WebSphere Application Server (WAS) for GUI

Preliminary details to retrieve before implementing GUI

Please answer the questions in this document and return to <u>support@quantrax.com</u> if you are interested in moving forward with GUI.

- 1. What IBM Operating System are you currently running? Need to be on V5R4M0 or higher.
- 2. Are your PTF's current on your iSeries? PTF's may be needed if you need to upgrade some of the software.
- 3. Have you loaded the latest Cumulative PTF from IBM Fix Central? (pls contact your IBM rep or IBM support for access to IBM Fix Central)
- 4. Do you have the WebSphere Application Server /WebSphere Application Server Express running on your iSeries machine? It normally comes free with the iSeries machine. Note: WAS can also run on a PC. Let us know if this is the direction you would like to take. There will be added costs associated with this set up.

_ 🗆 🗙 Ession C - [24 x 80] File Edit View Communication Actions Window Help 🖻 🗈 🗗 🚛 🛤 🔳 📾 😹 🛃 🌒 🔗 MAIN System i Main Menu Sustem: S06D7845 Select one of the following: 1. User tasks 2. Office tasks 3. General system tasks 4. Files, libraries, and folders 5. Programming 6. Communications 7. Define or change the system 8. Problem handling 9. Display a menu 10. Information Assistant options 11. System i Access tasks 90. Sign off Selection or command ==> <mark>go licpgm</mark> F3=Exit F4=Prompt F9=Retrieve F12=Cancel F13=Information Assistant F23=Set initial menu С 20/007 I902 - Session successfully started

Sign on as QSECOFR and type "go licpgm" on the command line and hit enter as shown below:

Now you will see the below screen

26 Session C - [24 x 80]	
File Edit View Communication Actions Window Help	
LICPGM Work with Licensed Programs	etoni SOCD7945
Select one of the following:	Stem: 50007645
Manual Install 1. Install all	
Preparation 5. Prepare for install	
Licensed Programs 10. Display installed licensed programs 11. Install licensed programs 12. Delete licensed programs 13. Save licensed programs	
Selection or command ===>	More
F3=Exit F4=Prompt F9=Retrieve F12=Cancel F13=Informati F16=System Main menu	on Assistant
	20/007
1902 - Session successfully started	

Take option 10 from the above screen and then you will see the below screen

📲 Session C - [24 x 80]	_ 🗆 🗙
File Edit View Communication Actions Window Help	
Display Installed Licensed Programs	
System:	S06D7845
Licensed Installed	
Program Status Description	
5761SS1 *COMPATIBLE Library QGPL	
5761SS1 *COMPATIBLE Library QUSRSYS	
5761SS1 *COMPATIBLE i5/OS	
5761SS1 *COMPATIBLE Extended Base Support	
5761SS1 *COMPATIBLE Online Information	
5761SS1 *COMPATIBLE Extended Base Directory Support	
5761SS1 *COMPATIBLE Host Servers	
5761SS1 *COMPATIBLE Integrated Server Support	
5761SS1 *COMPATIBLE Qshell	
5761SS1 *COMPATIBLE Domain Name System	
5761SS1 *COMPATIBLE Portable App Solutions Environment	
5761SS1 *COMPATIBLE Digital Certificate Manager	
5761SS1 *COMPATIBLE Performance Viewer Open Source Components	
5733906 *INSTALLED Server Firmware	
	More
Press Enter to continue.	
F3=Exit F11=Display release F12=Cancel F19=Display trademarks	
(C) COPYRIGHT IBM CORP. 1980, 2007.	
MA C	01/001

Roll down for WebSphere...

If the WAS is already installed in the iSeries, then you will see the status as Installed as shown below. (Page up/down to view the details)

Session C -	[24 x 80]		- 🗆 X
File Edit Vi	ew Communication	n Actions Window Help	
	.		
	D	isplay Installed Licensed Programs	
		System:	S06D7845
Licensed	Installed		
Program	Status	Description	
5761WDS	*COMPATIBLE	System/36 Compatible COBOL	
5761WDS	*COMPATIBLE	System/38 Compatible COBOL	
5761WDS	*COMPATIBLE	OPM COBOL	
5761WDS	*COMPATIBLE	ILE COBOL *PRV Compiler	
5761WDS	*COMPATIBLE	ILE C	
5761WDS	*COMPATIBLE	ILE C++	
5761WDS	*COMPATIBLE	IXLC for C/C++	
5761WDS	*CUMPHIIBLE	Wurkstation Tools - Base	
5733W61	*INSTALLED	WebSphere Application Server V6.1 for i5/OS	
5733W61	*INSTALLED	WebSphere Application Server V6.1 Express	
5761XE1	*COMPATTRLE	TRM System i Access for Windows	
5761XH2	*COMPATIBLE	IBM System i Access for Web	
5761XW1	*COMPATIBLE	IBM System i Access Family	
5761XW1	*COMPATIBLE	System i Access Enablement Support	
			More
Press Ent	er to continu	е.	
F3=Exit	F11=Display	release F12=Cancel F19=Display trademarks	
MA C			01/001

Remain on this screen for the next step

5. What is your version of the WebSphere Application Server (WAS)?

Hit F11 (F11 – Display release) from the above screen. Now you will see the below screen with the version details...

Session C -	[24 x 80]		_ D X
File Edit Vie	ew Communicati	on Actions Window Help	
	.	i 🐚 🛃 💩 💓	
		Display Installed Licensed Programs	
		System	: \$06D7845
Licensed	Installed		
Program	Release	Description	
5761WDS	V6R1M0	System/36 Compatible COBOL	
5761WDS	V6R1M0	System/38 Compatible COBOL	
5761WDS	V6R1M0	OPM COBOL	
5761WDS	V6R1M0	ILE COBOL *PRV Compiler	
5761WDS	V6R1M0	ILE C	
5761WDS	V6R1M0	ILE C++	
5761WDS	V6R1M0	IXLC for C/C++	
5761WDS	VORINO	Workstation Tools - Base	
5733W61	V6R1M0	WebSphere Application Server V6.1 for i5/OS	
5733W61	V6R1M0	WebSphere Application Server V6.1 Express	
5761XE1	V6R1M0	TBM System i Access for Windows	
5761XH2	V6R1M0	IBM System i Access for Web	
5761XW1	V6R1M0	IBM System i Access Family	
5761XW1	V6R1M0	System i Access Enablement Support	
			More
Press Ent	er to contin	ue.	
F3=Exit	F11=Display	option F12=Cancel F19=Display trademarks	
MA C			01/00

Our version shows "V6R1M0". This is the version you will need to have installed.

6. Please provide the Admin ID and password for WebSphere Application Server (WAS).



 JAVA - JAVA Options 6, 7 & 8 needs installed as shown below: (5722JV1-6 5722JV1-7 5722JV1-8)

	_		Display Installed Licensed Programs	01050500
	Licenced	Dueduet	System:	SIUE9B6C
	Licensed	Product	Deservise	
	Program	Uption	Description	
	5722821	*BHSE	IBM BUSINESS Solutions	
	5722061	*BHSE	IBM HITP Server for 15/US	
	5722DG1	1	Triggered Cache Manager	
	5722JC1	*BASE	IBM Toolbox for Java	
	5722361	*BUSE	IBM Advanced Job Scheduler for 15/08	
	5722JV1	*BASE	IBM Developer Kit for Java	
	5722JV1	5	Java Developer Kit 1.3	
	5722JV1	6	Java Developer Kit 1.4	
	5722JV1	7	Java Developer Kit 5.0	
	5722JV1	8	J2SE 5.0 32 bit	
	5722QU1	*BASE	IBM Query for iSeries	
	5722371	*DAGE	DD2 Query Mgr and SQL DevKit	
	5722TC1	*BASE	IBM TCP/IP Connectivity Utilities for i5/0S	
	5722WDS	*BASE	WDS for iSeries	
				More
	Press Ent	er to con	tinue.	
	F3=Exit	F11=Disp	lay status F12=Cancel F19=Display trademarks	
			5	
MA B		М₩	01/00	1

8. What is your admin console IP address (the IP address of your iSeries)? That is the ip address of the machine where the WebSphere Application Server is installed? To retrieve this address:

Type "netstat" on a command line and enter. The following screen will be presented. (You need to use the ADMIN user id/password e.g., QSECOFR)

🚆 (A) TN5250 (192.169.0.7) - PowerTerm InterConnect/32		
File Edit Terminal Communication Options Script Help		
2 🛃 6 6 6 🗃 X = 🖩 ?		
MAIN	i5/0S Main Menu	
	Sy	/stem: \$10E9B6C
Select one of the following		
1. User tasks		
2 Office tasks		
3 General system task		
4 Eilee Libeenise e	d foldere	
4. Files, libraries, a	a folders	
5. Programming		
6. Communications		
7. Define or change th	system	
8. Problem handling		
9. Display a menu		
10. Information Assista	t options	
11 iSeries Access task		
90 Sign off		
50. Sign off		
Online Line and Annual I		
Selection or command		
===> <u>netstat</u>		
F3=Exit F4=Prompt F9=Re	rieve F12=Cancel F13=Informati	ion Assistant
F23=Set initial menu		
Type option number or comma	d.	
		⇒ 20/015
F1 F2 F3 F4 F5	F6 F7 F8	F9 F10 F11 F12
5250 Display 20:15 Caps Hold On Line		

and the next screen will appear...take option 1. Work with TCP/IP interface status

🚊 (A) TN5250 (192.169.0.7) - PowerTerm InterConnect/32				- 8 ×
Work with TCP/IP Network Status Select one of the following:	System:	S10E9B6C		
 Work with TCP/IP interface status Display TCP/IP route information Work with TCP/IP connection status Work with IPv6 interface status Display IPv6 route information Work with IPv6 connection status Selection or command ==> F3=Exit F4=Prompt F9=Retrieve F12=Cance1				
⇔		⇒ 21/007		
F1 F2 F3 F4 F5 F6 F7 F8 F000 Number 29:7 Connection F4 F5 F6 F7 F8	F9	F10	F11 F12	

Now you will see the ip address of the iSeries where you installed the WAS. See the next screen shot.

🧮 (A) TN5250 (192.169.0.7) - Power	Term Into	erConnect/32								_ 8 ×
File Edit Terminal Communication O)ptions Sc Weilsmall E	rript Help								
		≝_≛_								
			Work	with TCP/	IP Interface St	atus				
							System:	S10E9B6C		
	туре	e options, pressi Dicplay datails	enter.		ninted neutron	0-Stop	t 10-End			
	12	-bisplay details 2=Work with confi	o-Dis nuratio	n status	14=Display_mu	ulticast	anoups			
			garacio							
		Internet	Netwo	rk	Line	Interfa	ace			
	0pt	Address	Addre	ss	Description	Status				
		127.0.0.1	127.0	.0.0	*LOOPBACK	Active				
		192.109.0.7	192.1	09.0.0	ETHEINOT	HELIVE				
								Bottom		
	F3=E	Exit F9=Command	line	F11=Disp	lay line inform	ation	F12=Cance			
	F13-	-Sort by column		F20-WOrk	with 1896 Inte	Taces	r24-More	keys		
	(⇒		⇒ 09/002		
F1 F2		F3 F4	F5	F6	F7	F8	F9	F10	FII	F12

9. If there is a User name and password required to access the admin console, please provide it. We need these details to upload the EAR file in the iSeries.



10. Is your WebSphere Application Server (WAS) currently up and running? To verify follow below-

To verify that the HTTP server for WAS is running, type "WRKACTJOB" on a command line. See below.



The status of the HTTP server under "QHTTPSVR" sub system will display as shown below if active.

🚊 (A) TN5250 (192.169.0.7) - PowerTerm In	terConnect/32							_ 8 ×
File Edit Terminal Communication Options S	icript Help							
🚊 🛋 🖻 🖻 🚵 🗶 💻	▦_?							
		W	ork with	Active	Jobs		S10E9B6C	
						01/25/11	07:38:37	
CPU	%: 2.1	Elapsed ti	me: 00	:56:15	Active job	s: 432		
_								
l yp	e options, press	Enter.						
2	-Unange 3-Hold -Work with speel	ad filos	D=WOFK	with	6-Release /-	Display mes	ssage	
0	-MOLK WITH SPOOT	Current	10-0150	onnect				
Opt	Subsystem/Job	User	Type	CPU %	Function	Status		
	DSP01	QSECOFR	INT	. 0	MNU-MAIN	DSPW		
_	WSTSSLU	WPGMR	всн	. Ū	PGM-QEZSCNEP	EVTW		
	QHTTPSVR	QSYS	SBS			DEQW		
	ADMIN	QTMHHTTP	BCH		PGM-QZHBMAIN	SIGW		
_	ADMIN	QTMHHTTP	BCI		PGM-QZSRLOG	SIGW		
	ADMIN	QTMHHTTP	BCH	. 0	PGM-QLWISVR	JVAW		
	ADMIN	QTMHHTTP	BCI	. 0	PGM-QZSRHTTP	SIGW		
—	ADMIN	BUDDHIKA	BCI	. 0	PGM-QYUNLANG	TIMW		
—	ADMIN	INIGU12	BCI	. U	PGM-QYUNLANG	IIMW	Maria	
Pop	amatana an aomma	nd					more	
Fai -	ameters or comma >	nu						
F3=	Exit F5=Refres	h F7	=Find	F10=	Restart statis	tics		
F11	=Display elapsed	data F1	2=Cancel	F23=	More options	F24=More k	evs	
							⇒ 10/002	 500
5250 Display 10:2 Caps Hold On L	ine 14	15	1 16		7 18	13	FIU	 F12

Once these steps are answered and or verified we can configure the WAS server and proceed.

11. Please make sure that a PC (GUI server) is connected to the iSeries is up and running.

- **12.** If the GUI server is already up and running, please provide the IP address for this server.
- 13. Please install the free version of Teamviewer on the GUI server. Send us the version of the Teamviewer installed on this PC. Once installed, double click on the icon on the desktop and provide the Session ID and Password to us. Please make sure the password is static so we can have access if the PC needs restarted.

We need to transfer the EAR file to the PC first and then we can start to deploy the EAR file on the iSeries...

(You may be purchasing a new PC (GUI server) to handle all of the RMEx components – please speak to us about this server)

14. Also, a VPN connection for the iSeries will be needed. Or if you already have a TCPIP connection with us...just let us know.