence.Web.Services, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
          <add name="WebServiceListenerProvider"
type="PNMsoft.Sequence.Web.Services.WebServiceListenerProxyFactoryProvider,
PNMsoft.Sequence.Web.Services, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
          <add name="ExternalServiceConsumerProvider"
type="PNMsoft.Sequence.Externals.ExternalServiceProxyFactoryProvider,
PNMsoft.Sequence.Externals, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
          <add name="WcfServiceConsumerProvider"
type="PNMsoft.Sequence.ServiceModel.ServiceConsumerProxyFactoryProvider,
PNMsoft.Sequence.ServiceModel, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
          <add name="RestWcfServiceConsumerProvider"
type="PNMsoft.Sequence.ServiceModel.Web.RestServiceConsumerProxyFactoryProvider,
PNMsoft.Sequence.ServiceModel, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
        </providers>
      </dynamicProxyRuntime>
      <forms>
        <validationExtensionTypes>
          <add type="PNMsoft.Sequence.Forms.FileUploadFieldMimeTypeValidationExtension,
PNMsoft.Sequence, Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"
/>
        </validationExtensionTypes>
      </forms>
      <mimeTypes
fileLocation="..\PNMsoft.Sequence.Web.SharedResources\Configuration\MimeTypes.config"
reloadOnChanges="false" />
      <resources resXFilesLocation="..\PNMsoft.Sequence.Web.SharedResources\Resources" />
```

```
<activities>
</activities>
<web>
  <security>
    <xsrfProtection enabled="true" throwOnFailure="true" />
  </security>
  <pageAdapters>
    <add name="XsrfProtectionTokenPageAdapterFactory"
type="PNMsoft.Sequence.Web.UI.Security.XsrfProtectionPageAdapterFactory,
PNMsoft.Sequence.Web, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
  </pageAdapters>
</web>
</sequence.engine>
<connectionStrings />
<location path="SequenceServices">
  <system.web>
    <httpHandlers>
      <remove verb="*" path=".asmx" />
      <add verb="*" path="*.asmx" validate="false"
type="PNMsoft.Sequence.Web.Services.WebServiceListenerHttpHandlerFactory,
PNMsoft.Sequence.Web.Services, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
    </httpHandlers>
  </system.web>
</location>
<location path="SequenceServices/OData">
  <system.web>
    <httpHandlers>
      <remove verb="*" path=".svc" />
      <add verb="*" path="*.svc" validate="false"
type="PNMsoft.Sequence.Data.Services.Activation.DataServiceHttpHandler,
PNMsoft.Sequence.Data.Services, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
    </httpHandlers>
  </system.web>
  <system.webServer>
    <handlers>
      <remove name="DataServiceHttpHandler" />
      <add name="DataServiceHttpHandler" verb="*" path="*.svc"
type="PNMsoft.Sequence.Data.Services.Activation.DataServiceHttpHandler,
PNMsoft.Sequence.Data.Services, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" preCondition="integratedMode" />
    </handlers>
```

```
    </system.webServer>
    <sequence.engine>
      <authentication impersonate="false"></authentication>
      <data.services>
        <handlers>
          <add
type="PNMsoft.Sequence.Data.Services.EntityBoundActivityDataServiceRequestHandler,
PNMsoft.Sequence.Data.Services, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
        </handlers>
      </data.services>
    </sequence.engine>
  </location>
  <location path="SequenceForms">
    <system.web>
      <compilation batch="false">
        <expressionBuilders>
          <add expressionPrefix="sq"
type="PNMsoft.Sequence.Web.Compilation.SqExpressionBuilder,
PNMsoft.Sequence.Extensions, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
        </expressionBuilders>
      </compilation>
      <pages controlRenderingCompatibilityVersion="3.5" compilationMode="Auto"
pageParserFilterType="PNMsoft.Sequence.Forms.Web.UI.FormControlParserFilter,
PNMsoft.Sequence.Forms, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1">
        <controls>
          <add tagPrefix="sq" namespace="PNMsoft.Sequence.Web.UI"
assembly="PNMsoft.Sequence.Extensions, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
          <add tagPrefix="sq" namespace="PNMsoft.Sequence.Forms.Web.UI"
assembly="PNMsoft.Sequence.Forms, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
          <add tagPrefix="sq" namespace="PNMsoft.Sequence.Forms.Web.UI.Controls"
assembly="PNMsoft.Sequence.Forms.Web, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
          <add tagPrefix="sqr" namespace="PNMsoft.Rad.Web.UI"
assembly="PNMsoft.Rad.Web.UI, Version=2012.03.1017.0, Culture=neutral,
PublicKeyToken=29ac1a93ec063d92" />
          <add tagPrefix="sqr8" namespace="PNMsoft.Rad.Web.UI"
assembly="PNMsoft.Rad.Web.UI.v8, Version=2016.1.113.0, Culture=neutral,
PublicKeyToken=29ac1a93ec063d92" />
          <add tagPrefix="sq8" namespace="PNMsoft.Sequence.Forms.Web.UI.Controls"
assembly="PNMsoft.Sequence.Forms.Web.v8, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
```

```xml
        </controls>
      </pages>
    </system.web>
  </location>
  <location path="PNMsoft.Rad.RadUploadProgressHandler.ashx">
   <system.web>
    <authorization>
     <allow users="*" />
    </authorization>
   </system.web>
  </location>
  <location path="PNMsoft.Rad.Web.UI.WebResource.axd">
   <system.web>
    <authorization>
     <allow users="*" />
    </authorization>
   </system.web>
  </location>
  <location path="PNMsoft.Rad.RadUploadProgressHandler.v8.ashx">
   <system.web>
    <authorization>
     <allow users="*" />
    </authorization>
   </system.web>
  </location>
  <location path="PNMsoft.Rad.Web.UI.WebResource.v8.axd">
   <system.web>
    <authorization>
     <allow users="*" />
    </authorization>
   </system.web>
  </location>
  <location path="_vti_bin">
   <sequence.engine>
    <authentication impersonate="false" />
   </sequence.engine>
  </location>
    <location path="Shared Resources/Themes">
        <sequence.engine>
            <authentication enabled="false"></authentication>
        </sequence.engine>
```

```
            </location>
    <location path="Shared Resources/js">
                <sequence.engine>
                        <authentication enabled="false"></authentication>
                </sequence.engine>
        </location>
    <location path="Shared Resources/images">
                <sequence.engine>
                        <authentication enabled="false"></authentication>
                </sequence.engine>
        </location>
    <system.web>
     <!--
            Set compilation debug="true" to insert debugging
            symbols into the compiled page. Because this
            affects performance, set this value to true only
            during development.
        -->
     <compilation defaultLanguage="c#" debug="true">
        <assemblies>
        <add assembly="System.Core, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=B77A5C561934E089" />
        <add assembly="System.Data.DataSetExtensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=B77A5C561934E089" />
        <add assembly="System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" />
        <add assembly="System.Xml.Linq, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=B77A5C561934E089" />
        <add assembly="PNMsoft.Sequence.Security, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
        <add assembly="PNMsoft.Sequence, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
        <add assembly="PNMsoft.Rad.Web.UI, Version=2012.03.1017.0, Culture=neutral,
PublicKeyToken=29ac1a93ec063d92" />
        </assemblies>
        <buildProviders>
        <add extension=".sqasmx"
type="PNMsoft.Sequence.Web.Services.Compilation.WebServiceListenerBuildProvider,
PNMsoft.Sequence.Web.Services, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
        </buildProviders>
     </compilation>
     <!--
            The <authentication> section enables configuration
```

```
        of the security authentication mode used by

        ASP.NET to identify an incoming user.

      -->

  <webServices>

   <protocols>

    <add name="HttpPost" />

    <add name="HttpGet" />

   </protocols>

   <soapExtensionTypes>

    <!--<add
type="PNMsoft.Sequence.Web.Services.Diagnostics.SoapMessageTraceSoapExtension,
PNMsoft.Sequence.Web.Services, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />-->

   </soapExtensionTypes>

  </webServices>

  <authentication mode="Windows" />

  <identity impersonate="true" />

  <authorization>

   <allow users="*" />

  </authorization>

  <trace enabled="false" requestLimit="10000" pageOutput="true" traceMode="SortByTime"
localOnly="false" />

  <sessionState mode="InProc" cookieless="false" timeout="601" />

  <globalization culture="en-GB" uiCulture="en-GB" requestEncoding="utf-8"
responseEncoding="utf-8" fileEncoding="utf-8" />

  <!--

        The <customErrors> section enables configuration

        of what to do if/when an unhandled error occurs

        during the execution of a request. Specifically,

        it enables developers to configure html error pages

        to be displayed in place of a error stack trace.


      -->

  <customErrors mode="Off">

  </customErrors>

  <pages controlRenderingCompatibilityVersion="3.5" validateRequest="false"
enableEventValidation="false" enableViewStateMac="true">

   <controls>

     <add tagPrefix="asp" namespace="System.Web.UI" assembly="System.Web.Extensions,
Version=3.5.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />

     <add tagPrefix="asp" namespace="System.Web.UI.WebControls"
assembly="System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" />
```

```xml
      <add tagPrefix="seq" namespace="PNMsoft.Sequence.Runtime.UI.Controls"
assembly="PNMsoft.Sequence.Runtime.UI.Controls, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
      <add tagPrefix="sqr" namespace="PNMsoft.Rad.Web.UI"
assembly="PNMsoft.Rad.Web.UI, Version=2012.03.1017.0, Culture=neutral,
PublicKeyToken=29ac1a93ec063d92" />
      <add tagPrefix="sq" namespace="PNMsoft.Sequence.Forms.Web.UI.Controls"
assembly="PNMsoft.Sequence.Forms.Web, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
      <add tagPrefix="sq" namespace="PNMsoft.Sequence.Web.UI"
assembly="PNMsoft.Sequence.Extensions, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
      <add tagPrefix="sq" namespace="PNMsoft.Sequence.Linq.Web.UI"
assembly="PNMsoft.Sequence.Linq, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
      <add tagPrefix="sq" namespace="PNMsoft.Sequence.Flowtime.Controls"
assembly="PNMsoft.Sequence.Flowtime.Controls, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
      <add tagPrefix="sqr8" namespace="PNMsoft.Rad.Web.UI"
assembly="PNMsoft.Rad.Web.UI.v8, Version=2016.1.113.0, Culture=neutral,
PublicKeyToken=29ac1a93ec063d92" />
      <add tagPrefix="sq8" namespace="PNMsoft.Sequence.Forms.Web.UI.Controls"
assembly="PNMsoft.Sequence.Forms.Web.v8, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
      <add tagPrefix="seq" namespace="PNMsoft.Sequence.Client.Web.UI.Controls"
assembly="PNMsoft.Sequence.Client.Web, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />
      <add tagPrefix="sqportal"
namespace="PNMsoft.Sequence.Runtime.Web.UI.WebControls"
assembly="PNMsoft.Sequence.Runtime.Web.UI, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
    </controls>
   </pages>
   <httpRuntime requestValidationMode="2.0" maxRequestLength="4096"
executionTimeout="1200" />
   <xhtmlConformance mode="Transitional" />
  </system.web>
  <system.serviceModel>
   <serviceHostingEnvironment aspNetCompatibilityEnabled="true" />
   <services>
    <service
name="PNMsoft.Sequence.Flowtime.Services.Messages.UserMessagesService">
     <endpoint address="" binding="webHttpBinding" bindingConfiguration="webHttpBinding"
contract="PNMsoft.Sequence.Flowtime.Services.Messages.IUserMessagesService" />
    </service>
    <service
name="PNMsoft.Sequence.Flowtime.Services.Messages.GroupMessagesService">
```

```
        <endpoint address="" binding="webHttpBinding" bindingConfiguration="webHttpBinding"
contract="PNMsoft.Sequence.Flowtime.Services.Messages.IGroupMessagesService" />
      </service>
      <service name="PNMsoft.Sequence.Flowtime.Services.Instances.UserInstancesService">
        <endpoint address="" binding="webHttpBinding" bindingConfiguration="webHttpBinding"
contract="PNMsoft.Sequence.Flowtime.Services.Instances.IUserInstancesService" />
      </service>
      <service
name="PNMsoft.Sequence.Flowtime.Services.Instances.ProcessInstancesService">
        <endpoint address="" binding="webHttpBinding" bindingConfiguration="webHttpBinding"
contract="PNMsoft.Sequence.Flowtime.Services.Instances.IProcessInstancesService" />
      </service>
      <service name="PNMsoft.Sequence.Flowtime.Services.Delegation.DelegationService">
        <endpoint address="" binding="webHttpBinding" bindingConfiguration="webHttpBinding"
contract="PNMsoft.Sequence.Flowtime.Services.Delegation.IDelegationService" />
      </service>
      <service name="PNMsoft.Sequence.Flowtime.Services.Delegators.DelegatorsService">
        <endpoint address="" binding="webHttpBinding" bindingConfiguration="webHttpBinding"
contract="PNMsoft.Sequence.Flowtime.Services.Delegators.IDelegatorsService" />
      </service>
      <service name="PNMsoft.Sequence.Flowtime.Services.UtilityService">
        <endpoint address="" binding="webHttpBinding" bindingConfiguration="webHttpBinding"
contract="PNMsoft.Sequence.Flowtime.Services.IUtilityService" />
      </service>
    </services>
    <bindings>
      <webHttpBinding>
        <binding name="webHttpBinding">
          <security mode="TransportCredentialOnly">
            <transport clientCredentialType="Windows" />
          </security>
        </binding>
      </webHttpBinding>
    </bindings>
  </system.serviceModel>
  <system.codedom>
    <compilers>
      <compiler language="c#;cs;csharp" extension=".cs" warningLevel="4"
type="Microsoft.CSharp.CSharpCodeProvider, System, Version=2.0.0.0, Culture=neutral,
PublicKeyToken=b77a5c561934e089">
        <providerOption name="CompilerVersion" value="v3.5" />
        <providerOption name="WarnAsError" value="false" />
      </compiler>
```

```
    </compilers>
</system.codedom>
<!--
    The system.webServer section is required for running ASP.NET AJAX under Internet
    Information Services 7.0.  It is not necessary for previous version of IIS.
 -->


<system.webServer>
  <validation validateIntegratedModeConfiguration="false" />
  <modules>
    <remove name="ScriptModule" />
    <add name="ScriptModule" preCondition="managedHandler"
type="System.Web.Handlers.ScriptModule, System.Web.Extensions, Version=3.5.0.0,
Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
    <add name="SequenceAuthenticationModule"
type="PNMsoft.Sequence.Web.AuthenticationModule, PNMsoft.Sequence.Web,
Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1" />
    <add name="SequenceModule"
type="PNMsoft.Sequence.Web.WorkflowEngineHttpModule, PNMsoft.Sequence.Web,
Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1" />
    <add name="SequenceFormsModule"
type="PNMsoft.Sequence.Forms.Web.AspFormsHttpModule, PNMsoft.Sequence.Forms,
Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1" />
    <add name="RadUploadModule" preCondition="integratedMode"
type="PNMsoft.Rad.Web.UI.RadUploadHttpModule, PNMsoft.Rad.Web.UI,
Version=2012.03.1017.0, Culture=neutral, PublicKeyToken=29ac1a93ec063d92" />
    <add name="RadUploadModule8" preCondition="integratedMode"
type="PNMsoft.Rad.Web.UI.RadUploadHttpModule, PNMsoft.Rad.Web.UI.v8,
Version=2016.1.113.0, Culture=neutral, PublicKeyToken=29ac1a93ec063d92" />
  </modules>
  <handlers>
    <remove name="WebServiceHandlerFactory-Integrated" />
    <remove name="ScriptHandlerFactory" />
    <remove name="ScriptHandlerFactoryAppServices" />
    <remove name="ScriptResource" />
    <remove name="svc-Integrated" />
    <remove name="AdvancedComboItems" />
    <remove name="ClientHelper" />
    <remove name="DisplayImage" />
    <remove name="FilteredComboItems" />
    <remove name="GetSPComboItems" />
    <remove name="ListFieldItems" />
    <remove name="MemberInfo" />
    <remove name="DisplayUserPicture" />
```

```
        <remove name="PNMsoft.Rad_RadUploadProgressHandler_ashx_v8" />

        <remove name="PNMsoft.Rad.Web.UI.WebResource_v8" />

        <remove name="PNMsoft.Rad.Web.UI.DialogHandler_aspx_v8" />

        <remove name="PNMsoft.Sequence.Forms.Web.UI.WebResource_v8" />

        <remove name="PNMsoft.Rad_RadUploadProgressHandler_ashx" />

        <remove name="PNMsoft.Rad.Web.UI.WebResource" />

        <remove name="PNMsoft.Sequence.Forms.Web.UI.WebResource" />

        <remove name="PNMsoft.Rad.Web.UI.DialogHandler_aspx" />



        <add name="ScriptHandlerFactory" verb="*" path="*.asmx"
preCondition="integratedMode" type="System.Web.Script.Services.ScriptHandlerFactory,
System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" />

        <add name="ScriptHandlerFactoryAppServices" verb="*" path="*_AppService.axd"
preCondition="integratedMode" type="System.Web.Script.Services.ScriptHandlerFactory,
System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" />

        <add name="ScriptResource" preCondition="integratedMode" verb="GET,HEAD"
path="ScriptResource.axd" type="System.Web.Handlers.ScriptResourceHandler,
System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" />

        <add name="AdvancedComboItems" path="AdvancedComboItems.axd"
type="PNMsoft.Sequence.Web.Forms.AdvancedComboItemsHttpHandler,
PNMsoft.Sequence.Web, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" verb="POST, HEAD" />

        <add name="ClientHelper" path="ClientHelper.axd"
type="PNMsoft.Sequence.Web.ClientHelperHttpHandler, PNMsoft.Sequence.Web,
Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1" verb="GET, HEAD,
POST" />

        <add name="DisplayImage" path="DisplayImage.axd"
type="PNMsoft.Sequence.Web.DisplayImageHttpHandler, PNMsoft.Sequence.Web,
Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1" verb="GET, HEAD,
POST" />

        <add name="FilteredComboItems" path="FilteredComboItems.axd"
type="PNMsoft.Sequence.Web.Forms.FilteredComboItemsHttpHandler,
PNMsoft.Sequence.Web, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" verb="POST, HEAD" />

        <add name="GetSPComboItems" path="GetSPComboItems.axd"
type="PNMsoft.Sequence.Web.Forms.SPComboItemsHttpHandler, PNMsoft.Sequence.Web,
Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1" verb="POST, HEAD"
/>

        <add name="ListFieldItems" path="ListFieldItems.axd"
type="PNMsoft.Sequence.Forms.HtmlView.ListFieldHttpHandler,
PNMsoft.Sequence.Forms.HtmlView, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" verb="POST, HEAD" />
```

```xml
    <add name="MemberInfo" verb="GET, HEAD, POST" path="MemberInfo.axd"
type="PNMsoft.Sequence.Web.MemberInfoDetailsHttpHandler, PNMsoft.Sequence.Web,
Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1" />
    <add name="DisplayUserPicture" verb="GET, HEAD, POST"
path="DisplayUserPicture.axd"
type="PNMsoft.Sequence.Web.DisplayUserPictureHttpHandler, PNMsoft.Sequence.Web,
Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"
preCondition="integratedMode" />
    <add name="PNMsoft.Rad_RadUploadProgressHandler_ashx_v8" verb="*"
preCondition="integratedMode" path="PNMsoft.Rad.RadUploadProgressHandler.v8.ashx"
type="PNMsoft.Rad.Web.UI.RadUploadProgressHandler, PNMsoft.Rad.Web.UI.v8,
Version=2016.1.113.0, Culture=neutral, PublicKeyToken=29ac1a93ec063d92" />
    <add name="PNMsoft.Rad.Web.UI.WebResource_v8" preCondition="integratedMode"
path="PNMsoft.Rad.Web.UI.WebResource.v8.axd" verb="*"
type="PNMsoft.Rad.Web.UI.WebResource, PNMsoft.Rad.Web.UI.v8, Version=2016.1.113.0,
Culture=neutral, PublicKeyToken=29ac1a93ec063d92" />
    <add name="PNMsoft.Rad.Web.UI.DialogHandler_aspx_v8"
preCondition="integratedMode" verb="*" path="PNMsoft.Rad.Web.UI.DialogHandler.v8.aspx"
type="PNMsoft.Rad.Web.UI.DialogHandler, PNMsoft.Rad.Web.UI.v8, Version=2016.1.113.0,
Culture=neutral, PublicKeyToken=29ac1a93ec063d92"></add>
    <add name="PNMsoft.Sequence.Forms.Web.UI.WebResource_v8"
path="PNMsoft.Sequence.Forms.Web.UI.WebResource.v8.axd"
type="PNMsoft.Sequence.Forms.Web.UI.Controls.WebResource,
PNMsoft.Sequence.Forms.Web.v8, Version=8.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" verb="*" />


    <add name="PNMsoft.Rad_RadUploadProgressHandler_ashx" verb="*"
preCondition="integratedMode" path="PNMsoft.Rad.RadUploadProgressHandler.ashx"
type="PNMsoft.Rad.Web.UI.RadUploadProgressHandler, PNMsoft.Rad.Web.UI,
Version=2012.03.1017.0, Culture=neutral, PublicKeyToken=29ac1a93ec063d92" />
    <add name="PNMsoft.Rad.Web.UI.WebResource" preCondition="integratedMode"
path="PNMsoft.Rad.Web.UI.WebResource.axd" verb="*"
type="PNMsoft.Rad.Web.UI.WebResource, PNMsoft.Rad.Web.UI, Version=2012.03.1017.0,
Culture=neutral, PublicKeyToken=29ac1a93ec063d92" />
    <add name="PNMsoft.Sequence.Forms.Web.UI.WebResource"
path="PNMsoft.Sequence.Forms.Web.UI.WebResource.axd"
type="PNMsoft.Sequence.Forms.Web.UI.Controls.WebResource,
PNMsoft.Sequence.Forms.Web, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" verb="*" />
    <add name="PNMsoft.Rad.Web.UI.DialogHandler_aspx" preCondition="integratedMode"
verb="*" path="PNMsoft.Rad.Web.UI.DialogHandler.aspx"
type="PNMsoft.Rad.Web.UI.DialogHandler, PNMsoft.Rad.Web.UI, Version=2012.03.1017.0,
Culture=neutral, PublicKeyToken=29ac1a93ec063d92"></add>
  </handlers>
  <defaultDocument>
  <files>
    <remove value="Default.htm" />
    <remove value="Default.asp" />
    <remove value="index.htm" />
```

```xml
        <remove value="index.html" />
        <remove value="iisstart.htm" />
        <remove value="default.aspx" />
        <add value="Default.aspx" />
        <!--<add value="FormLogin.aspx"/>-->
      </files>
    </defaultDocument>
  </system.webServer>
  <runtime>
    <assemblyBinding xmlns="urn:schemas-microsoft-com:asm.v1">
      <dependentAssembly>
        <assemblyIdentity name="PNMsoft.Sequence" publicKeyToken="0a1a1b90c1c5dca1" />
        <bindingRedirect oldVersion="5.5.0.0-7.0.0.0" newVersion="8.0.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="PNMsoft.Sequence.Activities" publicKeyToken="0a1a1b90c1c5dca1" />
        <bindingRedirect oldVersion="5.5.0.0-7.0.0.0" newVersion="8.0.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="PNMsoft.Sequence.Activities.SharePoint" publicKeyToken="0a1a1b90c1c5dca1" />
        <bindingRedirect oldVersion="5.5.0.0-7.0.0.0" newVersion="8.0.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="PNMsoft.Sequence.Extensions" publicKeyToken="0a1a1b90c1c5dca1" />
        <bindingRedirect oldVersion="5.5.0.0-7.0.0.0" newVersion="8.0.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="PNMsoft.Sequence.SAPConnector" publicKeyToken="0a1a1b90c1c5dca1" />
        <bindingRedirect oldVersion="5.5.0.0-7.0.0.0" newVersion="8.0.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="PNMsoft.Sequence.Security" publicKeyToken="0a1a1b90c1c5dca1" />
        <bindingRedirect oldVersion="5.5.0.0-7.0.0.0" newVersion="8.0.0.0" />
      </dependentAssembly>
      <dependentAssembly>
        <assemblyIdentity name="PNMsoft.Sequence.HotOperations" publicKeyToken="0a1a1b90c1c5dca1" />
        <bindingRedirect oldVersion="5.5.0.0-7.0.0.0" newVersion="8.0.0.0" />
```

```
    </dependentAssembly>
    <dependentAssembly>
        <assemblyIdentity name="PNMsoft.Sequence.CrmConnector.Crm2011"
publicKeyToken="0a1a1b90c1c5dca1" />
        <bindingRedirect oldVersion="5.5.0.0-7.0.0.0" newVersion="8.0.0.0" />
    </dependentAssembly>
    <dependentAssembly>
        <assemblyIdentity name="PNMsoft.Sequence.CrmConnector"
publicKeyToken="0a1a1b90c1c5dca1" />
        <bindingRedirect oldVersion="5.5.0.0-7.0.0.0" newVersion="8.0.0.0" />
    </dependentAssembly>
    <dependentAssembly>
        <assemblyIdentity name="PNMsoft.Sequence.BuiltInCommands"
publicKeyToken="0a1a1b90c1c5dca1" />
        <bindingRedirect oldVersion="5.5.0.0-7.0.0.0" newVersion="8.0.0.0" />
    </dependentAssembly>
    <dependentAssembly>
        <assemblyIdentity name="PNMsoft.Sequence.Jobs.Activities"
publicKeyToken="0a1a1b90c1c5dca1" />
        <bindingRedirect oldVersion="5.5.0.0-7.0.0.0" newVersion="8.0.0.0" />
    </dependentAssembly>
    <dependentAssembly>
        <assemblyIdentity name="PNMsoft.Sequence.SharePointConnector"
publicKeyToken="0a1a1b90c1c5dca1" />
        <bindingRedirect oldVersion="5.5.0.0-7.0.0.0" newVersion="8.0.0.0" />
    </dependentAssembly>
    <dependentAssembly>
        <assemblyIdentity name="PNMsoft.Sequence.Forms"
publicKeyToken="0a1a1b90c1c5dca1" />
        <bindingRedirect oldVersion="5.5.0.0-7.0.0.0" newVersion="8.0.0.0" />
    </dependentAssembly>
    <dependentAssembly>
        <assemblyIdentity name="PNMsoft.Sequence.Activities.Extensions"
publicKeyToken="0a1a1b90c1c5dca1" />
        <bindingRedirect oldVersion="5.5.0.0-7.0.0.0" newVersion="8.0.0.0" />
    </dependentAssembly>
    <dependentAssembly>
        <assemblyIdentity name="PNMsoft.Sequence.Forms.Activities.Extensions"
publicKeyToken="0a1a1b90c1c5dca1" />
        <bindingRedirect oldVersion="5.5.0.0-7.0.0.0" newVersion="8.0.0.0" />
    </dependentAssembly>
    <dependentAssembly>
```

```xml
        <assemblyIdentity name="PNMsoft.Sequence.Analytics"
publicKeyToken="0a1a1b90c1c5dca1" />
        <bindingRedirect oldVersion="5.5.0.0-7.0.0.0" newVersion="8.0.0.0" />
    </dependentAssembly>
    <dependentAssembly>
        <assemblyIdentity name="PNMsoft.Sequence.SocialFeatures"
publicKeyToken="0a1a1b90c1c5dca1" />
        <bindingRedirect oldVersion="5.5.0.0-7.0.0.0" newVersion="8.0.0.0" />
    </dependentAssembly>
    <dependentAssembly>
        <assemblyIdentity name="PNMsoft.Sequence.Jobs.Listeners.Email.Activities"
publicKeyToken="0a1a1b90c1c5dca1" />
        <bindingRedirect oldVersion="5.5.0.0-7.0.0.0" newVersion="8.0.0.0" />
    </dependentAssembly>
    </assemblyBinding>
    <assemblyBinding appliesTo="v2.0.50727" xmlns="urn:schemas-microsoft-com:asm.v1">
    <dependentAssembly>
        <assemblyIdentity name="System.Web.Extensions"
publicKeyToken="31bf3856ad364e35" />
        <bindingRedirect oldVersion="1.0.0.0-1.1.0.0" newVersion="3.5.0.0" />
    </dependentAssembly>
    <dependentAssembly>
        <assemblyIdentity name="System.Web.Extensions.Design"
publicKeyToken="31bf3856ad364e35" />
        <bindingRedirect oldVersion="1.0.0.0-1.1.0.0" newVersion="3.5.0.0" />
    </dependentAssembly>
    </assemblyBinding>
  </runtime>
  <system.web.extensions>
    <scripting>
    <scriptResourceHandler enableCompression="false" enableCaching="true" />
    <webServices>
        <jsonSerialization maxJsonLength="2147483647" />
    </webServices>
    </scripting>
  </system.web.extensions>
  <system.diagnostics>
    <trace autoflush="true" indentsize="4" />
    <sources>
    <source name="sequence.runtime" switchName="sequence.runtime.switch"
switchType="System.Diagnostics.SourceSwitch">
        <listeners>
        <remove name="Default" />
```

```
<!--<add name="RuntimeLog"
type="PNMsoft.Sequence.Diagnostics.SvcFormatWorkflowRuntimeTraceListener,
PNMsoft.Sequence, Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"
traceDirectory="C:\Program Files\[CompanyName]\Shared Resources\RuntimeLogs"/>-->
        <add name="EventLogListener"
type="PNMsoft.Sequence.Diagnostics.EventLogTraceListenerEx, PNMsoft.Sequence,
Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"
initializeData="Flowtime Stand-alone">
          <filter type="System.Diagnostics.EventTypeFilter" initializeData="Warning" />
        </add>
      </listeners>
    </source>
    <source switchType="System.Diagnostics.SourceSwitch"
switchName="ObsTracingSwitch" name="sequence.obsTracing">
      <listeners>
        <remove name="Default" />
        <add traceData="tblTraceObs" type="PNMsoft.Sequence.Diagnostics.DbTraceListener,
PNMsoft.Sequence, Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"
name="DbListener" />
      </listeners>
    </source>
    </sources>
    <switches>
      <add name="sequence.runtime.switch" value="All" />
      <add value="All" name="ObsTracingSwitch" />
    </switches>
  </system.diagnostics>
</configuration>
```

For v7.6 to v8.0

The following is a sample of a full config file which is compatible with v7.6.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<configuration>
  <configSections>
    <sectionGroup name="system.web.extensions"
type="System.Web.Configuration.SystemWebExtensionsSectionGroup, System.Web.Extensions,
Version=3.5.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35">
      <sectionGroup name="scripting"
type="System.Web.Configuration.ScriptingSectionGroup, System.Web.Extensions,
Version=3.5.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35">
        <section name="scriptResourceHandler"
type="System.Web.Configuration.ScriptingScriptResourceHandlerSection,
System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" requirePermission="false"
allowDefinition="MachineToApplication"/>
        <sectionGroup name="webServices"
type="System.Web.Configuration.ScriptingWebServicesSectionGroup,
```

```xml
System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35">
        <section name="jsonSerialization"
type="System.Web.Configuration.ScriptingJsonSerializationSection,
System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" requirePermission="false"
allowDefinition="Everywhere"/>
        <section name="profileService"
type="System.Web.Configuration.ScriptingProfileServiceSection, System.Web.Extensions,
Version=3.5.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35"
requirePermission="false" allowDefinition="MachineToApplication"/>
        <section name="authenticationService"
type="System.Web.Configuration.ScriptingAuthenticationServiceSection,
System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" requirePermission="false"
allowDefinition="MachineToApplication"/>
        <section name="roleService"
type="System.Web.Configuration.ScriptingRoleServiceSection, System.Web.Extensions,
Version=3.5.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35"
requirePermission="false" allowDefinition="MachineToApplication"/>
      </sectionGroup>
    </sectionGroup>
  </sectionGroup>
  <sectionGroup name="applicationSettings"
type="System.Configuration.ApplicationSettingsGroup, System, Version=2.0.0.0,
Culture=neutral, PublicKeyToken=b77a5c561934e089">
    <section name="PNMsoft.Sequence.ReportServer.Properties.Settings"
type="System.Configuration.ClientSettingsSection, System, Version=2.0.0.0,
Culture=neutral, PublicKeyToken=b77a5c561934e089" requirePermission="false"/>
  </sectionGroup>
  <sectionGroup name="sequence.engine"
type="PNMsoft.Sequence.Configuration.WorkflowEngineConfigurationSectionGroup,
PNMsoft.Sequence, Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1">
    <section name="authentication"
type="PNMsoft.Sequence.Security.Configuration.AuthenticationConfigurationSection,
PNMsoft.Sequence.Security, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
    <section name="workflowExecution"
type="PNMsoft.Sequence.Configuration.WorkflowExecutionServiceConfigurationSection,
PNMsoft.Sequence, Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"
allowDefinition="MachineToApplication"/>
    <section name="notifications"
type="PNMsoft.Sequence.Configuration.NotificationServiceConfigurationSection,
PNMsoft.Sequence, Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"
allowDefinition="MachineToApplication"/>
    <section name="dynamicProxyRuntime"
type="PNMsoft.Sequence.Dynamic.Configuration.DynamicProxyRuntimeConfigurationSection,
PNMsoft.Sequence.Dynamic, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
    <section name="services"
type="PNMsoft.Sequence.Configuration.WorkflowEngineServiceConfigurationSection,
PNMsoft.Sequence, Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"
allowDefinition="MachineToApplication"/>
    <section name="persistence"
type="PNMsoft.Sequence.Configuration.WorkflowEnginePersistenceConfigurationSection,
PNMsoft.Sequence, Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"
allowDefinition="MachineToApplication"/>
```

```xml
        <section name="obs"
type="PNMsoft.Sequence.Configuration.ObsConfigurationSection, PNMsoft.Sequence,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"/>
        <sectionGroup name="activities"
type="PNMsoft.Sequence.Configuration.ActivitiesConfigurationSection, PNMsoft.Sequence,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1">
        </sectionGroup>
        <section name="forms"
type="PNMsoft.Sequence.Configuration.FormsConfigurationSection, PNMsoft.Sequence,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"/>
        <section name="mimeTypes"
type="PNMsoft.Sequence.Configuration.MimeTypesConfigurationSection, PNMsoft.Sequence,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"/>
        <section name="resources"
type="PNMsoft.Sequence.Configuration.ResourcesConfigurationSection, PNMsoft.Sequence,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"/>
        <section name="web"
type="PNMsoft.Sequence.Web.Configuration.WebConfigurationSection,
PNMsoft.Sequence.Web, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
      </sectionGroup>
  </configSections>
  <appSettings>
    <add key="PNMsoft.Rad.Web.UI.ResourcePath" value="~/Shared
Resources/Resources/Sequence/Rad"/>
    <add key="sequence.clientHelper.enableUncontrolledQueries" value="false"/>
    <add key="PNMsoft.Sequence.Forms.Web.UI.FormControl.Theme" value="Metro"/>
    <add key="PNMsoft.Sequence.Forms.Web.UI.FormControl.Theme.Controls.Skin"
value="Metro"/>
    <add key="PNMsoft.Sequence.Forms.AttachmentLinkExpiration" value="180"/>
    <add key="PNMsoft.Sequence.Flowtime.Theme" value="default"/>
  </appSettings>
  <sequence.engine>
    <authentication impersonate="true">
      <providers>
        <add type="PNMsoft.Sequence.Security.WindowsAuthenticationProvider,
PNMsoft.Sequence.Runtime, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
        <add type="PNMsoft.Sequence.Security.UsernameAuthenticationProvider,
PNMsoft.Sequence.Runtime, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
      </providers>
      <!--<forms enabled="true">
        <web loginUrl="~/_layouts/FormLogin.aspx" />
      </forms>-->
    </authentication>
    <workflowExecution redirectMode="Manual"/>
    <notifications/>
    <!-- Clear; Encrypted; Hashed -->
    <obs userCacheEnabled="true" userCacheCapacity="500" groupCacheEnabled="true"
groupCacheCapacity="500"/>
    <services>
      <add type="PNMsoft.Sequence.Runtime.AuthorizationService,
PNMsoft.Sequence.Runtime, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
      <add type="PNMsoft.Sequence.Data.Sql.SqlNotificationService,
PNMsoft.Sequence.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
```

```xml
        <add type="PNMsoft.Sequence.Runtime.WorkflowPersistenceService,
PNMsoft.Sequence.Runtime, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Runtime.WorkflowDefinitionService,
PNMsoft.Sequence.Runtime, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Runtime.WorkflowDesignService,
PNMsoft.Sequence.Runtime, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Runtime.WorkflowExecutionService,
PNMsoft.Sequence.Runtime, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Runtime.ObsService, PNMsoft.Sequence.Runtime,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Views.WorkflowCategoriesViewService,
PNMsoft.Sequence.Views, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Views.DelegatorsViewService, PNMsoft.Sequence.Views,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Views.DelegationsViewService,
PNMsoft.Sequence.Views, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Views.WorkflowTemplateViewService,
PNMsoft.Sequence.Views, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Views.WorkflowInstancesViewService,
PNMsoft.Sequence.Views, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Views.WorkflowActivityLogViewService,
PNMsoft.Sequence.Views, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" path="C:\Program Files\PNMsoft\Shared
Resources\Components\WorkflowLog\Config\WorkflowLog.config"></add>
        <add type="PNMsoft.Sequence.Views.MessageViewService, PNMsoft.Sequence.Views,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Administration.AdministrationService,
PNMsoft.Sequence.Administration, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Runtime.DelegationService, PNMsoft.Sequence.Runtime,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Runtime.Debug.WorkflowDebugService,
PNMsoft.Sequence.Runtime, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Runtime.BlobResourceService,
PNMsoft.Sequence.Runtime, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Runtime.WorkflowMessagingService,
PNMsoft.Sequence.Runtime, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Runtime.AuthenticationService,
PNMsoft.Sequence.Runtime, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Runtime.WorkflowDataPropagationService,
PNMsoft.Sequence.Runtime, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Runtime.WorkflowStatisticsService,
PNMsoft.Sequence.Runtime, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
```

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```xml
        <add type="PNMsoft.Sequence.Activities.SubWorkflowActivityListenerService,
PNMsoft.Sequence.Activities, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Monitoring.MonitoringService,
PNMsoft.Sequence.Monitoring, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Dynamic.DynamicProxyRuntime,
PNMsoft.Sequence.Dynamic, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Runtime.FormDefinitionService,
PNMsoft.Sequence.Runtime, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Runtime.FormDesignService, PNMsoft.Sequence.Runtime,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Views.GroupMessagesViewService,
PNMsoft.Sequence.Views, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Data.EntityModelWorkspaceService,
PNMsoft.Sequence.Extensions, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Flowtime.Services.FlowtimeEngineService,
PNMsoft.Sequence.Flowtime.Services, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
        <add type="PNMsoft.Sequence.Views.MessagesAggregationViewService,
PNMsoft.Sequence.Views, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Views.WorkflowInstancesAggregationViewService,
PNMsoft.Sequence.Views, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
    </services>
    <persistence>
      <database provider="System.Data.SqlClient"
credentials="dOtg/dWG6Q1TJDAvqHLX6YzTx1z6qrQoBRzyFXAUK78TsbSLWa1HxcYu6Rn/ow79V35R7wY/Y
c/D3SJpUNHIcQ==" connectionString="packet size=4096;data source=YourSQL;persist
security info=False;initial
catalog=YourSequenceDatabase;MultipleActiveResultSets=true;" commandTimeout="1200"/>
      <providers>
        <add type="PNMsoft.Sequence.Data.Sql.SqlAuthenticationDataProvider,
PNMsoft.Sequence.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Data.Sql.SqlAuthorizationDataProvider,
PNMsoft.Sequence.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Data.WorkflowDefinitionDataProvider,
PNMsoft.Sequence.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Data.Sql.SqlWorkflowExecutionDataProvider,
PNMsoft.Sequence.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Data.DbSystemDataSourceProvider,
PNMsoft.Sequence.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Data.Sql.SqlObsDataProvider,
PNMsoft.Sequence.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Views.Data.Sql.SqlMessagesViewDataProvider,
PNMsoft.Sequence.Views.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
```

```
        <add
type="PNMsoft.Sequence.Views.Data.Sql.SqlWorkflowInstancesViewDataProvider,
PNMsoft.Sequence.Views.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Views.Data.Sql.SqlDelegatorsViewDataProvider,
PNMsoft.Sequence.Views.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Views.Data.Sql.SqlDelegationsViewDataProvider,
PNMsoft.Sequence.Views.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add
type="PNMsoft.Sequence.Views.Data.Sql.SqlWorkflowTemplatesViewDataProvider,
PNMsoft.Sequence.Views.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add
type="PNMsoft.Sequence.Views.Data.Sql.SqlWorkflowActivityLogViewDataProvider,
PNMsoft.Sequence.Views.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add
type="PNMsoft.Sequence.Views.Data.Sql.SqlWorkflowCategoriesViewDataProvider,
PNMsoft.Sequence.Views.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add
type="PNMsoft.Sequence.Administration.Data.Sql.SqlAdministrationDataProvider,
PNMsoft.Sequence.Administration.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Data.Sql.SqlWorkflowDebugDataProvider,
PNMsoft.Sequence.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Data.Sql.SqlMessagingDataProvider,
PNMsoft.Sequence.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Data.Sql.SqlDelegationDataProvider,
PNMsoft.Sequence.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Monitoring.Data.Sql.SqlMonitoringDataProvider,
PNMsoft.Sequence.Monitoring.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add blobType="Image"
type="PNMsoft.Sequence.Data.Sql.SqlImageResourceProvider, PNMsoft.Sequence.Data,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Data.Sql.SqlOcaAuthenticationDataProvider,
PNMsoft.Sequence.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Data.Sql.SqlAttachmentsDataProvider,
PNMsoft.Sequence.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"></add>
        <add type="PNMsoft.Sequence.Data.Sql.SqlWorkflowStatisticsDataProvider,
PNMsoft.Sequence.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
        <add
type="PNMsoft.Sequence.Views.Data.Sql.SqlMessagesAggregationViewDataProvider,
PNMsoft.Sequence.Views.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
        <add
type="PNMsoft.Sequence.Views.Data.Sql.SqlWorkflowInstancesAggregationViewDataProvider,
PNMsoft.Sequence.Views.Data, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
    </providers>
```

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```xml
        </persistence>
        <dynamicProxyRuntime>
          <providers>
            <add name="WebServiceConsumerProvider"
type="PNMsoft.Sequence.Web.Services.WebServiceConsumerProxyFactoryProvider,
PNMsoft.Sequence.Web.Services, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
            <add name="WebServiceListenerProvider"
type="PNMsoft.Sequence.Web.Services.WebServiceListenerProxyFactoryProvider,
PNMsoft.Sequence.Web.Services, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
            <add name="ExternalServiceConsumerProvider"
type="PNMsoft.Sequence.Externals.ExternalServiceProxyFactoryProvider,
PNMsoft.Sequence.Externals, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
            <add name="WcfServiceConsumerProvider"
type="PNMsoft.Sequence.ServiceModel.ServiceConsumerProxyFactoryProvider,
PNMsoft.Sequence.ServiceModel, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
          </providers>
        </dynamicProxyRuntime>
        <forms>
          <validationExtensionTypes>
            <add type="PNMsoft.Sequence.Forms.FileUploadFieldMimeTypeValidationExtension,
PNMsoft.Sequence, Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"/>
          </validationExtensionTypes>
        </forms>
        <mimeTypes fileLocation="C:\Program Files\PNMsoft\Shared
Resources\Configuration\MimeTypes.config" reloadOnChanges="false"/>
        <resources resXFilesLocation="C:\Program Files\PNMsoft\Shared
Resources\Resources\"/>
        <activities>
        </activities>
        <web>
          <security>
            <xsrfProtection tokenCookieName="_AntiXsrfToken" enabled="true"
throwOnFailure="true"/>
          </security>
          <pageAdapters>
            <add name="XsrfProtectionTokenPageAdapterFactory"
type="PNMsoft.Sequence.Web.UI.Security.XsrfProtectionPageAdapterFactory,
PNMsoft.Sequence.Web, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
          </pageAdapters>
        </web>
      </sequence.engine>
      <connectionStrings/>
      <location path="SequenceServices">
        <system.web>
          <httpHandlers>
            <remove verb="*" path=".asmx"/>
            <add verb="*" path="*.asmx" validate="false"
type="PNMsoft.Sequence.Web.Services.WebServiceListenerHttpHandlerFactory,
PNMsoft.Sequence.Web.Services, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
          </httpHandlers>
        </system.web>
      </location>
      <location path="SequenceServices/OData">
```

```
<system.web>
  <httpHandlers>
    <remove verb="*" path=".svc"/>
    <add verb="*" path="*.svc" validate="false"
type="PNMsoft.Sequence.Data.Services.Activation.EntityDataServiceHttpHandler,
PNMsoft.Sequence.Data.Services, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
  </httpHandlers>
</system.web>
</location>
<location path="SequenceForms">
  <system.web>
    <compilation batch="false">
      <expressionBuilders>
        <add expressionPrefix="sq"
type="PNMsoft.Sequence.Web.Compilation.SqExpressionBuilder,
PNMsoft.Sequence.Extensions, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
      </expressionBuilders>
    </compilation>
    <pages compilationMode="Auto"
pageParserFilterType="PNMsoft.Sequence.Forms.Web.UI.FormControlParserFilter,
PNMsoft.Sequence.Forms, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1">
      <controls>
        <add tagPrefix="sq" namespace="PNMsoft.Sequence.Web.UI"
assembly="PNMsoft.Sequence.Extensions, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
        <add tagPrefix="sq" namespace="PNMsoft.Sequence.Forms.Web.UI"
assembly="PNMsoft.Sequence.Forms, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
        <add tagPrefix="sq" namespace="PNMsoft.Sequence.Forms.Web.UI.Controls"
assembly="PNMsoft.Sequence.Forms.Web, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
        <add tagPrefix="sqr" namespace="PNMsoft.Rad.Web.UI"
assembly="PNMsoft.Rad.Web.UI, Version=2012.03.1017.0, Culture=neutral,
PublicKeyToken=29ac1a93ec063d92"/>
      </controls>
    </pages>
  </system.web>
</location>
<location path="PNMsoft.Rad.RadUploadProgressHandler.ashx">
  <system.web>
    <authorization>
      <allow users="*"/>
    </authorization>
  </system.web>
</location>
<location path="PNMsoft.Rad.Web.UI.WebResource.axd">
  <system.web>
    <authorization>
      <allow users="*"/>
    </authorization>
  </system.web>
</location>
<system.web>
  <!--
        Set compilation debug="true" to insert debugging
        symbols into the compiled page. Because this
```

```
            affects performance, set this value to true only
            during development.
        -->
    <compilation defaultLanguage="c#" debug="true">
      <assemblies>
        <add assembly="System.Core, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=B77A5C561934E089"/>
        <add assembly="System.Data.DataSetExtensions, Version=3.5.0.0,
Culture=neutral, PublicKeyToken=B77A5C561934E089"/>
        <add assembly="System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35"/>
        <add assembly="System.Xml.Linq, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=B77A5C561934E089"/>
        <add assembly="PNMsoft.Sequence.Security, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
        <add assembly="PNMsoft.Sequence, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
        <add assembly="PNMsoft.Rad.Web.UI, Version=2012.03.1017.0, Culture=neutral,
PublicKeyToken=29ac1a93ec063d92"/>
        <add assembly="AjaxControlToolkit, Version=3.5.50508.0, Culture=neutral,
PublicKeyToken=28f01b0e84b6d53e"/>
      </assemblies>
      <buildProviders>
        <add extension=".sqasmx"
type="PNMsoft.Sequence.Web.Services.Compilation.WebServiceListenerBuildProvider,
PNMsoft.Sequence.Web.Services, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
      </buildProviders>
    </compilation>
    <!--
            The <authentication> section enables configuration
            of the security authentication mode used by
            ASP.NET to identify an incoming user.
        -->
    <webServices>
      <protocols>
        <add name="HttpPost"/>
        <add name="HttpGet"/>
      </protocols>
      <soapExtensionTypes>
        <!--<add
type="PNMsoft.Sequence.Web.Services.Diagnostics.SoapMessageTraceSoapExtension,
PNMsoft.Sequence.Web.Services, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" />-->
      </soapExtensionTypes>
    </webServices>
    <authentication mode="Windows"/>
    <identity impersonate="false"/>
    <authorization>
      <allow users="*"/>
    </authorization>
    <trace enabled="false" requestLimit="10000" pageOutput="true"
traceMode="SortByTime" localOnly="false"/>
    <sessionState mode="InProc" cookieless="false" timeout="601"/>
    <globalization culture="en-GB" uiCulture="en-GB" requestEncoding="utf-8"
responseEncoding="utf-8" fileEncoding="utf-8"/>
    <!--
            The <customErrors> section enables configuration
            of what to do if/when an unhandled error occurs
```

```
                during the execution of a request. Specifically,
                it enables developers to configure html error pages
                to be displayed in place of a error stack trace.

            -->
    <customErrors mode="On" defaultRedirect="GenericErrorPage.htm">
        <error statusCode="403" redirect="NoAccess.htm"/>
        <error statusCode="404" redirect="FileNotFound.htm"/>
    </customErrors>
    <pages validateRequest="false" enableEventValidation="false"
enableViewStateMac="false">
        <controls>
            <add tagPrefix="asp" namespace="System.Web.UI"
assembly="System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35"/>
            <add tagPrefix="asp" namespace="System.Web.UI.WebControls"
assembly="System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35"/>
            <add tagPrefix="ajaxToolkit" namespace="AjaxControlToolkit"
assembly="AjaxControlToolkit, Version=3.5.50508.0, Culture=neutral,
PublicKeyToken=28f01b0e84b6d53e"/>
            <add tagPrefix="seq" namespace="PNMsoft.Sequence.Runtime.UI.Controls"
assembly="PNMsoft.Sequence.Runtime.UI.Controls, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
            <add tagPrefix="sqr" namespace="PNMsoft.Rad.Web.UI"
assembly="PNMsoft.Rad.Web.UI, Version=2012.03.1017.0, Culture=neutral,
PublicKeyToken=29ac1a93ec063d92"/>
            <add tagPrefix="sq" namespace="PNMsoft.Sequence.Forms.Web.UI.Controls"
assembly="PNMsoft.Sequence.Forms.Web, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
            <add tagPrefix="sq" namespace="PNMsoft.Sequence.Web.UI"
assembly="PNMsoft.Sequence.Extensions, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
            <add tagPrefix="sq" namespace="PNMsoft.Sequence.Linq.Web.UI"
assembly="PNMsoft.Sequence.Linq, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
        </controls>
    </pages>
    <httpRuntime maxRequestLength="4096" executionTimeout="1200"/>
    <xhtmlConformance mode="Transitional"/>
  </system.web>
  <system.serviceModel>
    <serviceHostingEnvironment aspNetCompatibilityEnabled="true" />

    <services>
      <service name="PNMsoft.Sequence.Flowtime.Services.Messages.UserMessagesService">
        <endpoint address="" binding="webHttpBinding"
bindingConfiguration="webHttpBinding"
contract="PNMsoft.Sequence.Flowtime.Services.Messages.IUserMessagesService" />
      </service>
      <service
name="PNMsoft.Sequence.Flowtime.Services.Messages.GroupMessagesService">
        <endpoint address="" binding="webHttpBinding"
bindingConfiguration="webHttpBinding"
contract="PNMsoft.Sequence.Flowtime.Services.Messages.IGroupMessagesService" />
      </service>
      <service
name="PNMsoft.Sequence.Flowtime.Services.Instances.UserInstancesService">
```

```xml
        <endpoint address="" binding="webHttpBinding"
bindingConfiguration="webHttpBinding"
contract="PNMsoft.Sequence.Flowtime.Services.Instances.IUserInstancesService" />
      </service>
      <service
name="PNMsoft.Sequence.Flowtime.Services.Instances.ProcessInstancesService">
        <endpoint address="" binding="webHttpBinding"
bindingConfiguration="webHttpBinding"
contract="PNMsoft.Sequence.Flowtime.Services.Instances.IProcessInstancesService" />
      </service>
      <service name="PNMsoft.Sequence.Flowtime.Services.Delegation.DelegationService">
        <endpoint address="" binding="webHttpBinding"
bindingConfiguration="webHttpBinding"
contract="PNMsoft.Sequence.Flowtime.Services.Delegation.IDelegationService" />
      </service>
      <service name="PNMsoft.Sequence.Flowtime.Services.Delegators.DelegatorsService">
        <endpoint address="" binding="webHttpBinding"
bindingConfiguration="webHttpBinding"
contract="PNMsoft.Sequence.Flowtime.Services.Delegators.IDelegatorsService" />
      </service>
    </services>

    <bindings>
      <webHttpBinding>
        <binding name="webHttpBinding">
          <security mode="TransportCredentialOnly">
            <transport clientCredentialType="Windows" />
          </security>
        </binding>
      </webHttpBinding>
    </bindings>

  </system.serviceModel>
  <system.codedom>
    <compilers>
      <compiler language="c#;cs;csharp" extension=".cs" warningLevel="4"
type="Microsoft.CSharp.CSharpCodeProvider, System, Version=2.0.0.0, Culture=neutral,
PublicKeyToken=b77a5c561934e089">
        <providerOption name="CompilerVersion" value="v3.5"/>
        <providerOption name="WarnAsError" value="false"/>
      </compiler>
    </compilers>
  </system.codedom>
  <!--
      The system.webServer section is required for running ASP.NET AJAX under
Internet Information Services 7.0.  It is not necessary for previous versions of IIS.
    -->
  <system.webServer>
    <validation validateIntegratedModeConfiguration="false"/>
    <modules>
      <remove name="ScriptModule"/>
      <add name="ScriptModule" preCondition="managedHandler"
type="System.Web.Handlers.ScriptModule, System.Web.Extensions, Version=3.5.0.0,
Culture=neutral, PublicKeyToken=31BF3856AD364E35"/>
      <add name="SequenceAuthenticationModule"
type="PNMsoft.Sequence.Web.AuthenticationModule, PNMsoft.Sequence.Web,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"/>
```

```xml
      <add name="SequenceModule" type="PNMsoft.Sequence.Web.WorkflowEngineHttpModule,
PNMsoft.Sequence.Web, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1"/>
      <add name="SequenceFormsModule"
type="PNMsoft.Sequence.Forms.Web.AspFormsHttpModule, PNMsoft.Sequence.Forms,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"/>
      <add name="RadUploadModule" preCondition="integratedMode"
type="PNMsoft.Rad.Web.UI.RadUploadHttpModule, PNMsoft.Rad.Web.UI,
Version=2012.03.1017.0, Culture=neutral, PublicKeyToken=29ac1a93ec063d92"/>
    </modules>
    <handlers accessPolicy="Read, Script">
      <remove name="WebServiceHandlerFactory-Integrated"/>
      <remove name="ScriptHandlerFactory"/>
      <remove name="ScriptHandlerFactoryAppServices"/>
      <remove name="ScriptResource"/>
      <add name="ScriptHandlerFactory" verb="*" path="*.asmx"
preCondition="integratedMode" type="System.Web.Script.Services.ScriptHandlerFactory,
System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35"/>
      <add name="ScriptHandlerFactoryAppServices" verb="*" path="*_AppService.axd"
preCondition="integratedMode" type="System.Web.Script.Services.ScriptHandlerFactory,
System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35"/>
      <add name="ScriptResource" preCondition="integratedMode" verb="GET,HEAD"
path="ScriptResource.axd" type="System.Web.Handlers.ScriptResourceHandler,
System.Web.Extensions, Version=3.5.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35"/>
      <add name="PNMsoft.Rad_RadUploadProgressHandler_ashx" verb="*"
preCondition="integratedMode" path="PNMsoft.Rad.RadUploadProgressHandler.ashx"
type="PNMsoft.Rad.Web.UI.RadUploadProgressHandler, PNMsoft.Rad.Web.UI,
Version=2012.03.1017.0, Culture=neutral, PublicKeyToken=29ac1a93ec063d92"/>
      <add name="PNMsoft.Rad.Web.UI.WebResource" preCondition="integratedMode"
path="PNMsoft.Rad.Web.UI.WebResource.axd" verb="*"
type="PNMsoft.Rad.Web.UI.WebResource, PNMsoft.Rad.Web.UI, Version=2012.03.1017.0,
Culture=neutral, PublicKeyToken=29ac1a93ec063d92"/>
      <add name="AdvancedComboItems" path="AdvancedComboItems.axd"
type="PNMsoft.Sequence.Web.Forms.AdvancedComboItemsHttpHandler, PNMsoft.Sequence.Web,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1" verb="POST, HEAD"/>
      <add name="ClientHelper" path="ClientHelper.axd"
type="PNMsoft.Sequence.Web.ClientHelperHttpHandler, PNMsoft.Sequence.Web,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1" verb="GET, HEAD,
POST"/>
      <add name="DisplayImage" path="DisplayImage.axd"
type="PNMsoft.Sequence.Web.DisplayImageHttpHandler, PNMsoft.Sequence.Web,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1" verb="GET, HEAD,
POST"/>
      <add name="FilteredComboItems" path="FilteredComboItems.axd"
type="PNMsoft.Sequence.Web.Forms.FilteredComboItemsHttpHandler, PNMsoft.Sequence.Web,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1" verb="POST, HEAD"/>
      <add name="GetSPComboItems" path="GetSPComboItems.axd"
type="PNMsoft.Sequence.Web.Forms.SPComboItemsHttpHandler, PNMsoft.Sequence.Web,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1" verb="POST, HEAD"/>
      <add name="ListFieldItems" path="ListFieldItems.axd"
type="PNMsoft.Sequence.Forms.HtmlView.ListFieldHttpHandler,
PNMsoft.Sequence.Forms.HtmlView, Version=7.0.0.0, Culture=neutral,
PublicKeyToken=0a1a1b90c1c5dca1" verb="POST, HEAD"/>
      <add name="MemberInfo" verb="GET, HEAD, POST" path="MemberInfo.axd"
type="PNMsoft.Sequence.Web.MemberInfoDetailsHttpHandler, PNMsoft.Sequence.Web,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"/>
```

```xml
        <add name="PNMsoft.Sequence.Forms.Web.UI.WebResource"
path="PNMsoft.Sequence.Forms.Web.UI.WebResource.axd"
type="PNMsoft.Sequence.Forms.Web.UI.Controls.WebResource, PNMsoft.Sequence.Forms.Web,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1" verb="*"/>
        <add name="DisplayUserPicture" verb="GET, HEAD, POST"
path="DisplayUserPicture.axd"
type="PNMsoft.Sequence.Web.DisplayUserPictureHttpHandler, PNMsoft.Sequence.Web,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"
preCondition="integratedMode"/>
      </handlers>
      <defaultDocument>
        <files>
          <clear/>
          <add value="Default.asp"/>
          <!--<add value="FormLogin.aspx"/>-->
        </files>
      </defaultDocument>
      <directoryBrowse enabled="false"/>
      <httpErrors>
        <clear/>
      </httpErrors>
    </system.webServer>
    <runtime>
      <assemblyBinding appliesTo="v2.0.50727" xmlns="urn:schemas-microsoft-com:asm.v1">
        <dependentAssembly>
          <assemblyIdentity name="System.Web.Extensions"
publicKeyToken="31bf3856ad364e35"/>
          <bindingRedirect oldVersion="1.0.0.0-1.1.0.0" newVersion="3.5.0.0"/>
        </dependentAssembly>
        <dependentAssembly>
          <assemblyIdentity name="System.Web.Extensions.Design"
publicKeyToken="31bf3856ad364e35"/>
          <bindingRedirect oldVersion="1.0.0.0-1.1.0.0" newVersion="3.5.0.0"/>
        </dependentAssembly>
      </assemblyBinding>
    </runtime>
    <system.web.extensions>
      <scripting>
        <scriptResourceHandler enableCompression="false" enableCaching="true"/>
        <webServices>
          <jsonSerialization maxJsonLength="2147483647"/>
        </webServices>
      </scripting>
    </system.web.extensions>
    <system.diagnostics>
      <trace autoflush="true" indentsize="4"/>
      <sources>
        <source name="sequence.runtime" switchName="SourceSwitch"
switchType="System.Diagnostics.SourceSwitch">
          <listeners>
            <remove name="Default"/>
            <!--<add name="RuntimeLog"
type="PNMsoft.Sequence.Diagnostics.SvcFormatWorkflowRuntimeTraceListener,
PNMsoft.Sequence, Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"
traceDirectory="C:\temp\Logs"/>-->
            <add name="EventLogListener"
type="PNMsoft.Sequence.Diagnostics.EventLogTraceListenerEx, PNMsoft.Sequence,
Version=7.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1"
initializeData="Panam">
```

```xml
                <filter type="System.Diagnostics.EventTypeFilter"
initializeData="Warning"/>
            </add>
        </listeners>
    </source>
    <source switchType="System.Diagnostics.SourceSwitch"
switchName="ObsTracingSwitch" name="sequence.obsTracing">
        <listeners>
            <remove name="Default"/>
            <add traceData="tblTraceObs"
type="PNMsoft.Sequence.Diagnostics.DbTraceListener, PNMsoft.Sequence, Version=7.0.0.0,
Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1" name="DbListener"/>
        </listeners>
    </source>
  </sources>
  <switches>
    <add name="SourceSwitch" value="All"/>
    <add value="All" name="ObsTracingSwitch"/>
  </switches>
  </system.diagnostics>
</configuration>
```