QServer-GUI

Administration Manual, Version 1.0.1

For Windows Web Server 2008



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RMEx GUI setup:

WebSphere Application Server *must* already be installed on your iSeries *or* in a PC server

- 1. Make sure the HTTP Admin server is up and running *on the iSeries*.
 - 1.1. To start the HTTP admin server through the iSeries
 - 1.1.1. Login to the iSeries using your user name and password.

🚆 (A) TN5250 (192.169.0.7) - PowerTerm InterConnect/32		_ 8 ×
File Edit Terminal Communication Options Script Help		
🚊 🛃 🖻 🛍 🖨 🗰 💥 🔳 🏢 ?		
	Sign On	
	System : S10E9B6C	
	Subsystem : QINTER	
	Display : QPADEV0042	
	User <u>GUITEST</u>	
	Password	
	Program/procedure	
	Menu	
	Current Library	
	(C) COPYRIGHT IBM CORP. 1980, 2005.	
	⇒ 07/060	
F1 F2 F3	F4 F5 F6 F7 F8 F9 F10 F11	F12
5250 Display 7:60 Caps Hold On Line		

Figure 1

1.1.2. Type "STRTCPSVR" in the command prompt and hit "F4". You will see the screens below:



1.1.3. Give the value for Server application as "*HTTP" and hit Enter.



Figure 3

1.1.4. Hit Enter for the above screen and the following screen will be presented. Hit enter again, leaving defaults and the HTTP server will start immediately.



1.2. To check the status of the HTTP Admin Server

1.2.1. Login to the iSeries using your user name and password.

🤮 (A) TN5250 (192.169.0.7) - PowerTerm InterConnect/32			_8×
File Edit Terminal Communication Options Script Help			
<u>2 si 6 6 6 6 7 9 1 7</u>			
	Sign On		
	orgin on	System	S10E9B6C
		Subsystem	QINTER
		Display	QPADEV0042
	User	<u>GUITEST</u>	
	Program/procedure	· · · · · · · · · · · · · · · · · · ·	
	Menu		
	Current library		
	(C) C	OPYRIGHT IBM CORP. 1980	, 2005.
		⇒	⇒ 07/060
F1 F2 F3	F4 F5 F6 Fi	F8 F9	F10 F11 F12
5250 Display 7:60 Caps Hold On Line			



1.2.2. Type "WRKACTJOB" and enter from the command prompt as shown in the screen below.



Figure 6

1.2.3. The status of the HTTP Admin server will be presented (ours is shown over 2 screen shots)

(A) TNS250 (192.169.0.7) - PowerTerm InterConnect/32								LIG X
File Edit Terminal Communication Options Script Help								
A 🖬 🖻 🗗 🗃 💥 🖃 🗶 🤶								
		11	A	tab a		01050000		
	,	NORK WITH	HCTIVE	Jobs	07/01/11	STUESBEC		
0011 8 1.0	Flores d. A.		00.40	And Inc. 1.	07/01/11	01:44:04		
CPU %: 4.3	Elapsed t	ime: 00	:00:18	MCTIVE JC	DDS: 387			
Tune ontione press	Enter							
2=Chapter 2=Held	A-End		1.1.4.6					
2=change 3=hold		0-W0FK	with		/-Display me:	ssage		
8-WORK WITH Spool	Current	10-DISC	onnect					
Onto Cubauration (Jah	Current	T	CDU 9	Function	Chatura			
Opt Subsystem/Job	User	Type	CPU Z	Function	Status			
C C C C C C C C C C C C C C C C C C C	0515	505	. 0		DEGN			
GBHTCH	USTS	SBS	. U		DEQW			
QCMN	QSYS	SBS	. U		DEQW			
QCTL	QSYS	SBS	. 0		DEQW			
QSYSSCD	QPGMR	BCH	. 0	PGM-QEZSCNEF	P EVIN			
QHTTPSVR	QSYS	SBS	. 0		DEQW			
ADMIN	QTMHHTTP	BCH	. 0	PGM-QZHBMAIN	N SIGW			
ADMIN	QTMHHTTP	BCI	. 0	PGM-QZSRLOG	SIGW			
ADMIN	QTMHHTTP	BCH	. 0	PGM-QLWISVR	JVAW			
						More		
Parameters or comma	ind							
===>								
F3=Exit F5=Refres		7=F ind	F10=	Restart stati				
F11=Display elapsed	idata Fi	12=Cancel	F23=	More options	F24=More			
							611	613
530 Distance 10.2 Const Hold Continue	10	16		7 H	19	710		112

Figure 7

A) TN5250 (192.169.0.7) - PowerTerm InterConnect/32								_ 8 ×
File Edit Terminal Communication Options Script Help								
🚨 🛃 🖻 📾 💥 🔳 🏢 ?								
	N	ork with	Active	Jobs		S10E9B6C		
					07/01/11	01:44:04		
CPU %: 4.3	Elapsed til	ne: 00	:00:18	Active job	os: 387			
Type options, press	Enter.							
2=Change 3=Hold	4=End	5=Work	with	6=Release 7=	=Display mes	sage		
8=Work with spool	ed files	13=Disc	onnect					
	Current							
Opt Subsystem/Job	User	Type	CPU %	Function	Status			
_ ADMIN	QTMHHTTP	BCI	. 0	PGM-QZSRHTTP	SIGW			
ADMIN	KRISHAN	BCI	. 0	PGM-QZSRCGI	TIMW			
ADMIN	QSECOFR	BCI	. 0	PGM-QZSRCGI	TIMW			
ADMIN	VIRAJ	BCI	. 0	PGM-QYUNLANG	TIMW			
WEBSERVE02	QTMHHTTP	BCH	. 0	PGM-QZHBMAIN	SIGW			
WEBSERVE02	QTMHHTTP	BCI		PGM-QZSRLOG	SIGW			
WEBSERVE02	QTMHHTTP	BCI		PGM-QZSRLOG	SIGW			
WEBSERVE02	QTMHHTTP	BCI		PGM-QZSRHTTP	SIGW			
WEBSERVE02	QTMHHTTP	BCI	. 0	PGM-QZSRHTTP	DEQW			
						More		
P <mark>arameters or comma</mark>	nd							
===>								
F3=Exit F5=Refres	n F7:	=Find	F10=	Restart statis	stics			
F11=Display elapsed	data F12	2=Cancel	F23=	More options	F24=More k	eys		
				\Rightarrow		⇒ 10/002		
F1 F2 F3 F4	F5	F6	F	7 F8	F9	F10	F11	F12

Figure 8

How to Start/Stop/Restart the WebSphere Application Server (WAS)

- Starting WAS
 - a) Type the following URL in the browser filling in the IP for your set up. Use the IP address of the server where WebSphere Application Server is installed.
 <u>http://192.169.0.7:1001/HTTPAdmin</u>
 A user name and password where the WebSphere Application Server was installed will be needed.
 - b) Now Select the relevant WAS instance. For example, you may see
 WAS60SVR01/WAS60SVR01-V60 Server from the Server drop down options.
 - c) Click the start button so that WAS can go to 'Running'. NOTE The server status will be **stopped the first time** you access WAS.





d) After clicking the **Start** Button, the welcome screen will be presented, as shown below:



e) Now the status has changed to 'Running', as shown on the next screen shot:



- Stopping and Restarting WAS
 - a) The STOP button is found next to the Start button just stop and restart as needed



Important notes-

- ✓ If Admin Console is not working then you might need to start the WebSphere Application Server
- ✓ Whenever you install a new EAR in the iSeries, then you should restart the WebSphere Application Server
- ✓ If you restart the iSeries server/IPL or experience a power outage, then you must start the WebSphere Application Server

Deploying the EAR fle and Modifying several files manually

- The EAR file will be provided by Quantrax or you will need to retrieve the file from our FTP site. Before deploying the EAR file in the iSeries machine, you need to change the IP address of the EAR file.
- 2. Download and install WinRAR @http://www.win-rar.com/download.html
- 3. The **application.hap** file will need to be updated with your IP address where WAS is installed
 - Right click on the **EAR** file and select the **Open** option:

RMEx_04May_2011.ear			
	орен		
	Share with	•	
	Add to archive		
	Add to "RMEx_04May_2011.rar"		
	Compress and email		

Choose "Select a program..." and click "OK"



Browse to WinRAR and select "WinRAR.exe"



Now you can double click on the EAR file (RMEx_XXXX.ear)



- This will start WinRAR
- Double click on the **RMExDefault.war** file



• Click on the **WEB_INF** folder:

RMExDefault.war\WEB-INF - ZIP archive, unpacked size 13,739,929 bytes					
Name 🔺	Size	Packed	Туре	Modified	
]]			File folder		
🐌 classes			File folder	3/17/2011	
\mu lib			File folder	3/17/2011	
퉬 profiles			File folder	3/17/2011	
퉬 tld			File folder	3/17/2011	
퉬 wsdl			File folder	4/12/2011 !	
🔮 faces-config.xml	1,080	475	XML Document	1/21/2011	
📄 ibm-web-bnd.xmi	294	201	XMI File	1/21/2011	
📄 ibm-web-ext.xmi	621	332	XMI File	1/21/2011	
📄 web.xml	15,147	3,843	XML Document	2/7/2011 1:	

• Click on the **profiles** folder:



Now you can see the application.hap file. Open the file and search for the IP address and change it with the new IP address where the WebSphere Application Server was installed and save your changes. You will have to search "hostname" and change the value.
 <setting name="hostname" value="192.169.0.7"/>

Connections Connections
Connections Connections Connections Connections Notsimulations Connections Macros ServiceHistory.xml
Connections Connections Provents Connections Connecti
Connections connections hostsimulations macros serviceHistory.xml
events hostsimulations macros .serviceHistory.xml
in hostsimulations important for the second
Commerces
.serviceHistory.xml
ATT .
🗹 application.hap
resourceUpdate.sts

• Next click on the **connections** folder:



Now you can see the main.hco file. Open the file with Notepad and search for the IP address by searching for HOST. Now change this file with the IP address of the <u>iSeries</u> you will be using and

save your changes. This is important to note if you have installed WAS on a PC server instead of the iSeries since this would be a different IP address for this file only.



These files will need to be modified to move forward with Events and Dashboard

- 1. Modifying QuantraxDialog.js File manually
 - From the root of the RMExDefault RAR (when you first open it)
 - Double click on the **RMExDefault.war** file

<u>`</u>
🛅 itlm
alogs
META-INF
🔊 bidibean.jar
habeansnlv2.jar
🗟 hasslite.jar
🗟 hatscommon.jar
🗟 hatsruntime.jar
HatsService.jar
🔊 hodwel.jar
🔊 hostsim. jar
🔊 hsrendering.jar
🔊 ibmjlog.jar
🔄 WFCommon.jar
HATSAdministrator.scope
product.xml
RMExDefault.war
runtime-debug.properties
🔊 runtime.properties

• Now double click on the **common** folder



- Look for **QuantraxDialog.js** file. Open the file in notepad and search for:
 - i. "function GetnewURI()"
 - Change the IP address to that of the PC Server where the EVENTS and the DASHBOARD is installed

```
function GetnewUR1()
{
    var newqry ="http://192.169.0.134/events/clearsession.aspx";
    return newqry;
}
```

- Now modify the lxgwfunctions.js File manually from the common folder
- double click on the common folder again



- Look for the **lxgwfunctions.js** file. Open the file in notepad and search for:
 - i. "function callDashBoard(companyCode)"
- ii. "function ShowWindowEx(USERID,CLIENTCODE,ACCOUNTSTATUS, DESCRIPTIONCODES,LEGALFLAG,LINKEDBALANCE,ACAT,CASEno,COMPANYno)"
 - o change the IP address to that of the EVENTs and DASHBOARD PC for each

```
var eventURl= "";
function ShowWindowEx(USERID,CLIENTCODE,ACCOUNTSTATUS,DESCRIPTIONCODES,LEGALFLAG,LINKEDBALANCE,ACAT,CASEno,COMPANYno) {
try {
    //alert(" userid "+USERID+" client code "+CLIENTCODE+" account status"+ACCOUNTSTATUS+" description code "+DESCRIPTIONCODE
    legalflag "+LEGALFLAG+" linkbalance "+LINKEDBALANCE+" acat "+ACAT+" case# "+CASEno+" company # "+COMPANYno+" url "+URL)
var URl="http://192.169.0.134/events/default.aspx";
var
    gry=URl+"?userid="+USERID+"&clientcode="+CLIENTCODE+"&accstatus="+ACCOUNTSTATUS+"&descode="+DESCRIPTIONCODES+"&lglflag="+LEGALFLAC
    inkedbalance="+LINKEDBALANCE+"&cat="+ACAT+"&company="+COMPANYno+"&caseno="+CASEno;
eventURl = qry;
//x.ShowWindow(USERID,CLIENTCODE,ACCOUNTSTATUS,DESCRIPTIONCODES,LEGALFLAG,LINKEDBALANCE,ACAT,COMPANYno,CASEno,URl);
/*
```

```
function callDashBoard(companyCode) {
    var url = "http://<mark>222.165.139.22</mark>/QuantraxDashboard/Home.aspx";
    var qry = url + "?companycode="+companyCode;
    window.open(qry);
}
- ....
```

Installing the GUI Application on the WebSphere Application Server (WAS) Version 6.1 on the iSeries

 Use Internet Explorer to open the Administration Console for WAS running on your iSeries. Use the following format for the URL "http://XXX.XXX.XXX.10002/ibm/console".
 (The "X's" are the IP address for your iSeries)

(The "X's" are the IP address for your iSeries)

You will see the following screen. There is no 'Log In' set so you are required to hit Log In without entering any User ID. This page also can be varied depending on the clients input. (We did not set up a User ID or Password for this page. If the client sets up a User ID and Password for their Admin console, then they need to enter them on this page)

Address 🕘 http://192.169.0.7:10002/ibm/console
Welcome, please enter your information.
User ID:
Log in
The User ID does not require a password, and does not need to be a User ID of a user in the local user registry. It is only used to track user-specific changes to configuration data. Security is NOT enabled

2. Go to Applications \rightarrow Enterprise Applications page.

Welcome Logout Support	He
Welcome	
🗉 Guided Activities	
Applications	
Enterprise Applications	
Install New Application	
⊞ Resources	
Becurity Security	
🗉 Environment	
System administration	
Monitoring and Tuning	
Troubleshooting	
Service integration	
■ UDDI	

3. Click on the Install button to go to the Preparing for the Application Installation page

Ent	erpris	e Applications	
I	Enterp	rise Applications	
l	Jse thi	s page to manage installed applications. A single applicatio	n can be deployed onto multiple servers.
G	∃ Pref	erences	
	Start	Stop Install Uninstall Update Rollout Update	Remove File Export Export DDL Export F
	đ	*****	
1	Select	Name 🗘	Application Status 👲
		DefaultApplication_	⇒
		IBMUTC	⇒
		ivtApp	⇒
		<u>query</u>	⇒
	Total	4	

4. Specify the path of the EAR file that you just exported and click Next

aur to the new	application —			
D Local file sy	stem			
Full path			-	
C:\Docum	ents and Set	tting Browse		
) Remote file	system			
Full path				
				Browse
ontext root				
		Used only fo	r standalone We	b modules (.wai
s) and SIP mi	Jaules (Isar fi	lles)		
low do you wan	t to install the	application? —		
) Prompt me	only when ac	ditional infor	mation is require	ed.
) Show me al	installation -	options and p	oarameters.	

5. Now the page comes with installation options. Just click next with **no changes** on this page.

Specify options for installing enterprise applications and modules.					
Step 1: Select installation options	Select installation options				
<u>Sten 2</u> Map modules la Serveis	Specify the various options that are available to prepare and install your application.				
<u></u> <u>Scen 3</u> Summary	Precompile JavaServer Pages Files				
	Distribute application				
	Uze Binary Configuration				
	Deplay enterprise Deans				
	Application name LaoI_BAR				
	Create MBeans for resources				
	Enable class relaading				
	Relaad interval in seconds				
	Deplay Web services				
	Validate Input off/warn/fail warn ==				
	Process embedded configuration				
	File Permission Allow all files to be read out not written to Allow executables to execute Allow HTML and image files to be read by everyone				
	Set file permissions				
	. ''),dll+755#. ''),s0+755#. ''),8+755#. ''),s1+755				
	Application Build ID Unknown				
	Allaw dispatching includes to remote resources				
	Allaw servicing includes from remote resources				
Next Cancel					

6. Just go with defaults and click next on the Mapping Modules to Servers screen

Ir	Install New Application						
	Specify options for installing enterprise applications and modules.						
	<u>Step 1</u> Select						
	→ Step 2: Map modules to servers	Specify targets such as application servers or clusters of application servers where y the modules that are contained in your application. Modules can be installed on the server or dispersed among several application servers. Also, specify the Web server serve as routers for requests to this application. The plug-in configuration file (plugin Web server is generated, based on the applications that are routed through.					
	<u>Step 3</u> Summary	Clusters and Servers: WebSphere coll=boshNode02Cell pode=boshNode02 server=server1					
	Summery						
		Select	Module	URI	Server		
			Lab1	Lab1.war,WEB- INF/web.xml	WebSphere:cell=hoshNode02Cell,node=hoshNode0		
Previous Next Cancel							

7. Mapping security roles to users/groups screen. Just leave the defaults and click **Finish**.

<u>Scenti</u> Select installation	Summary	Summery Summery of installation options			
	Summary of installation option				
<u>Steo z</u> i Mapimodules la servers	Options	Values			
, Step 3: Summary	Precompile JavaServer Pages Files	Na			
	Directory to install application				
	Distribute application	Yes			
	Use Binary Configuration	Na			
	Deploy enterprise beans	Na			
	Application name	LaD1_EAR			
	Create MBeans for resources	Yes			
	Enable class reloading	Na			
	Reload interval in seconds				
	Deploy Web services	Na			
	Validate Input off/wain/fail	wain			
	Process embedded configuration	Na			
	File Permission	.*\.dll=755¥.*\.sa=755¥.*\.a=755¥.*\.sl=755			
	Application Build ID	Unknawn			
	Allow dispatching includes to remote resources	Na			
	Allow servicing includes from remote resources	Na			
	Cell/Node/Server	Click Neve			

8. When it finishes you will notice another page showing that the EAR Application was installed successfully. On this Page hit the **Save** option as shown below:

Integrated Solutions Console Welcon	ne wasadmin Help Logout					
View: All tasks	ADMA50051: The application RMExDefault_EAR is configured in the WebSphere Application Server repository.					
Welcome	ADMA50531: The library references for the installed optional package are created.					
🗉 Guided Activities						
⊞ Servers	ADMA5005I: The application RMExDefault_EAR is configured in the WebSphere Application Server repository.					
Applications Enterprise Applications Install New Application	ADMA50011: The application binaries are saved in C:\Program Files\IBM\SDP\runtimes\base_v61\profiles\was61profile1 \wstemp\514564614\workspace\cells\royalNode01Cell\applications\RMExDefault_EAR.ear\RMExDefault_EAR.ear					
	ADMA5005I: The application RMExDefault_EAR is configured in the WebSphere Application Server repository.					
⊞ Security	SECJ0400I: Successfuly updated the application RMExDefault_EAR with the appContextIDForSecurity information.					
🗄 Environment	ADMAROOFLITE and institution DME: Default FAD is confirmed in the Methodeland Application Comparison and					
Services	ADMASUUSI: The application RMEXDefault_EAR is configured in the webSphere Application Server repository.					
	ADMA5011I: The cleanup of the temp directory for application RMExDefault_EAR is complete.					
⊞ Users and Groups	ADMA50131: Application PMExDefault EAP installed successfully					
Monitoring and Tuning	Abite Solida Application (CHEXDeliade EXAC Instance Sociession).					
	Application RMExDefault_EAR installed successfully.					
 ■ Service integration ■ UDDI 	To start the application, first save changes to the master configuration.					
	Changes have been made to your local configuration. You can: Save directly to the master configuration. Review changes before saving or discarding. To work with installed applications, click the "Manage Applications" button.					
	to work with instance apprearions, click the intallage Applications button.					
<	Manage Applications					

9. Now the installation of EAR Application is complete. The RMExDefault EAR Application can be started by checking the box under 'select' and clicking start.

Er	Enterprise Applications							
	Enterprise Applications							
Use this page to manage installed applications. A single application can be deployed onto multiple serv. 🗈 Preferences								
							Start	Stop Install Uninstall Update Rollout Update
1	QC							
	Select	Name 🗘	Application Status 👲					
		DefaultApplication_	\$					
		IBMUTC_	\$					
		RMExDefault_EAR_	*					
		ivtApp	⇒					
		<u>query</u>	\$					
	Total 5							

10. The top of the next screen will display the message that the Application started successfully, as shown below:

Enterprise Applications								
	Messages Application RMExDefault_EAR on server server1 and node royalNode01 started successfully.							
Enterp	Enterprise Applications							
Use th	Use this page to manage installed applications. A single application can be deployed onto multiple servers.							
🕀 Pret	iferences							
Start	Stop Install Uninstall Update Rollout Update	Remove F	File Export Export DDL	Export F				
Select	Name 🗘	Application Status 👲						
	DefaultApplication	€						
	IBMUTC	€						
	RMExDefault_EAR_	\$						
	ivtApp	\$						
	<u>query</u>	€						
Total	Total 5							

NOTE: If the Admin Console is not working then try restarting the WebSphere Application Server (WAS). These details were provided earlier in the documentation under "**How to Start/Stop/Restart the WebSphere Application Server (WAS)**".