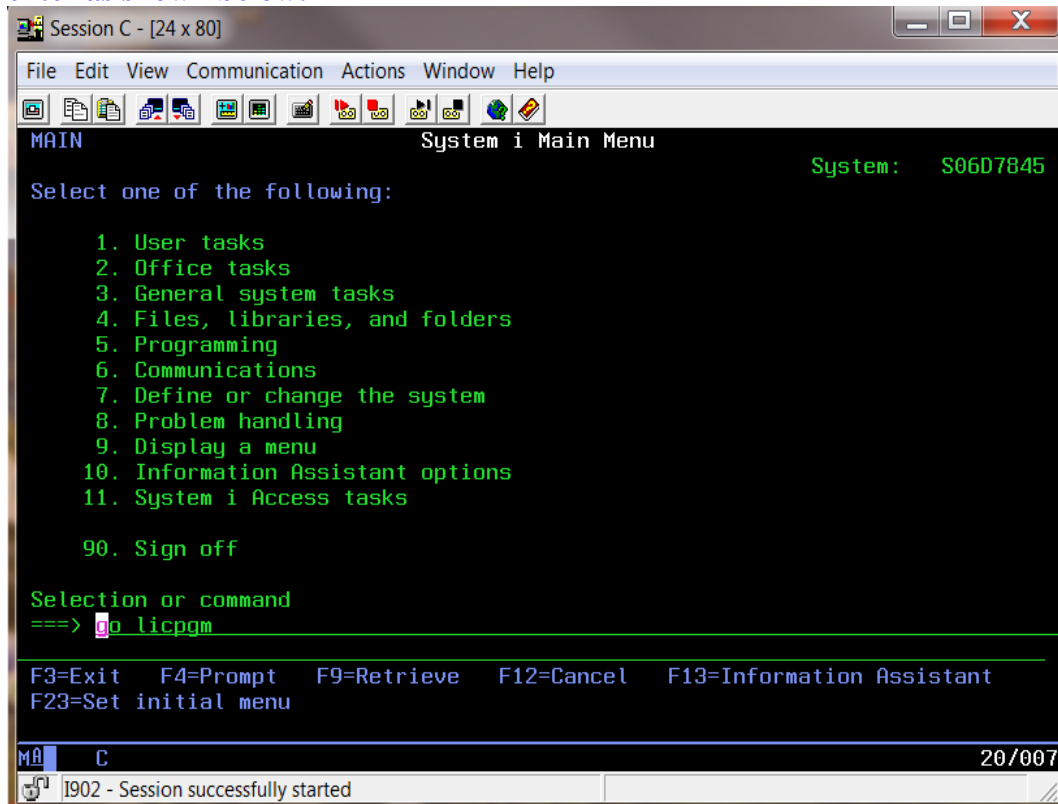# WebSphere Application Server (WAS) for GUI

Preliminary details to retrieve before implementing GUI

Please answer the questions in this document and return to support@quantrax.com if you are interested in moving forward with GUI.
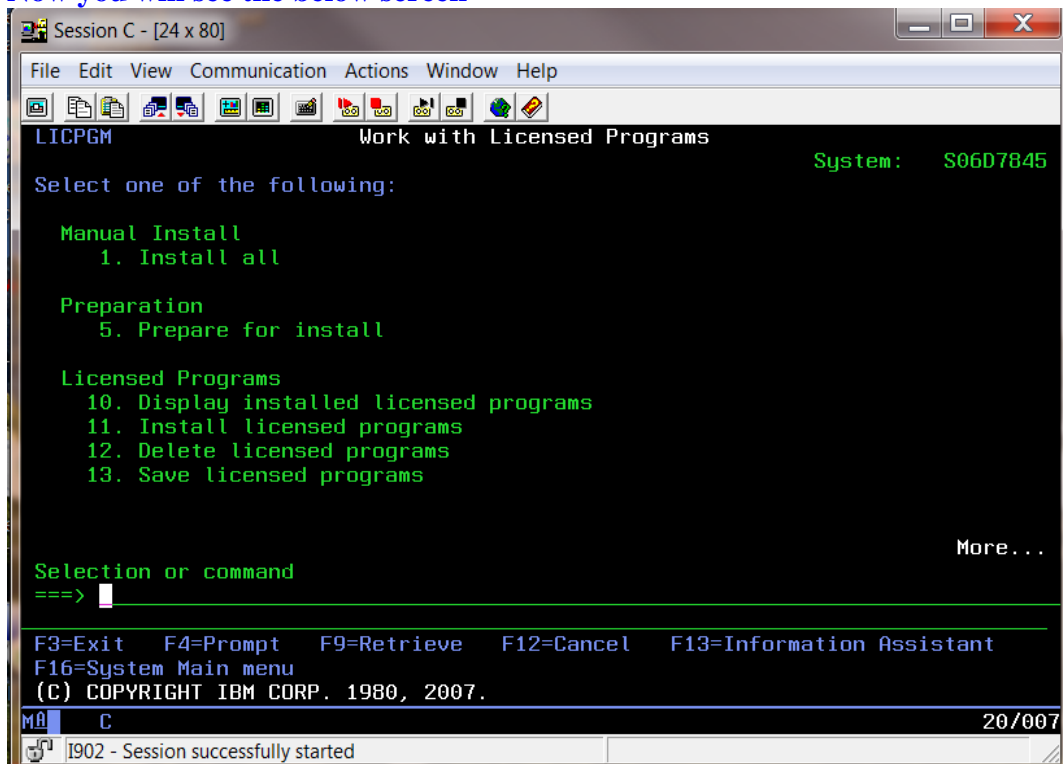
1. What IBM Operating System are you currently running? Need to be on V5R4M0 or higher.

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.

   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

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]
File  Edit  View  Communication  Actions  Window  Help

                    Display 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    *COMPATIBLE  Workstation Tools - Base
5733W61    *INSTALLED   WebSphere Application Server V6.1 for i5/OS
5733W61    *INSTALLED   WebSphere Application Server V6.1 Express
5761XE1    *COMPATIBLE  IBM 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 Enter to continue.

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]

File  Edit  View  Communication  Actions  Window  Help

                    Display Installed Licensed Programs
                                                    System:   S06D7845
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    V6R1M0     Workstation Tools - Base
5733W61    V6R1M0     WebSphere Application Server V6.1 for i5/OS
5733W61    V6R1M0     WebSphere Application Server V6.1 Express
5761XE1    V6R1M0     IBM 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 Enter to continue.

F3=Exit   F11=Display option   F12=Cancel   F19=Display trademarks

MA   C                                                       01/001
```

   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).

   _____ / _____

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

```
                  Display Installed Licensed Programs
                                                        System:    S10E9B6C
        Licensed   Product
        Program    Option    Description
        5722BZ1    *BASE     IBM Business Solutions
        5722DG1    *BASE     IBM HTTP Server for i5/OS
        5722DG1    1         Triggered Cache Manager
        5722JC1    *BASE     IBM Toolbox for Java
        5722JS1    *BASE     IBM Advanced Job Scheduler for i5/OS
        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
        5722ST1    *BASE     DB2 Query Mgr and SQL DevKit
        5722TC1    *BASE     IBM TCP/IP Connectivity Utilities for i5/OS
        5722WDS    *BASE     WDS for iSeries
                                                                More...

        Press Enter to continue.


        F3=Exit   F11=Display status   F12=Cancel   F19=Display trademarks



MA      B                  MW                                   01/001
```

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
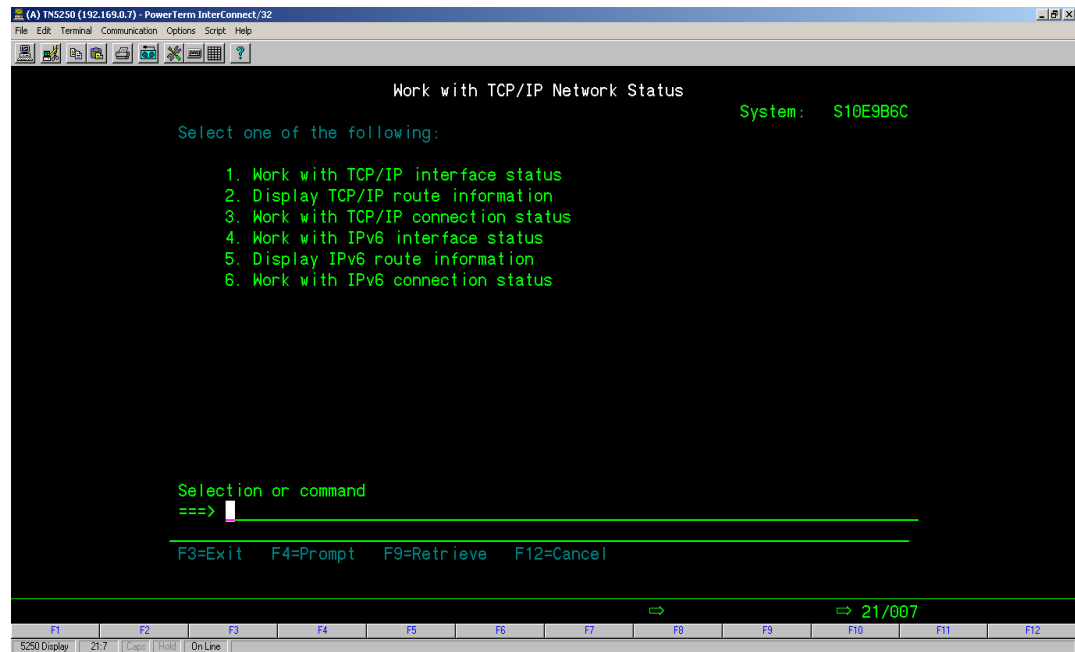   installed? To retrieve this address:

   **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

        MAIN                    i5/OS Main Menu
                                                   System:    S10E9B6C
        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. iSeries Access tasks

             90. Sign off

        Selection or command
        ===> netstat

        F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=Information Assistant
        F23=Set initial menu
        Type option number or command.
                                              ⇨            ⇨ 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

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) - PowerTerm InterConnect/32
File  Edit  Terminal  Communication  Options  Script  Help

                      Work with TCP/IP Interface Status
                                              System:   S10E9B6C
     Type options, press Enter.
       5=Display details   8=Display associated routes   9=Start   10=End
       12=Work with configuration status   14=Display multicast groups

              Internet         Network           Line       Interface
     Opt  Address          Address           Description  Status
      _   127.0.0.1        127.0.0.0         *LOOPBACK    Active
      _   192.169.0.7      192.169.0.0       ETHLIN01     Active

                                                              Bottom
       F3=Exit    F9=Command line   F11=Display line information   F12=Cancel
       F13=Sort by column           F20=Work with IPv6 interfaces  F24=More keys

                                              ⇨               ⇨ 09/002
```
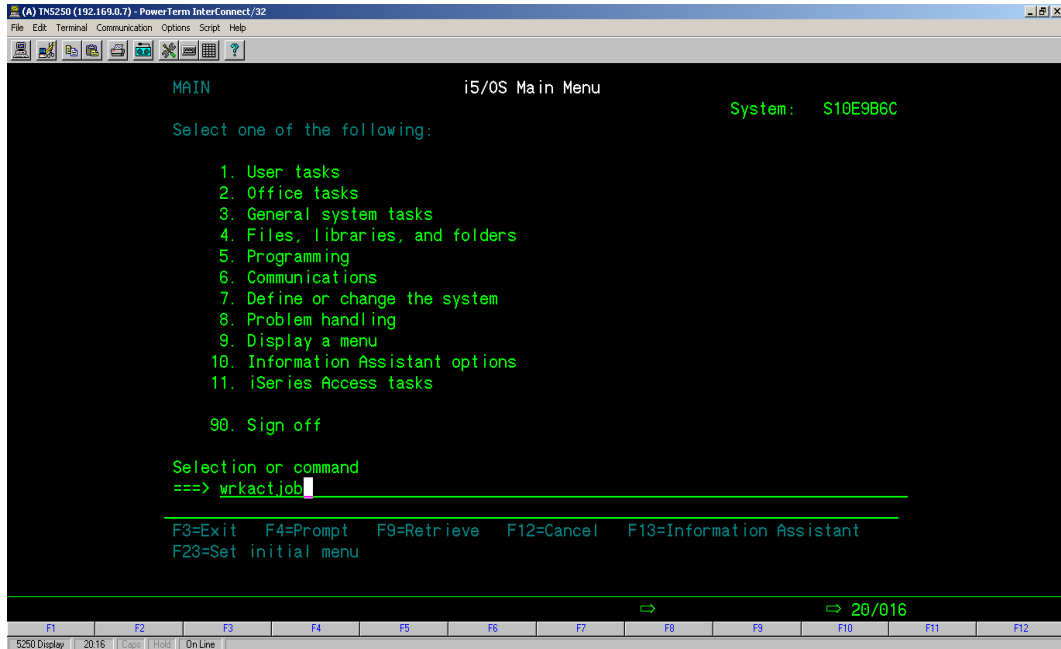
9. If there is a User name and password required to access the admin console, please provide it. We need these details to upload the EAR file in the iSeries.
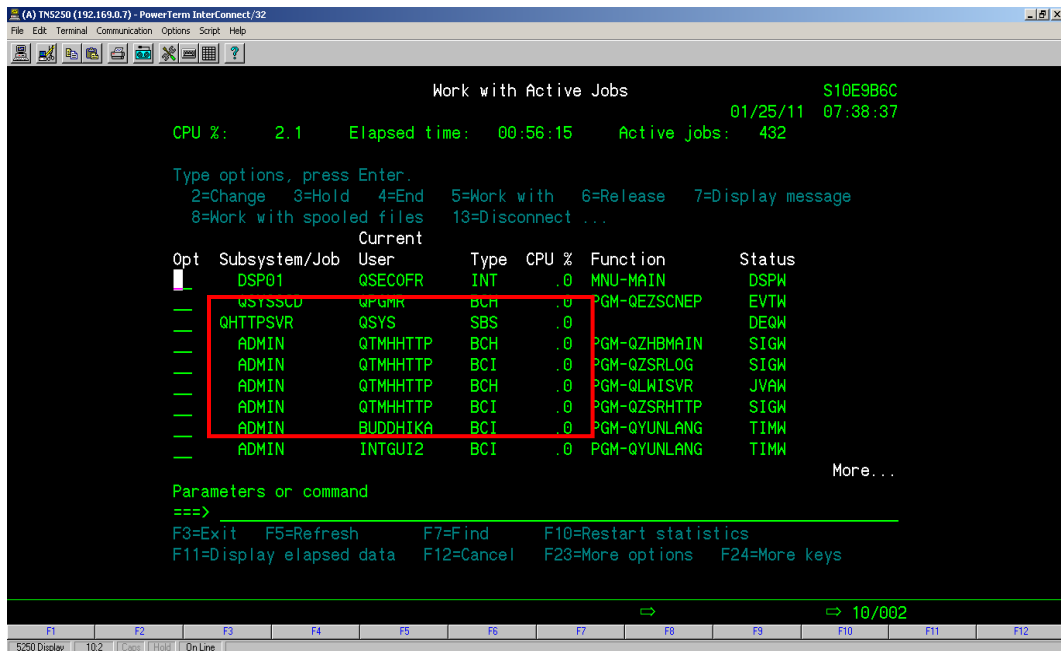
   Please provide the password for QSECOFR.

   QSECOFR /

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.

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.