# **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 <u>http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=21</u> and install.

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



o 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.

E Server Manager			
Eile Action View Help			
Server Manager (WIN-EA3JP2GRC <sup>4</sup> Features			
View the status of features installed on this server and add or remove features.	View the status of features installed on this server and add or remove features.		
Features Summary			
Features: 2 of 32 installed			
Remote Server Administration Tools			
Role Administration Tools			
Web Server (IIS) Tools			
Windows Process Activation Service			
Process Model			
.NET Environment			
Last Refresh: Today at 10:59 PM Configure refresh			

- 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"

Add Features Wizard	ion Selections
Features Confirmation Progress Results	To install the following roles, role services, or features, click Install. <ul> <li>                 Informational message below             </li> </ul> Inis server might need to be restarted after the installation completes.
	Print, e-mail, or save this information         < Previous

• This will take few minutes to complete

Add Features Wizard       Installation Progress			
Features Confirmation Progress Results	The following roles, role services, or features are being installed:          .NET Framework 3.5.1 Features		
	Initializing installation		

 $\circ\quad$  Once the installation is done. Click **close** button

Add Features Wizard Installation Resu	Its
Features Confirmation Progress Results	The following roles, role services, or features were installed successfully: <ul> <li>I warning message below</li> </ul> <ul> <li>Windows automatic updating is not enabled. To ensure that your newly-installed role or feature is automatically updated, turn on Windows Update in control Panel.</li> <li> <ul> <li>Image: Ministry of the second secon</li></ul></li></ul>
	Print, e-mail, or save the installation report           < Previous         Viext. >         Close         Cancel

## **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

Ricrosoft ASP.NET 2.0 AJAX Extensions 1.0 Setup				
Ready to install Microsoft ASP.NET 2.0 AJAX Extensions 1.0				
Click Install to begin the installation. Click Back to review or change any of your installation settings. Click Cancel to exit the wizard.				
<u>B</u> ack <u>Instal</u>	Cancel			

• This may take a few minutes to complete

🖶 Microsoft ASP.NET 2.0 AJAX Extensions 1.0 Setup		
Installing Microsoft ASP.NET 2.0 AJAX Extensions 1.0		
Please wait while the Setup Wizard installs Microsoft ASP.NET 2.0 AJAX Extensions 1.0.		
Status: Removing backup files		
<u>B</u> ack <u>N</u> ext		

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

🔀 Microsoft ASP.NET 2.0 AJA	X Extensions 1.0 Setup	
	Completed the Microsoft ASP.NET 2.0 AJAX Extensions 1.0 Setup Wizard	
	Click the Finish button to exit the Setup Wizard.	
	☑ Display Microsoft ASP.NET 2.0 AJAX Extensions 1.0 Release Notes	
	Back <b>Finish</b> Cancel	

• 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: <u>http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=14422</u>

- o 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

Software Update Microsoft Chart Controls for Microsoft .NET Framework 3.5 Install 🗙				
Welcome to the Microsoft Chart Controls for Microsoft .NET Framework 3.5 software update.				
Products affected by the software update:				
Microsoft .NET Framework 3.5 SP1				
Get more information about this undate				
< <u>Back</u>				

• 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

🔁 QuantraxDashboard	
Select Installation Address	
The installer will install QuantraxDashboard to the following web location.	
To install to this web location, click "Next". To install to a different web loc	ation, enter it below.
Site: ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	<u>D</u> isk Cost
Cancel< <u>B</u> ack	< <u>N</u> ext >

• Click Next to confirm Installation



o Please wait until the Dashboard is installed

🙀 QuantraxDashboard			
Installing QuantraxDash	board		
QuantraxDashboard is being installed.			
Please wait			
	Cancel	< <u>B</u> ack	<u>N</u> ext >

• Click Close 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:

- Nanager Information Services (IIS) Manager \_ 🗆 🗙 🕝 🕥 🦉 🕨 Start Page 27 🔄 I 🕐 <u>F</u>ile ⊻iew <u>H</u>elp Connections Internet Information Services 7 Q- 🔒 🖄 😥 Start Page WIN-EA3JP2GRC4I (WIN cent connections Connect to localhost IIS News and Information Name Connect to a server... IIS Downloads WIN-EA3JP2GRC4I Connect to a site... IIS Forums Connect to an application.. TechNet MSDN ASP.NET News F IIS News is disabled, click the Enable IIS News link to get the most recent online news. • Ready
- First open the IIS manager: **Start→ Administrative Tools→ Internet Information Services**

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

Notes The Information Services (IIS)	anager			
	Sites 🔸 Default Web Si	e 🕨 QuantraxDash	board 🕨	🖸 🛛 🟠 I 🕡 🗸
<u>File View H</u> elp				
Lie Yew Leip	/Quantra       Filter:       ASP.NET       ASP.NET       Authorizati       Ormer       .NET Profile       .NET Profile       Application	xDashboard I Tation NET Error Pages NET Trust Levels Machine Key	Home	Actions Explore Edl: Permissions Basic Settings View Virtual Directories Manage Application Browse Application Browse *:80 (http) Advanced Settings Help Online Help
∢► Ready	Providers View C	State SMTP E-mail		×

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



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

📙 QuantraxDashboard Properties 🛛 🛛 🗙			
General Shar	ing   Security   Previous Versio	ons Customize	
	QuantraxDashboard		
Туре:	File folder		
Location:	F:\inetpub\www.root		
Size:	314 KB (322,094 bytes)		
Size on disk:	448 KB (458,752 bytes)		
Contains:	53 Files, 5 Folders		
Created:	Today, December 22, 2010, 1 hour ago		
Attributes:	ributes: 🔽 Read-only (Only applies to files in folder)		
	☐ <u>H</u> idden	A <u>d</u> vanced	
	OK Ca	ancel Apply	

o Then click Edit button

QuantraxDashboard Properties			
General Sharing Security Previous Versions Customize			
Object name: F:\inetpub\www.root\QuantraxDashboard			
Group or user names:			
& CREATOR OWNER			
SYSTEM 🔲			
& Administrators (WIN-EA3JP2GRC4I\Administrators)			
M Hsere M/IN-EΔ3IP2GRC4I\Hsere1			
To change permissions, click Edit.			
Permissions for CREATOR OWNER Allow Deny			
Full control			
Modify			
Read & execute			
List folder contents			
Read			
Write			
For special permissions or advanced settings, Advanced			
Learn about access control and permissions			
OK Cancel Apply			

- 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

Permissions for QuantraxDashboard			
Security			
Object name: F:\inetpub\www.root\QuantraxDashboard			
Group or user names:			
& CREATOR OWNER			
SYSTEM			
& Administrators (WIN-EA3JP2GRC4I\Administrators)			
Users (WIN-EA3JP2GRC4I\Users)			
USRS (WIN-EA3JP2GRC4INIS_IUSRS)			
Managementaller			
	A <u>d</u> d	<u>R</u> emove	
Permissions for HS_HUSRS	Allow	Deny	
Full control			
Modify			
Read & execute			
List folder contents			
Read	$\checkmark$		
Learn about access control and permissions			
OK	Cancel	Apply	

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