



ramco



Ramco Aviation Solution

Version 5.8

Installation Manual

Internet Information Server (IIS) 8.0 Settings -
Ramco Aviation Solution

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Revision History

Version	Date	Author	Description
1.0	30/12/2010	Vinoth Kumar K	Created
1.3	28/03/2013	Vinoth Kumar K	Modified for Windows 2012 and SQL 2012 Environments

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1. Introduction

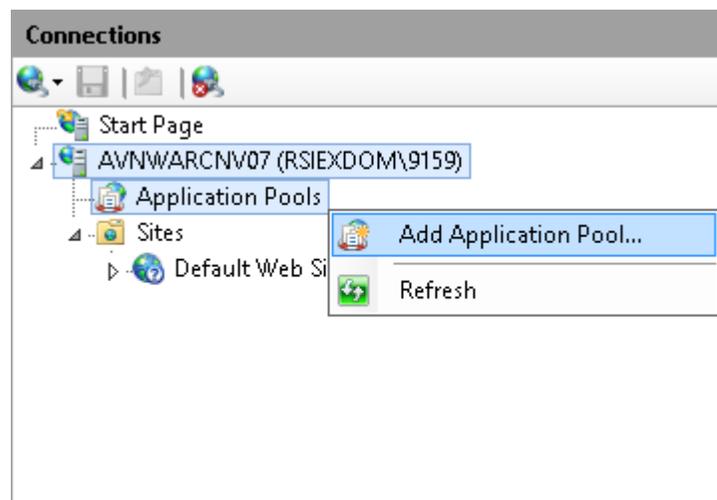
This installation guide provides necessary guidelines and steps that have to be followed for configuring the Internet Information Server (IIS) 8.0 related to the Ramco Aviation Solution. IIS could be launched through Administrative Tools → Internet Information Service(IIS) Manager (or) Run Command → Type "inetmgr" → Click **Ok**.

This comprises the following configurations:

- Creating and Settings properties for Application Pool
- Creating and Settings properties for Virtual Directory
- Default Document Settings
- Mime Type Settings

1.1 Creating and Setting Properties for Application Pool

To create Application Pool in IIS, Go to Web Server. Expand the Server menu from the Connection Tree (in the left pane) and click "**Application Pools**", as shown in the below screenshot.

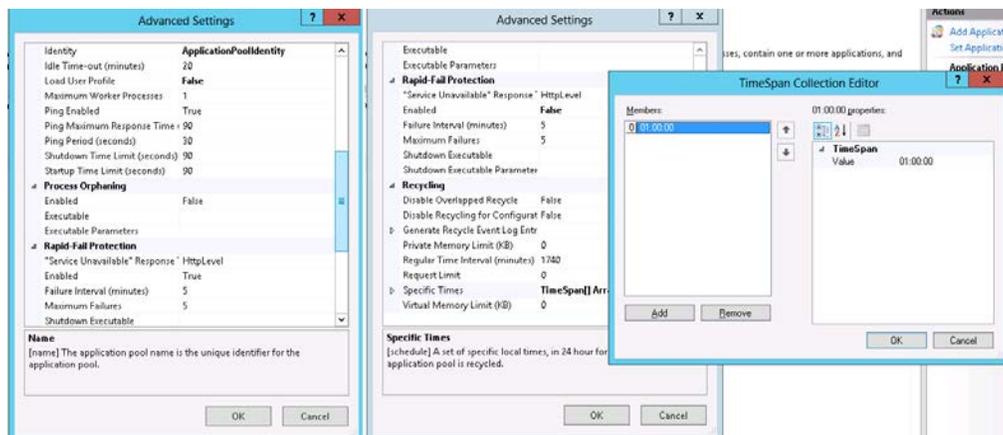
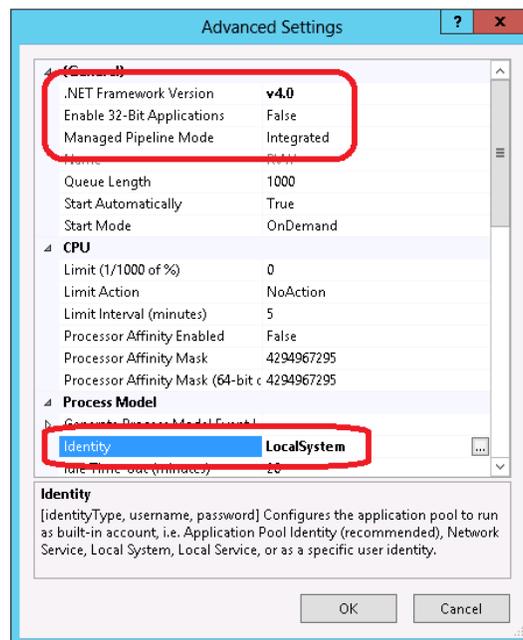


1. Click **Add Application Pool...**
2. Provide Application Pool name as **EXTUI**
3. Set .Net Framework Version as ".Net Framework V4.0.30319". This is mandatory to make EXTUI work with Windows 2012 server.
4. Set the Managed pipeline mode to "Integrated"

Once the Application Pool is created, select the “Application pool” Name and click Advanced Settings. It will open a properties window as shown in the below screenshot.

Set the properties as highlighted.

1. .Net Framework Version to v4.0
2. Enable 32-Bit Applications to False.
3. Ensure Managed Pipeline Mode to “Integrated”.
4. Under the Process Model, set “Identity” to “LocalSystem”.
5. Set ‘Idle Time-out (Minutes)’ to 60 (recommended value). It can be changed as required.

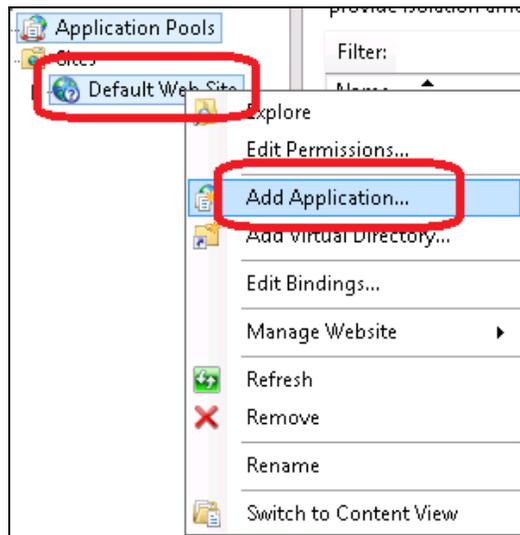


- Click on Specific Times and select the TimeSpan[] Array. In the new window that opens up, click on Add and change the value on the right side to 01:00:00 (01.00 AM). This means that the IIS worker process will be restarted at 1 AM every day. This can be changed as per the customer's requirement.

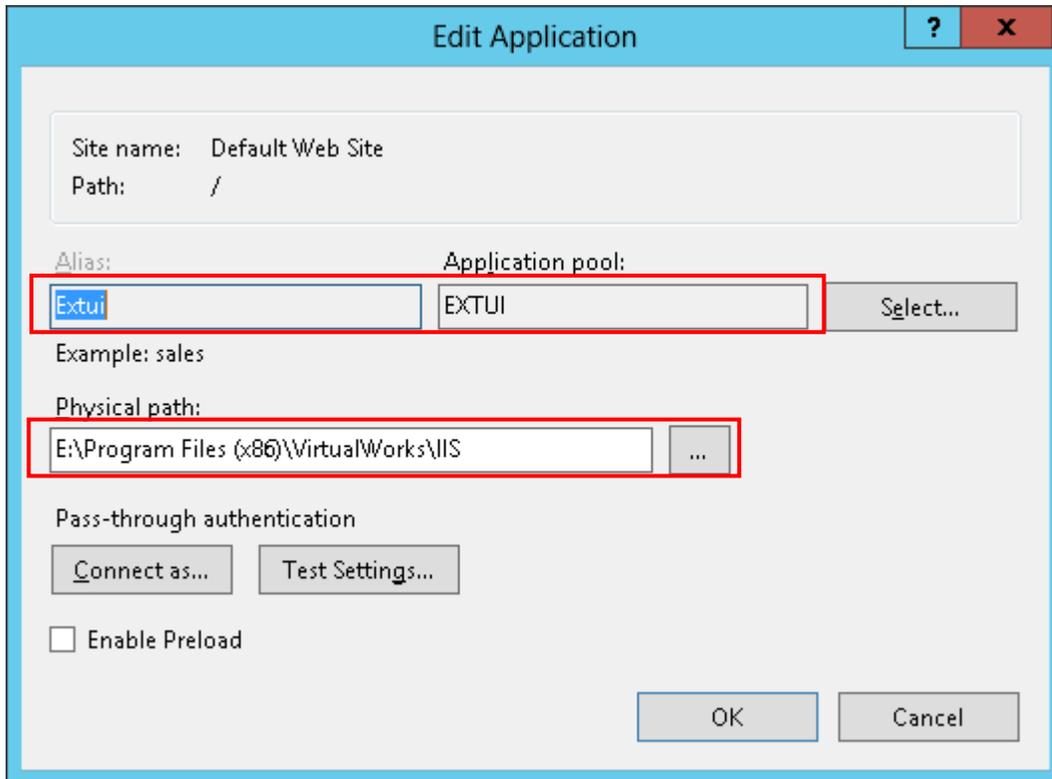
1.2 Creating and Setting Properties for Virtual Directory

Follow the steps given below to create the virtual directory manually in Web Server.

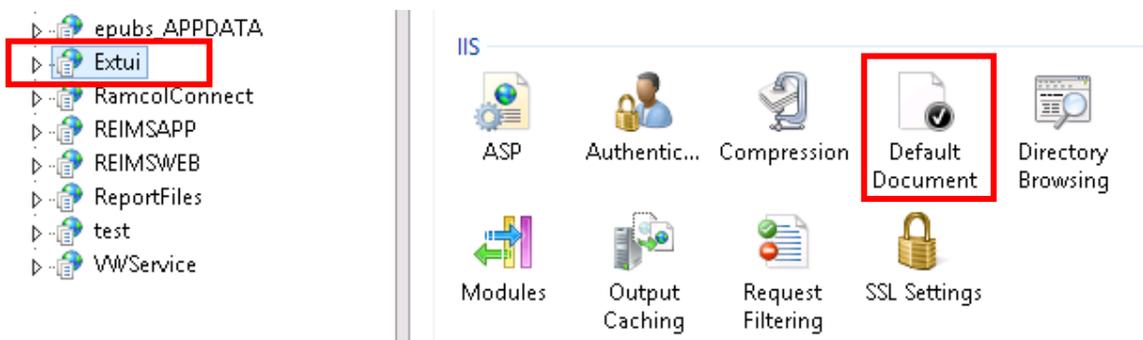
- Open IIS (Go to Start -> Run -> Type INETMGR and click on OK)
- Explore till Default Web Site under the Server name and Right Click on the Default Web Site and Click on "Add Application...".



- On the window that gets opened, provide the details as given and click **OK**:



4. In the above image, the Physical path should be changed to the IIS folder where VirtualWorks™ application is installed and the Application pool should be set to EXTUI which was defined under section 1.1
5. Click on EXTUI Virtual Directory and select the Default Document option on the right pane and open the same.



6. In the options that get listed, select all the existing documents and delete and then right click and click on **Add** and add the default document as **extui.aspx**.

- Increase the value of "timeout" from 20 minutes to 60 minutes in WEB.Config file under ..\VirtualWorks\IIS folder. This setting is based on Customer's Requirement.

```

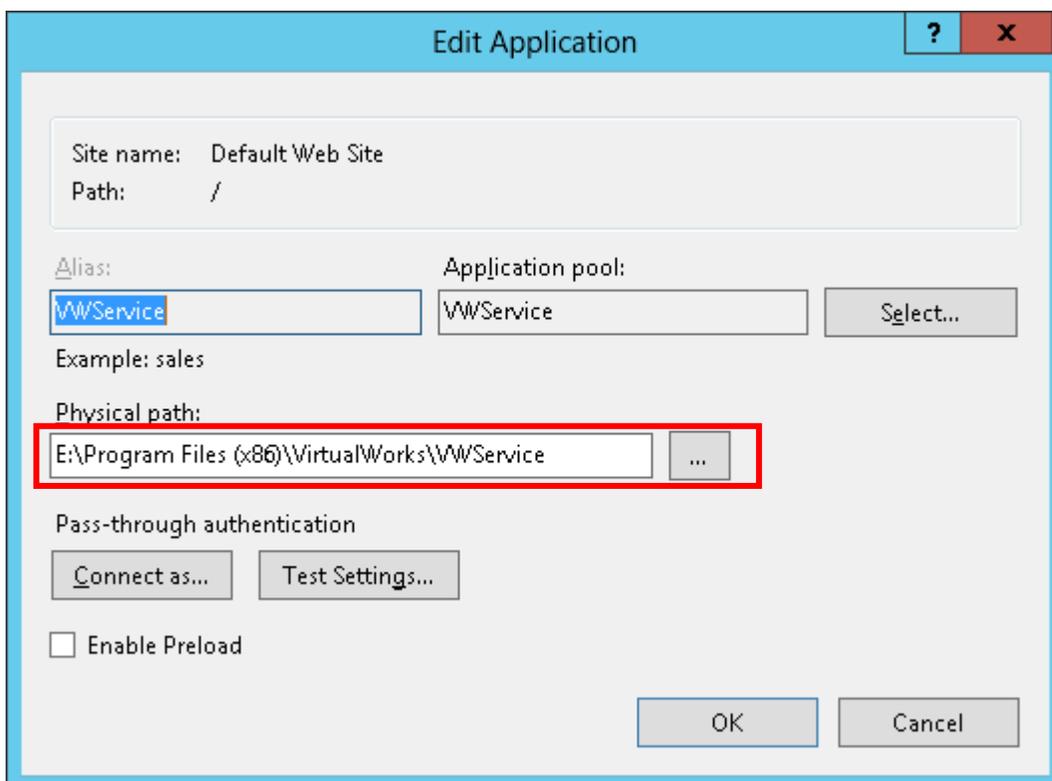
...
...
...
<customErrors mode="RemoteOnly" />
<trace enabled="false" pageOutput="false" />
<sessionState mode="InProc" cookieless="false" timeout="60" />
...
...
...

```

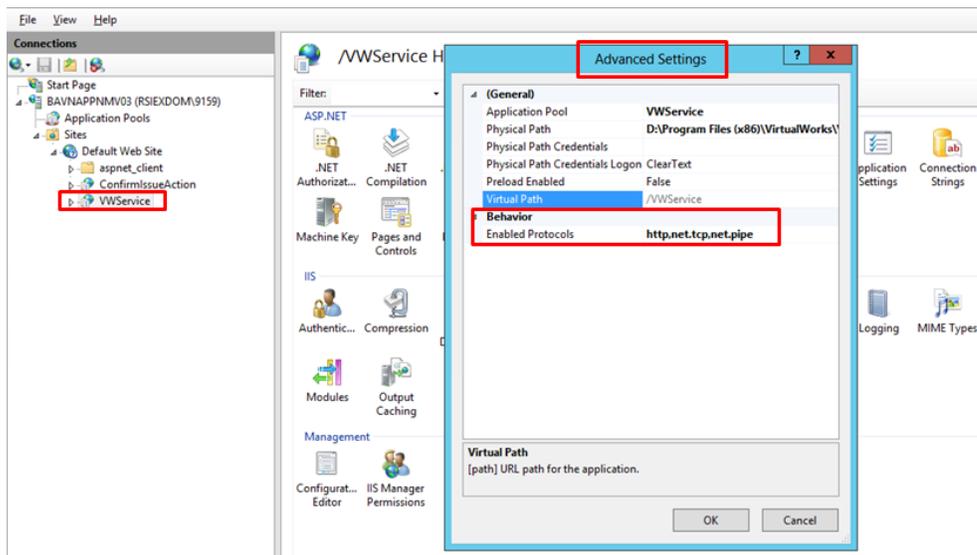
This completes the Virtual Directory creation and setting its property.

Note: On certain occasions the "VWService" Application Pool and Virtual Directory will not get created automatically by the installer. If not created automatically, repeat the Step 1.1 and 1.2 with Application Pool Name and Virtual Directory Name as "VWService". Physical path of Virtual Directory alone to be changed as mentioned below.

"VWService" should be created in App Server whereas "Extui" was created in Web Server.



Click on VWSERVICE virtual Directory and click on the **Advanced Settings** available on the right pane. On the window that gets opened, go to enabled protocols and append the values net.tcp, net.pipe (separated by comma).



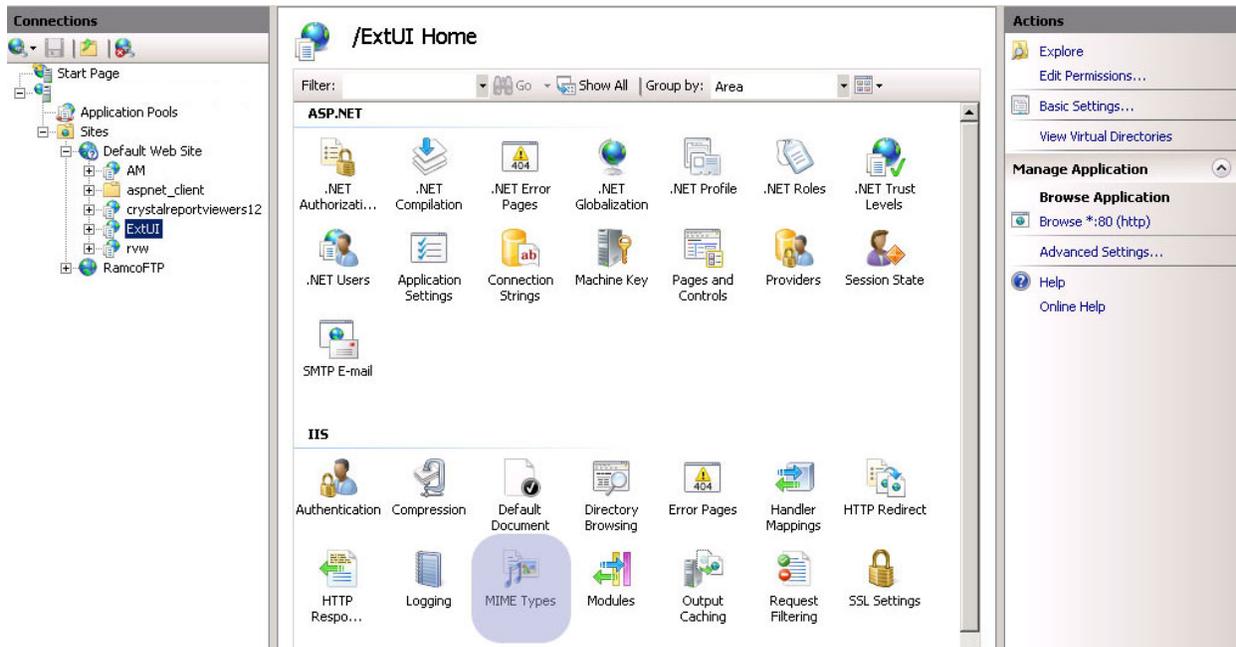
Make sure that the following services are running in the APP Layer:

- Net.Pipe Listener Adapter
- Net.Tcp Listener Adapter
- Ramco.VW.RT.GatewayServerHost

1.3 Mime Type Settings

Ramco Aviation application is integrated with Nertronics Varchart (Gantt chart Control) Microsoft Project and also to support application launch in Ipad / Iphone. To enable these plugin's in Internet explorer, we need to add respective mime types in the IIS.

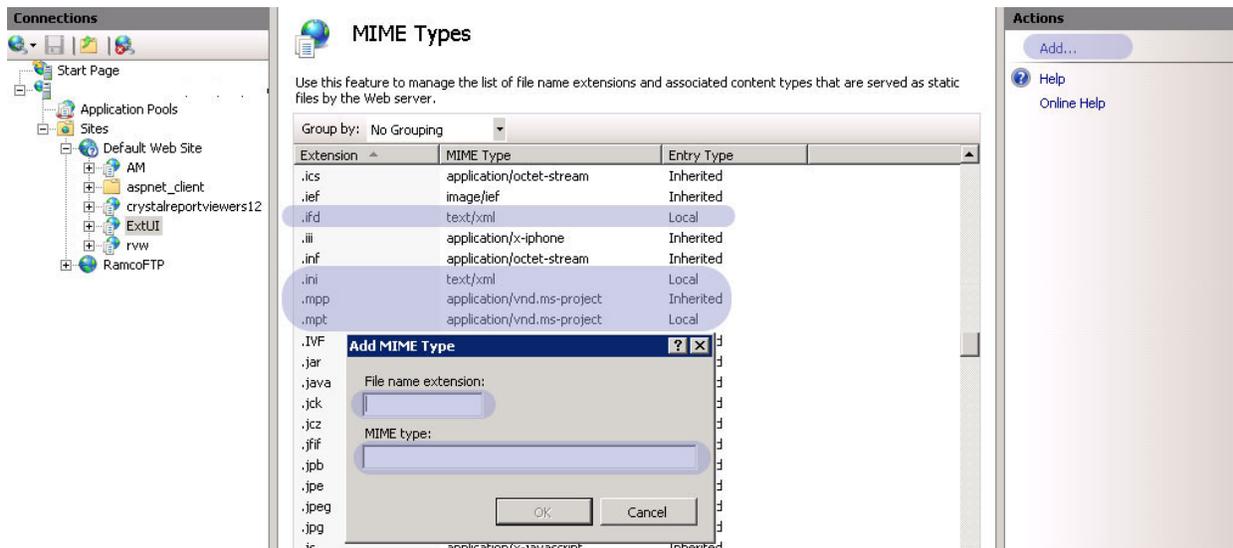
To set this, double click the Virtual Directory. In the center pane, under "IIS", double click the **Mime Types**, as shown in the below screenshot.



As shown in the below screenshot, in the Mime Type Window, Click “Add...” link.

Add the following Mime types one by one if not already available.

- | | |
|---------------------------------------|---|
| 1. File Name Extension : “.ifd”; | Mime Type: “text/xml” |
| 2. File Name Extension : “.ini”; | Mime Type: “text/xml” |
| 3. File Name Extension : “.mpp”; | Mime Type: “application/vnd.ms-project” |
| 4. File Name Extension : “.mpt”; | Mime Type: “application/vnd.ms-project” |
| 5. File Name Extension : “.appcache”; | Mime Type: “text/cache-manifest” |
| 6. File Name Extension : “.woff”; | Mime Type: “application/x-woff” |



1.4 Cookieless Settings

Open the WEB.Config file in WEB Server (This file can be opened in notepad application itself) available in the WEB Server under ..\Program Files\VirtualWorks\IIS folder and look for the entry:

```
<sessionState mode="InProc" cookieless="false" timeout="60" />
```

Change this to:

```
<sessionState mode="InProc" cookieless="true" timeout="60" />
```

Save the changes and restart IIS in the WEB Server.

1.5 Setting permissions for User Personalization to work

Note: This setting needs to be done in WEB Server.

When the application user tries to personalize the multiline for altering the sequence of the columns or to increase/decrease size of the columns or to change the column headers, he will use the Personalization feature to do the same. While doing so, if the ..\VirtualWorks\IIS\Preferences folder does not have write privileges, then Access to the path <...> is denied error will be thrown. To avoid this, follow the settings as given below. By enabling this, there is absolutely no security breach as this setting would only enable Full Control privilege for the IIS process to write to the respective folder and not open a share that would be exposed to all the users on the network.

1. Go to Explorer and open the properties window for the folder ..\IIS\Preferences.
2. Go to Security tab and click on the Edit button.
3. Check if the user account "Everyone" is listed. If not, add the same using the Add button.

4. If the user account "Everyone" is listed, select that user account and click on Full Control check box from the bottom pane and click on Apply.

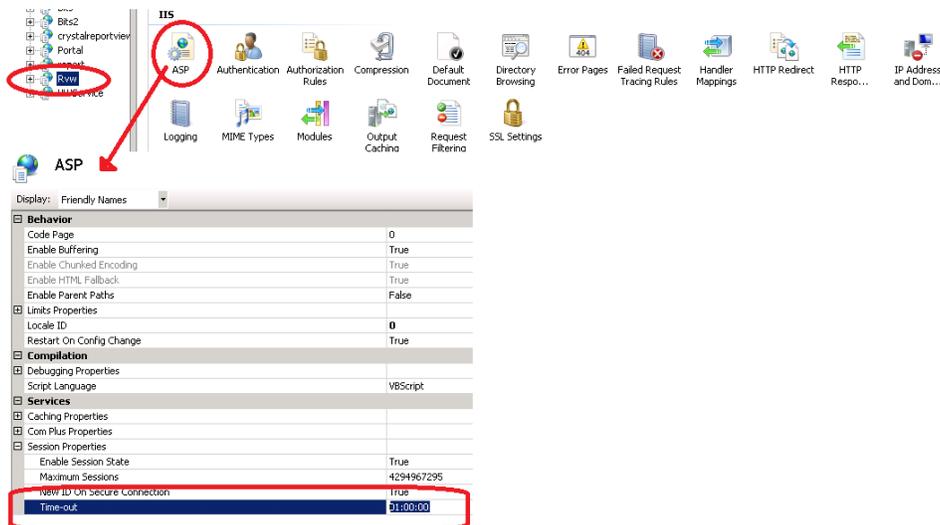
Note: On a non-Single Sign-On based environment, it is sufficient to provide these privileges only for IUSR and IWAM user accounts and not required to be set at "Everyone" user account level.

1.6 ASP Session Timeout Settings

Note: This setting needs to be done in WEB Server.

Modify the ASP Session timeout option for RVW Virtual directory from 20 minutes to 1 hour.

- a. To modify this setting, open IIS and click on the "RVW" virtual directory. (for EXTUI based environment, setting needs to be done for EXTUI virtual directory).



- b. Increase the value of "Time-out" under "Session properties" section from 20 minutes to 60 minutes.

1.7 Configuration DLL Generation

After the above settings, configuration dlls needs to be re-generated and needs to be deployed in GAC. Please refer the step by step document below for Configuration Dll generation.

Document Name	Document Attachment	Reference Sections
11-Configuration DLL Generation.docx	 11-Configuration DLL Generation.pdf	All

- End of Document -

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