QServer-RMEx Dashboard

Administration Manual, Version 1.0

For Windows Web Server 2008

Prepared By:

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1.0 Introduction

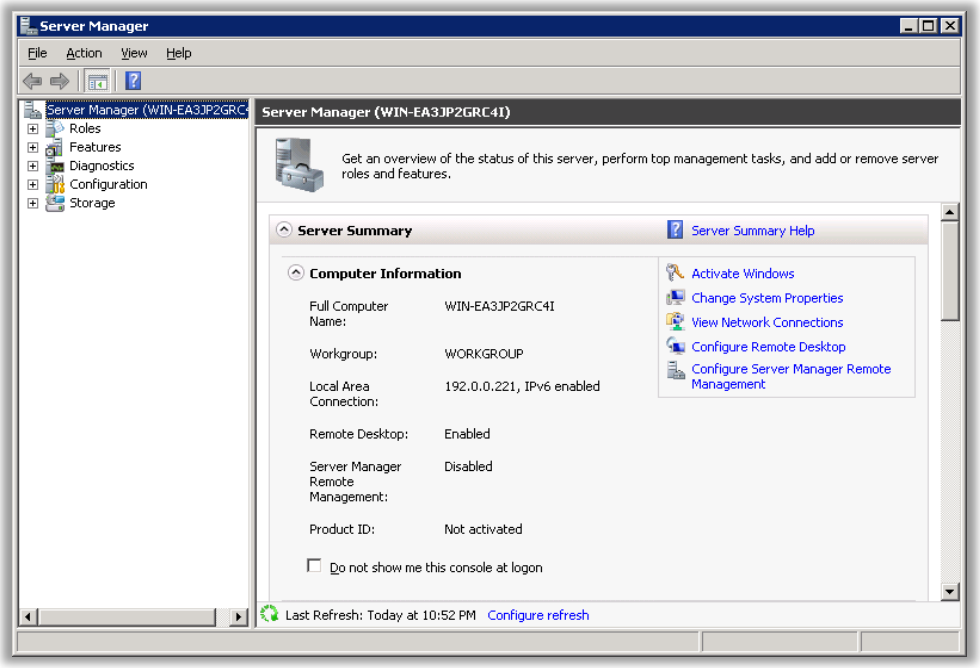
RMEx Dashboard was developed using the ASP.net platform. Following is the list of prerequisite software:

1. IBM Client Access pre-installed
2. Microsoft .NET 3.5 (**not higher**)
3. Microsoft Ajax Extensions
4. Microsoft Chart Control

Installing .NET 3.5 SP1: (if NOT already installed)

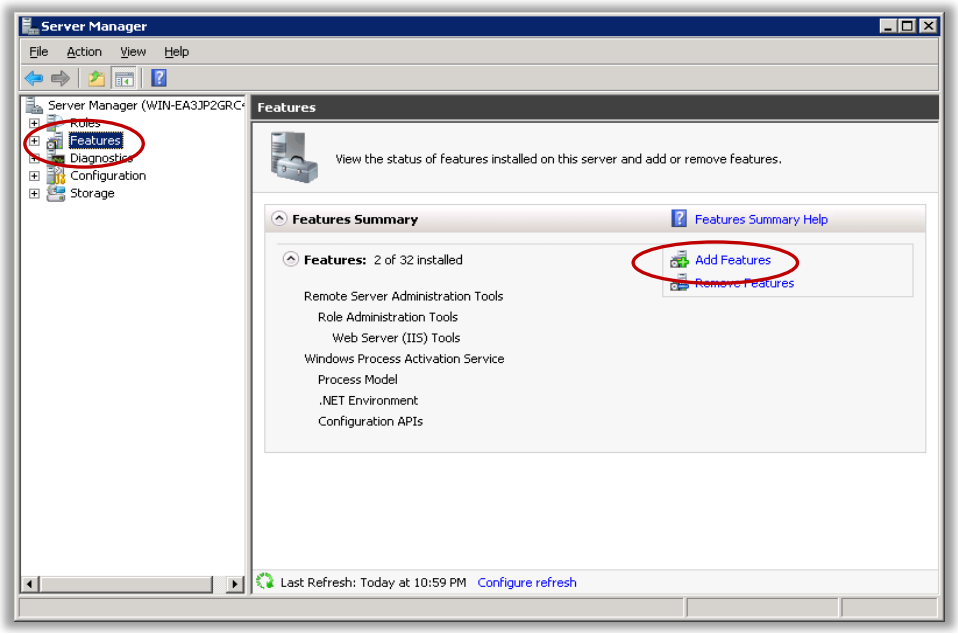
Download from http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=21 and install.

- Once .Net is installed, access the *Windows Server Manager* (**Start → Administrative Tools → Server Manager**)

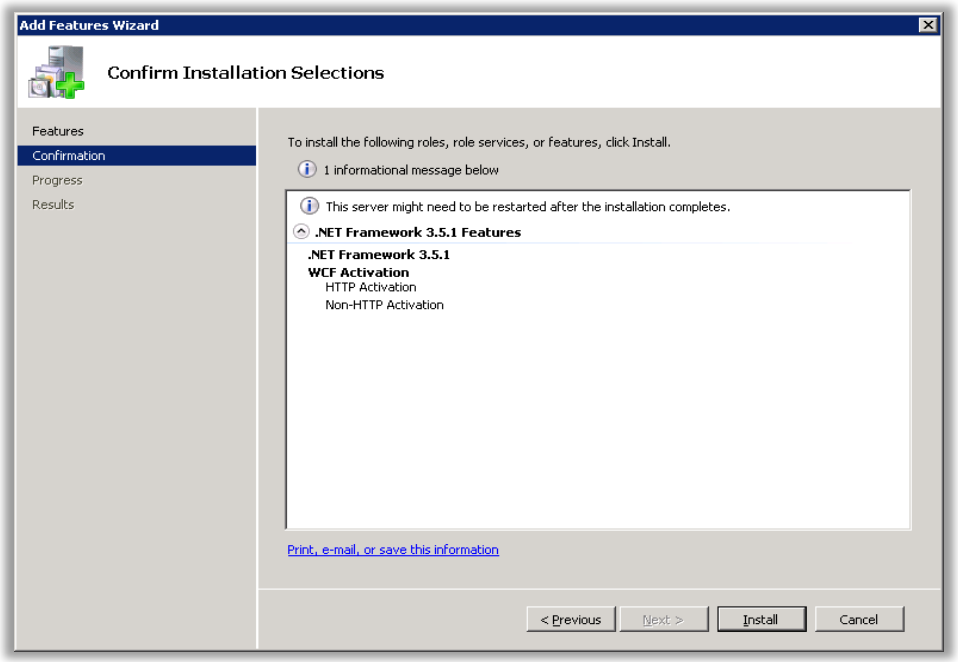


- Select "**Features**" and then click "**Add Features**" as seen below

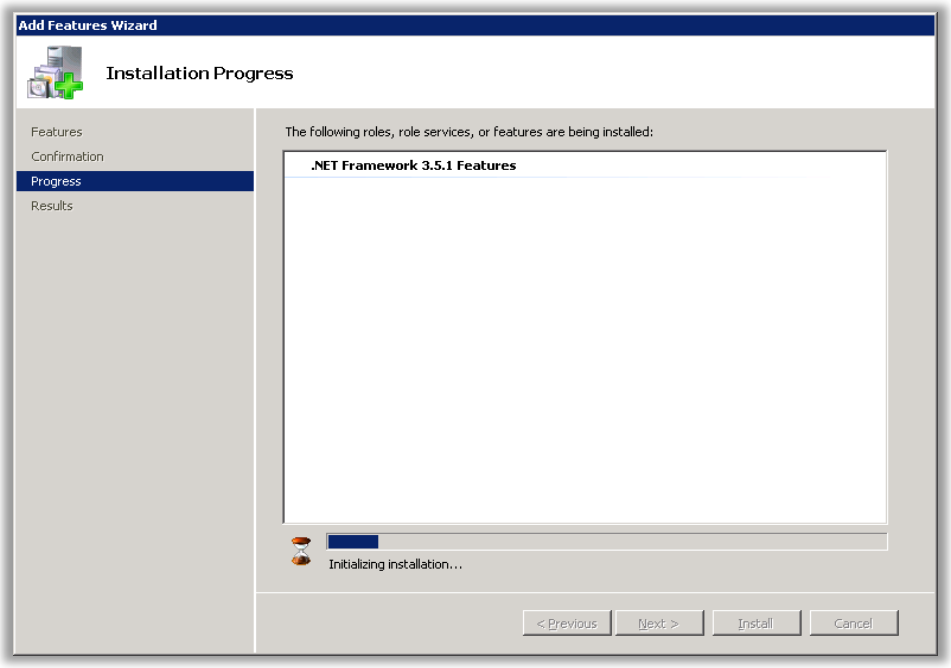
NOTE: .Net 3.5 may not be listed in the 'features'. As long as .Net 3.5 is listed in the 'programs and features' from the Control panel, install will work.



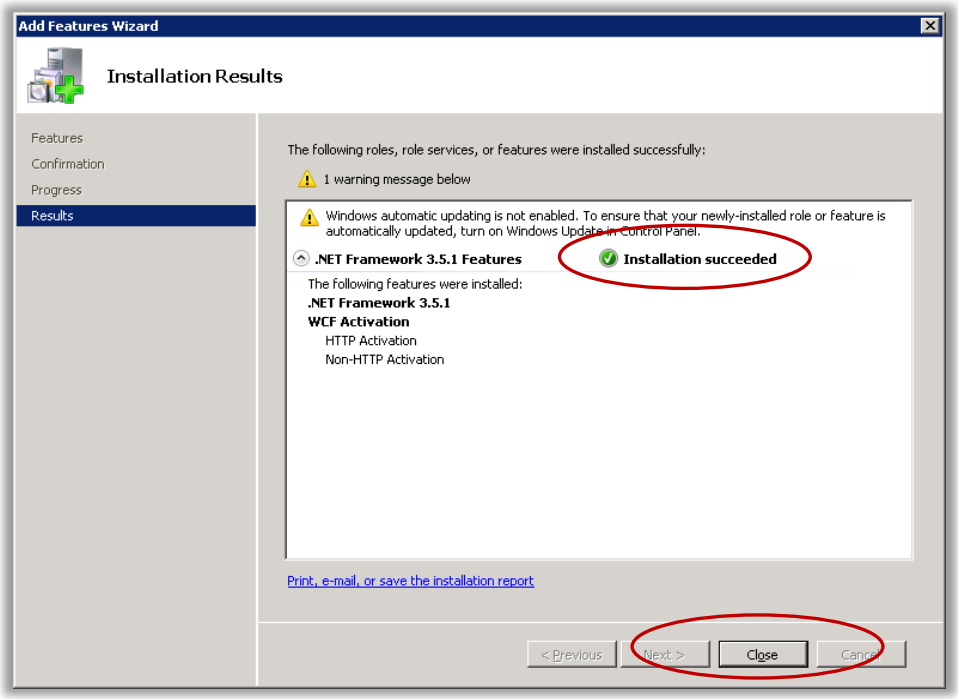
- In the "Select Features" window put a check next to "**.NET Frame Work 3.5.1 Features"** and click the **Next** button
- The "Confirm Installation Selections" screen will appear. Click "**Install**"



- This will take few minutes to complete



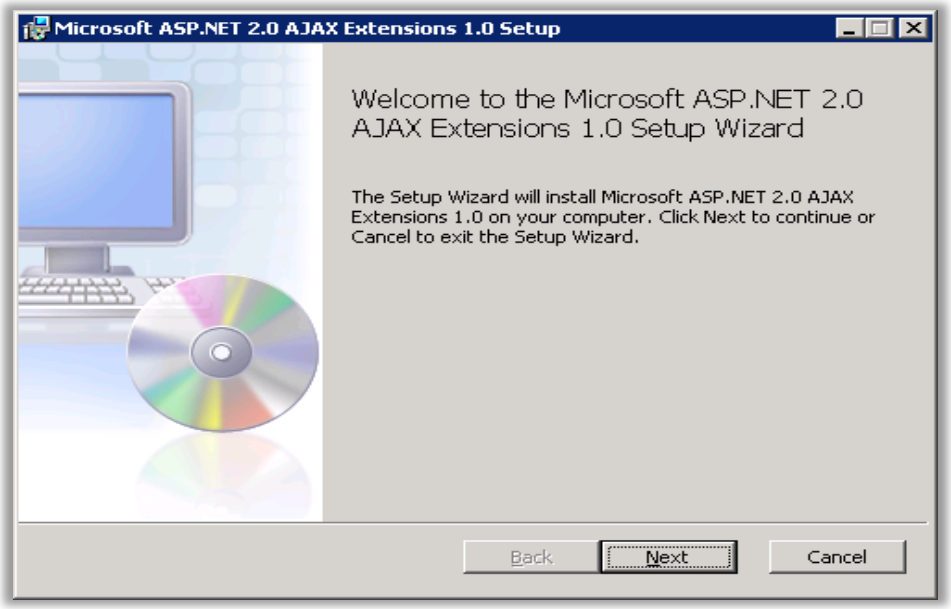
- Once the installation is done. Click **close** button



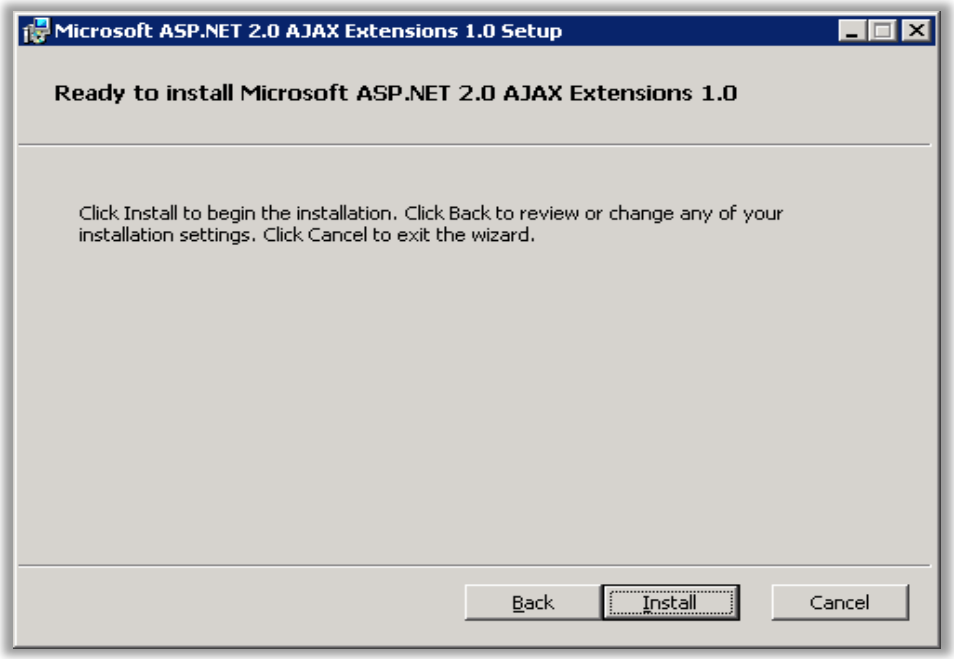
Installing Microsoft Ajax Extensions:

- Download the Ajax component from the link: http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=883

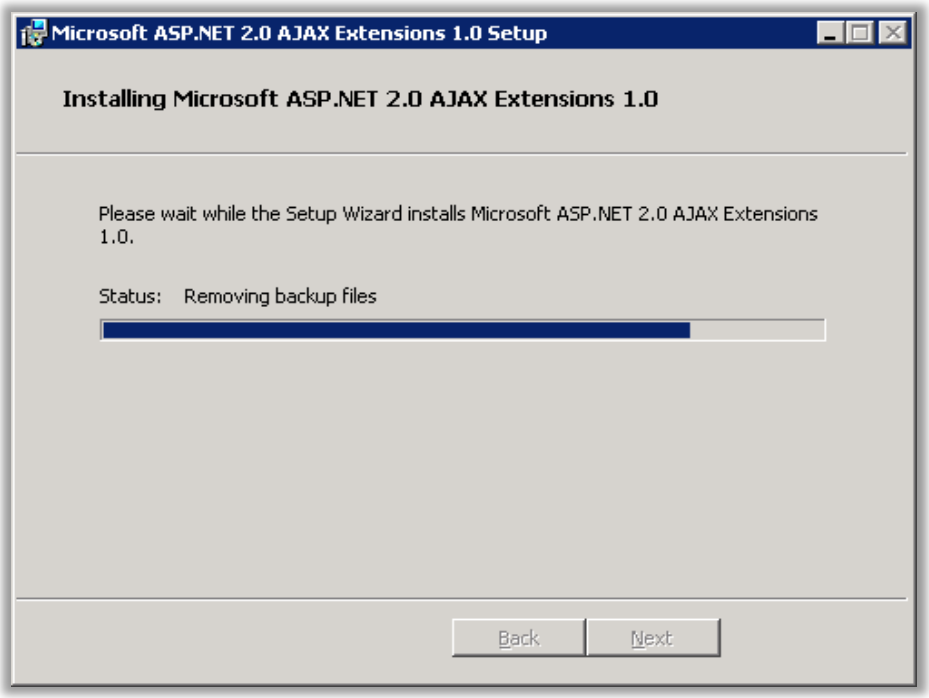
- Run the downloaded **"ASPAJAXExtSetup.msi"** executable. The welcome screen will be presented:
- Click the "**Next**" button and accept the "**End User License Agreement**"



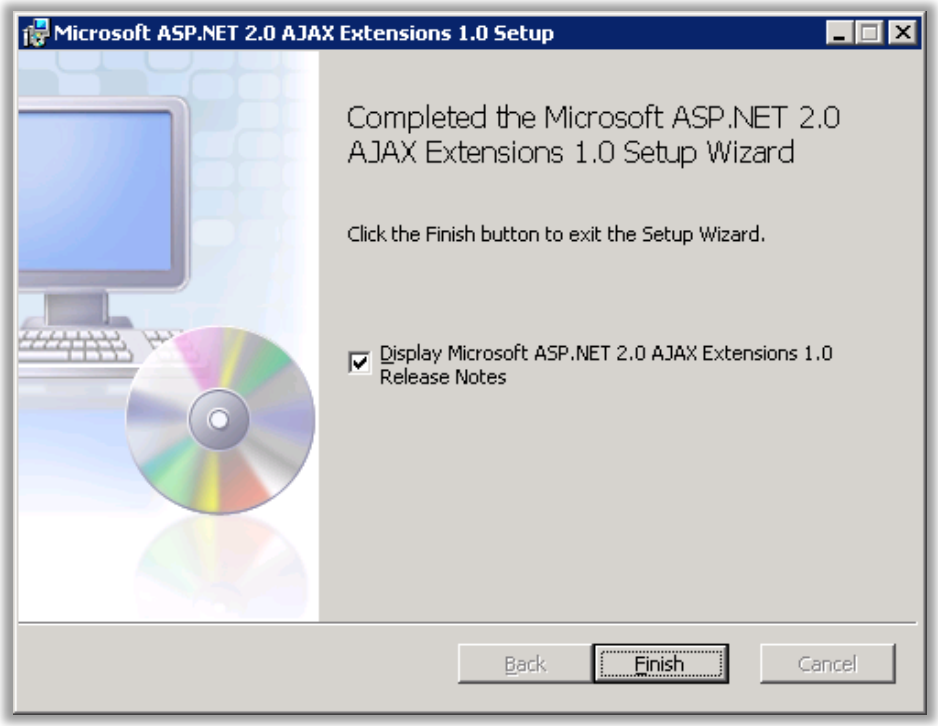
- Click **Next** until you get to the option to **Install.** Click Install



- This may take a few minutes to complete



- Once done, click **Finish** to complete the installation process



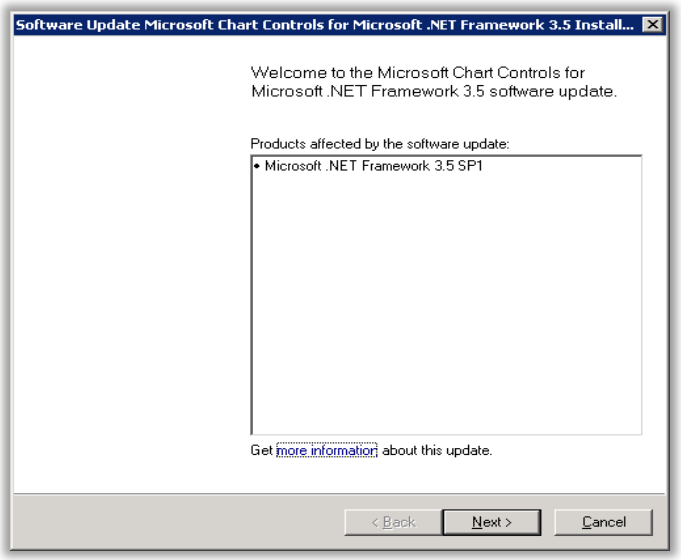
- Once it done click **Finish** button to complete the installation process. (See figure 10)

Installing the Microsoft Chart Control:

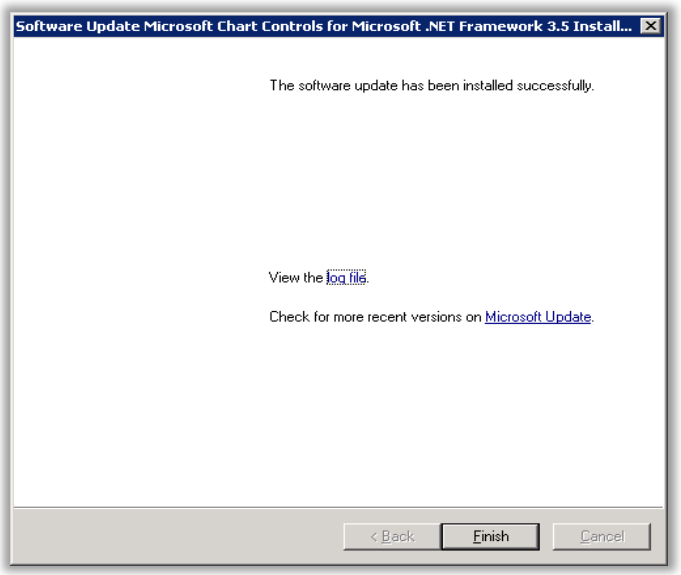
- Download the Microsoft Chart Control Software: http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=14422

- Once downloaded double click the file “MSChart.exe”

- Click the **Next** button to continue. Accept the License agreement and click **next** again to start the install process



- Click **Finish** to complete the installation

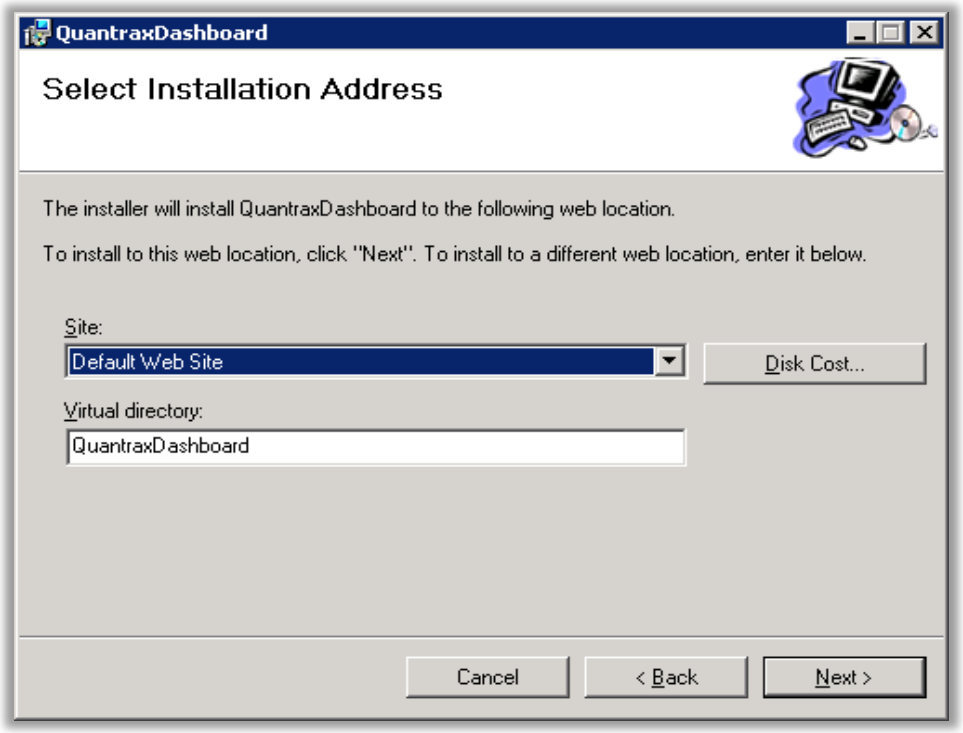


2.0 Installing the RMEx Dashboard

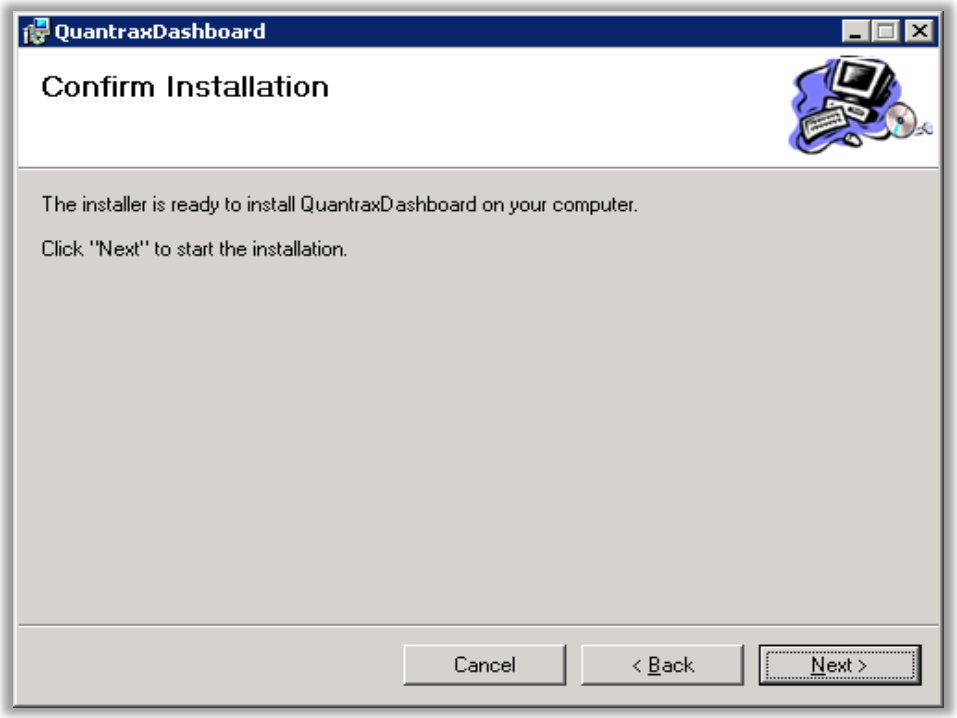
- First, double click the file **“setup.exe”**

- The initial setup window will be shown. Click **next** to continue

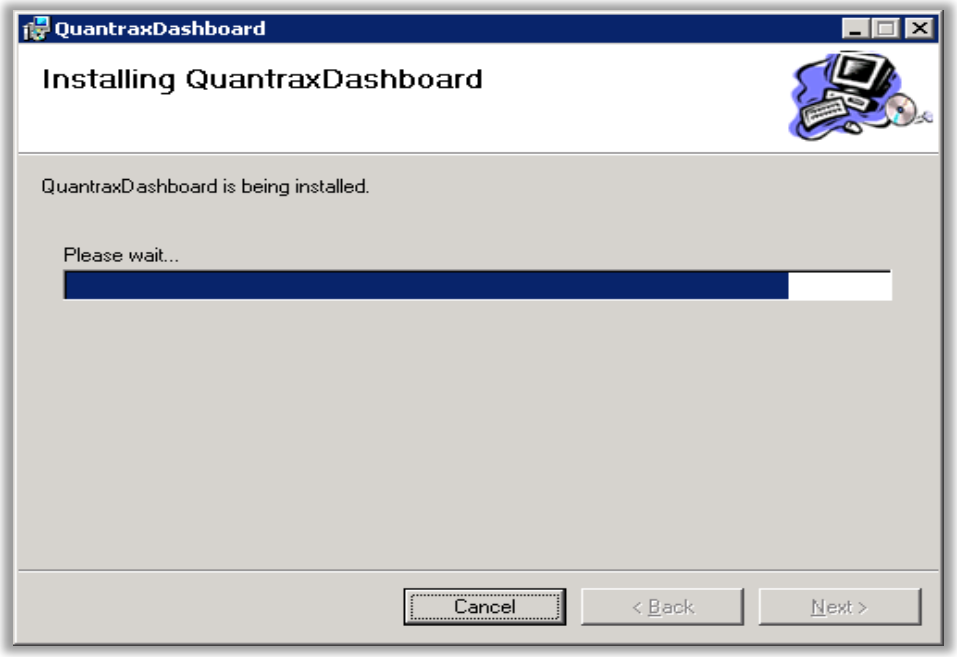
- Set-up will ask for the virtual directory and the site. Keep these settings as default unless told otherwise. Click **Next** to continue



- Click Next to confirm Installation



- Please wait until the Dashboard is installed

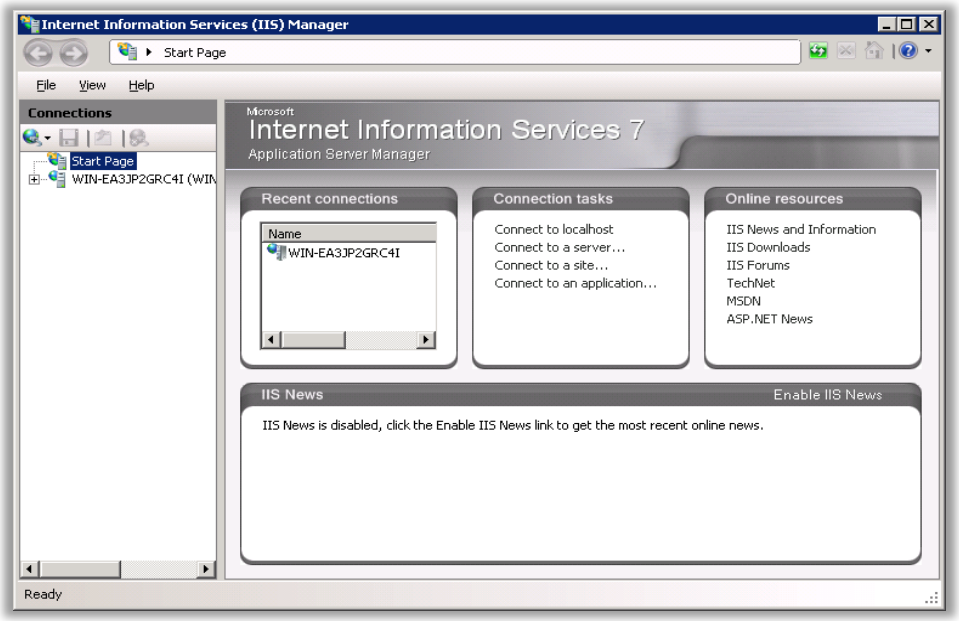


- Click C**lose** to complete the installation

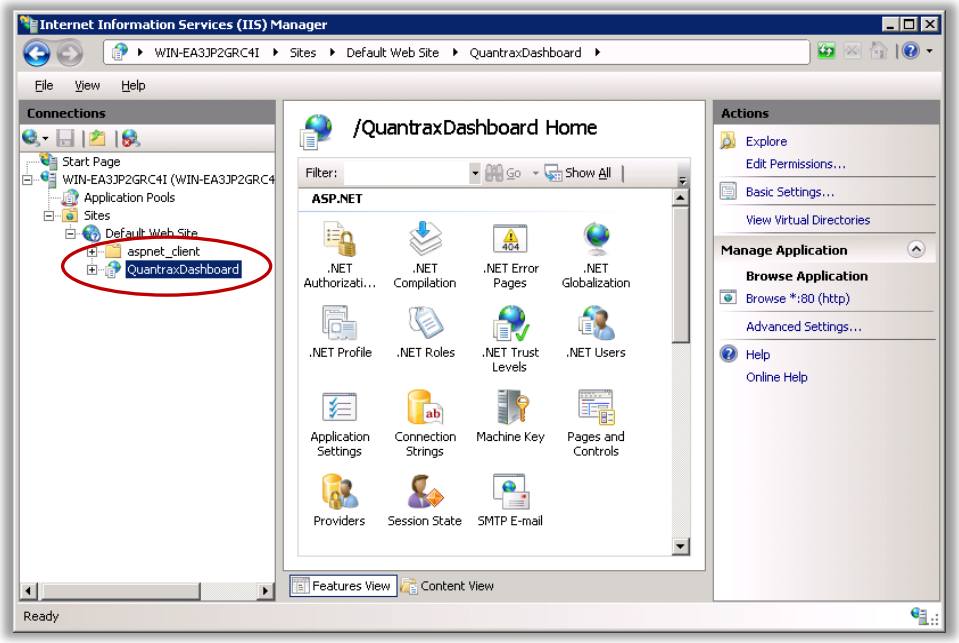
Setting up the permission -

The MS chart control uses a temporary folder to create images. But the ASP.NET account does not have the file writing permission by default. So this needs to be done manually. To set up the permission follow the steps below:

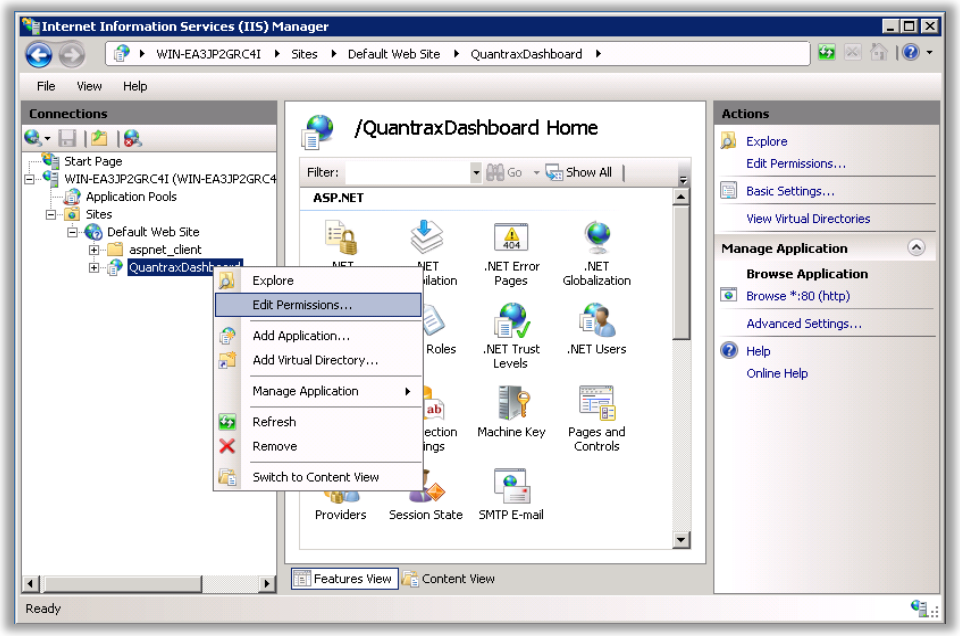
- First open the IIS manager: **Start→ Administrative Tools→ Internet Information Services**



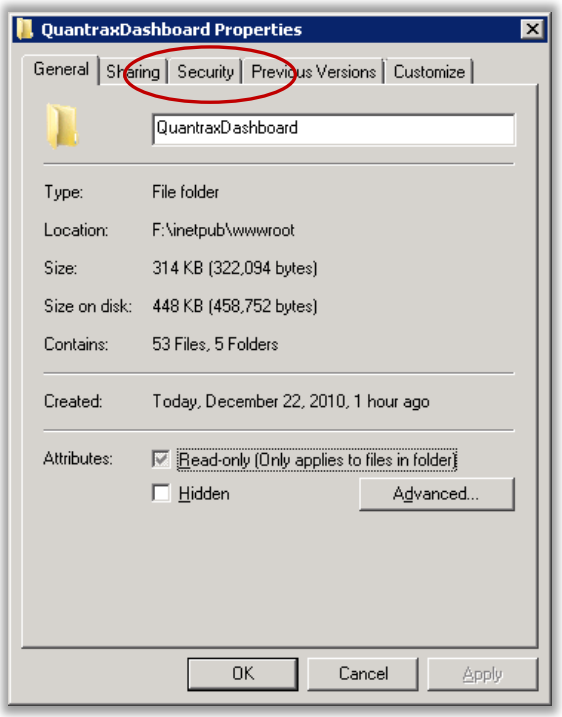
- Select the dashboard application from within the "Sites" folder



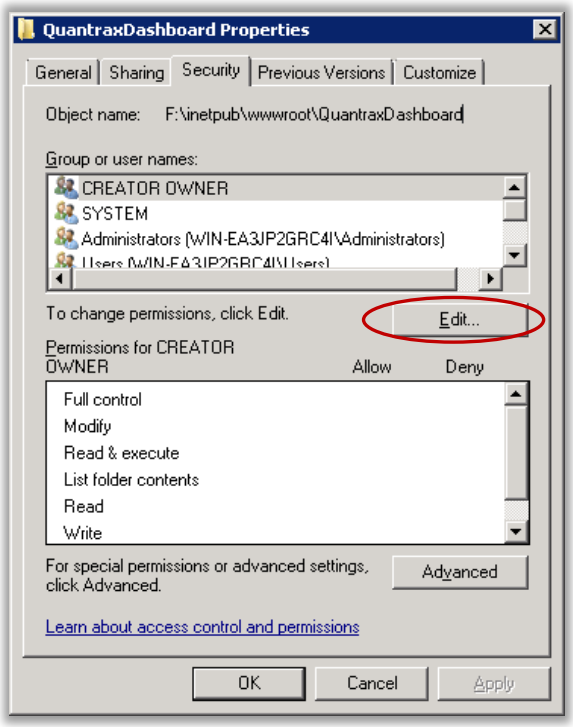
- Right click on Dashboard application and select the **Edit Permission** option



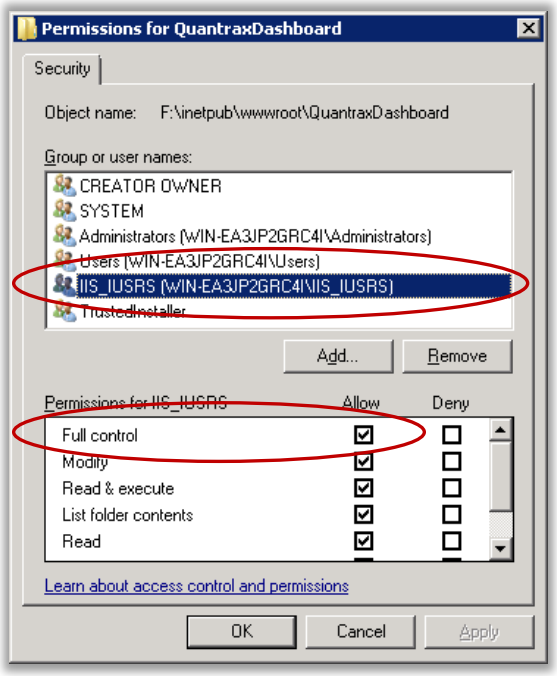
- The **Edit Permission dialog box** will present, Select the **Security** Tab



- Then click E**dit** button



- Select the **IIS_IUSRS** from the **Group or User names**.
- "Check mark" the **Full Controls** option under Allow. Click **Apply** and **OK**.
- After that Click **ok** to exit from the remaining dialog boxes



Setting up the System configuration-

Note: We will be providing a simple window based application to configure the application.

All of the data for the Executive Dashboard is taken from the iSeries data tables. To be able to take the information needed from the iSeries, an ODBC connection needs to be set up. The next section will walk you through this set up.

- **Open the web application configuration file**.
  - If the windows system is in C: drive then the configuration file path is: *C:\inetpub\wwwroot\QuantraxDashboard\Web.config*
  - Please make a copy of this file before editing

  (This file can be opened using a normal text editor e.g., Notepad, WordPad, etc.)
- Look for the following lines in the Web.confg:

  <add key="Constr" value="Driver={Client Access ODBC Driver (32-bit)}; Connect Timeout=120; DBQ=SCDATA; System=192.145.123.7; UID=username;Password=pass;" />

- You must change the line to read as follows:

  DBQ – RMEx data Library. (Generally SCDATA). For example "DBQ=SCDATA"
  System – IP Address of the iSeries. For example "System=192.145.123.7"
  UID and Password –a valid user name and password that can log into the iSeries. Example "UID=JOE123;Password=Pa55w0d!;"

Note: Regarding the UserID used in this configuration file

- It is possible that your iSeries administrator has setup passwords to expire after a period of time. You *may* want to disable that option for this UserID
- This UserID *must* have permission to access the library which is mentioned in the **DBQ**

Testing RMEx Dashboard-

After you have done the install and changed the configuration files, you will be able to test the RMEx Dashboard by using the following link in Internet Explorer:

http:// xxx.xxx.xxx.xxx /QuantraxDashboard/Home.aspx
(Note: xxx.xxx.xxx.xxx is the IP Address of the iSeries)