Textura – CMS Interface Setup Manual

Version 1.1

January 4, 2007

Textura™
Construction Payment Management

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1 Setting up the CMS Interface on the iSeries

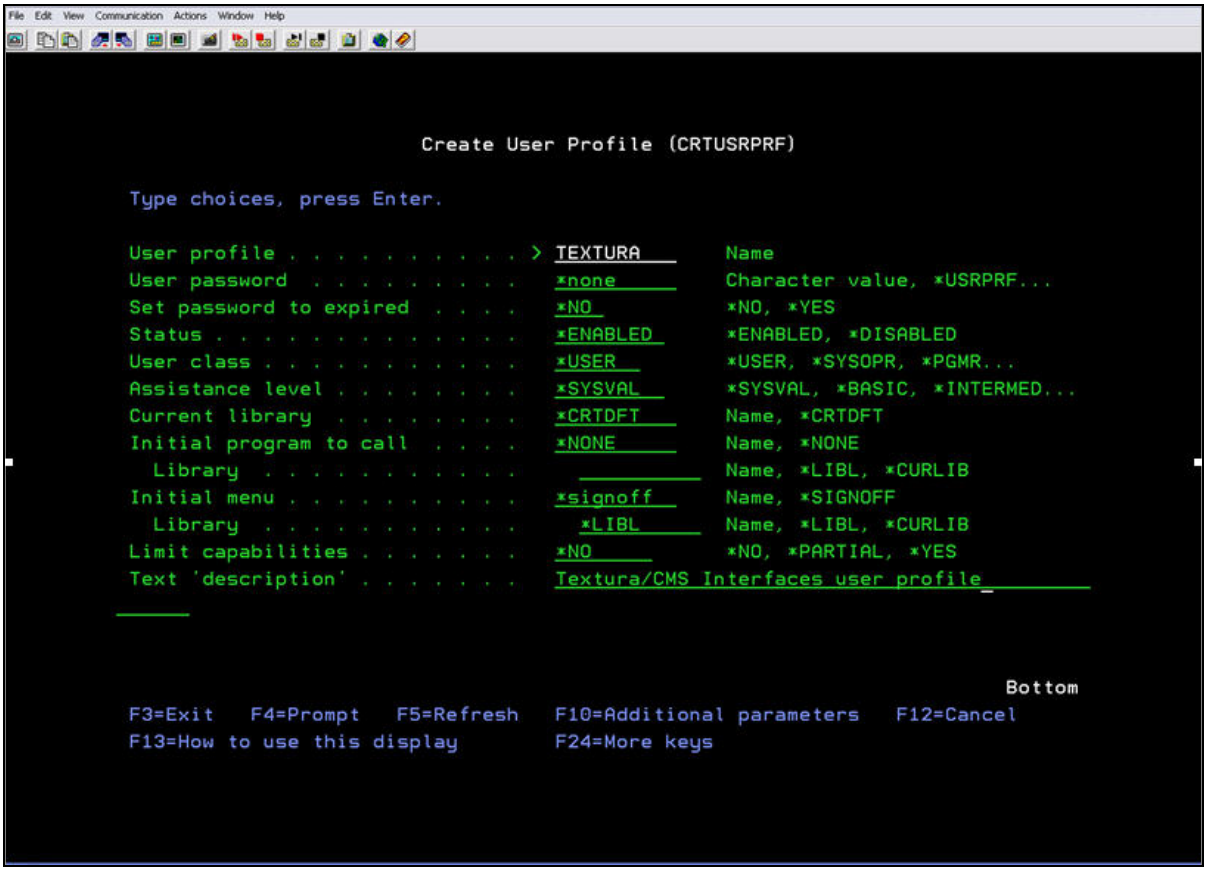
A. Creating a Textura User Profile on the iSeries

This profile will own all of the Textura/CMS interface objects that will be installed on your system.

To create the User Profile,

1. Using a profile that has the Master Security Officer authority, sign on to the iSeries.
2. Type the command **CRTUSRPRF TEXTURA**.
3. Press **F4**.

   The system displays the Create User Profile (CRTUSRPRF) screen.

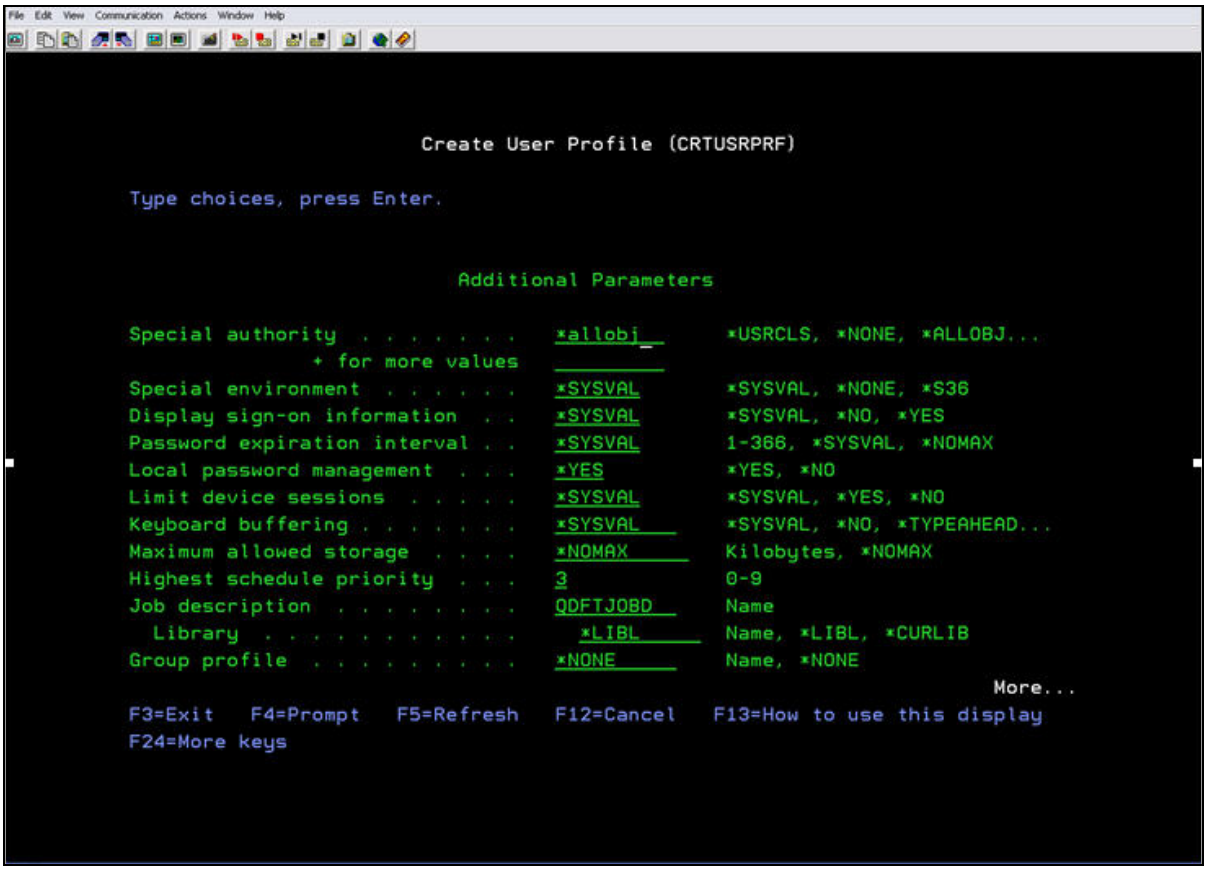


The following values should be defined for this user profile:

Field	Value
User Password	***none**
User Class	***USER**
Initial program to call	***NONE**
Initial Menu	*** signoff**
Limit user capabilities	***NO**
Special Authorities	***ALLOBJ**
Group Profile	***NONE**
Owner	***USRPRF**
Supplemental Groups	***NONE**
All other values for the user profile	**default values**

4. After entering ***none** for the User password, ***signoff** for the Initial menu, and the Text description, press **F10** for more parameters.
5. Page down to access additional parameters.

   The system displays the Create User Profile (CRTUSRPRF) Additional Parameters screen.



6. Type ***allobj** for Special authorities. All other parameters for this user profile will be the default values shown.
7. Press **Enter** to create the user profile.

   The system displays a message stating "User class and special authorities do not match system supplied values."

> **Note:** This is displayed because the special authorities of *Allobj are not routinely associated with a user class of *User. It is only an information message and will **NOT** cause any problems.

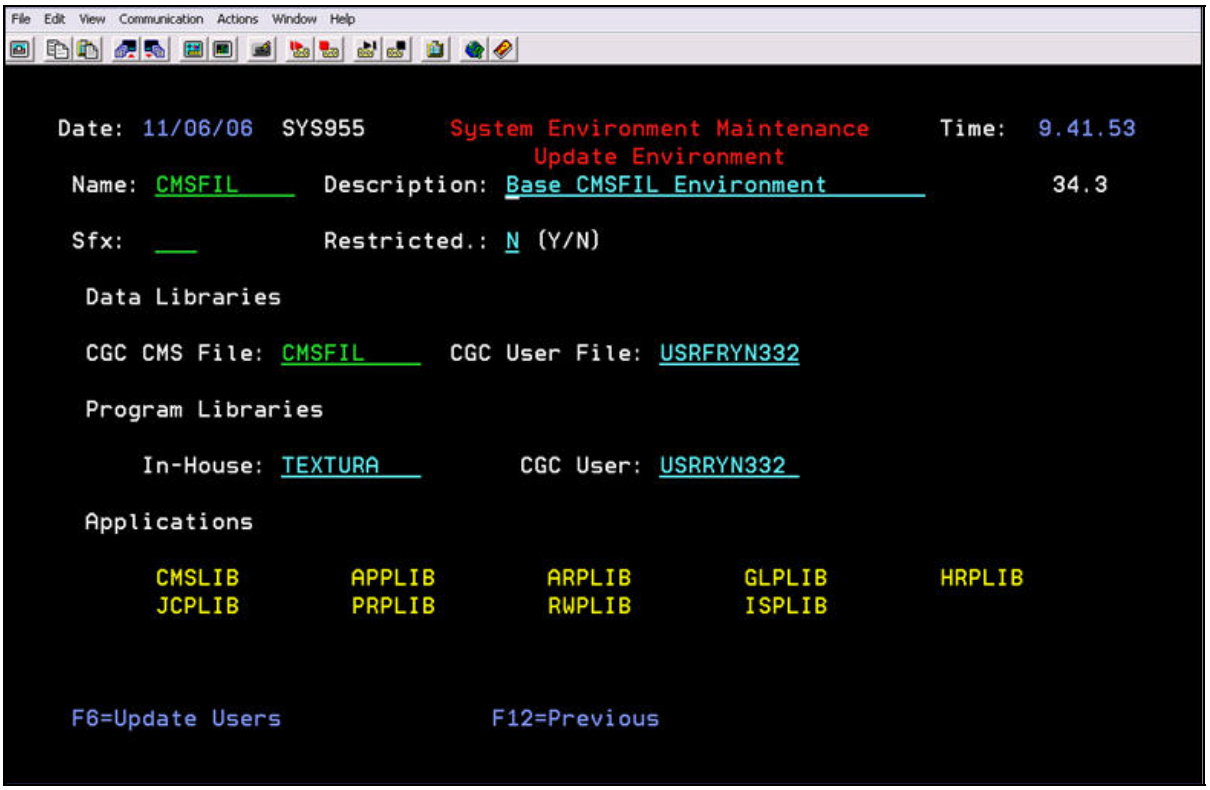
By setting up the user profile in this way no one will be able to sign on to the system as user "Textura." When the interface programs are run; however, the Textura user ID will have access to all necessary security objects to allow the Java programs to securely exchange files with the Textura web site.

B. Determining an already defined In-House Program Library

As the system master security officer,

1. Type **CALL SYS955**.
2. Press **Enter**.

   The system displays the System Environment Maintenance screen.



Use this screen to determine if an In-House program library has already been defined to your CMS configuration. If the In-House program library is not blank, this is the library in which to place all of the Textura interface programs and related objects.

3. Record this library name for use during the installation process.

If the In-House program library name is blank, you need to identify a new In-House program Library.

C. Identifying a New In-House Program Library

To identify a new In-House program Library if the In-House program library name is blank,

1. Exit the Update Environment screen.
2. Create a new library called TEXTURA by typing the command:

   CRTLIB LIB(TEXTURA) TEXT('Textura/CMS Interfaces').

3. To make the user profile TEXTURA the owner of the library, after creating the Textura library, type the Change Object Owner command:

   CHGOBJOWN OBJ(TEXTURA) OBJTYPE(*LIB) NEWOWN(TEXTURA)

4. Transfer the Textura Interface Save File from your PC to the iSeries via FTP.
   a. On the iSeries, create a temporary save file in library QGPL by entering the following command:

      CRTSAVF QGPL/TXTURASAVF.

   b. On your PC, enter DOS mode and perform following actions:
      i. Type the **ftp** (IP address of your iSeries) and press **Enter**.
      ii. Type your **iSeries Security Officer user ID** and press **Enter**.
      iii. Type your user **Password** (iSeries password for the Security Officer) and press **Enter**.
      iv. After you are logged on as the Security Officer, change to binary mode.
      v. Type **ftp>bin** and press **Enter**.
      vi. Temporarily place the Textura Interface save file in library QGPL on the iSeries by typing:

         ftp>put (directory path of save file/Textura.savf) **qgpl/txturasavf**.

         The system transfers the save file to the iSeries.

      vii. Type **ftp>quit** to end the ftp.
5. Restore the Textura Interface objects to the In-House program library found when you performed section “B. Determining an already defined In-House Program Library.” If no In-House program library was previously defined, the library name of TEXTURA will be used.
6. Type the Restore Object command to place all of the Textura/CMS interface objects in to the In-House library as follows:

   RSTOBJ OBJ(*ALL) SAVLIB(TEXTURA) DEV(*SAVF) SAVF(QGPL/TXTURASAVF) MBROPT(*ALL) RSTLIB({In House Library})

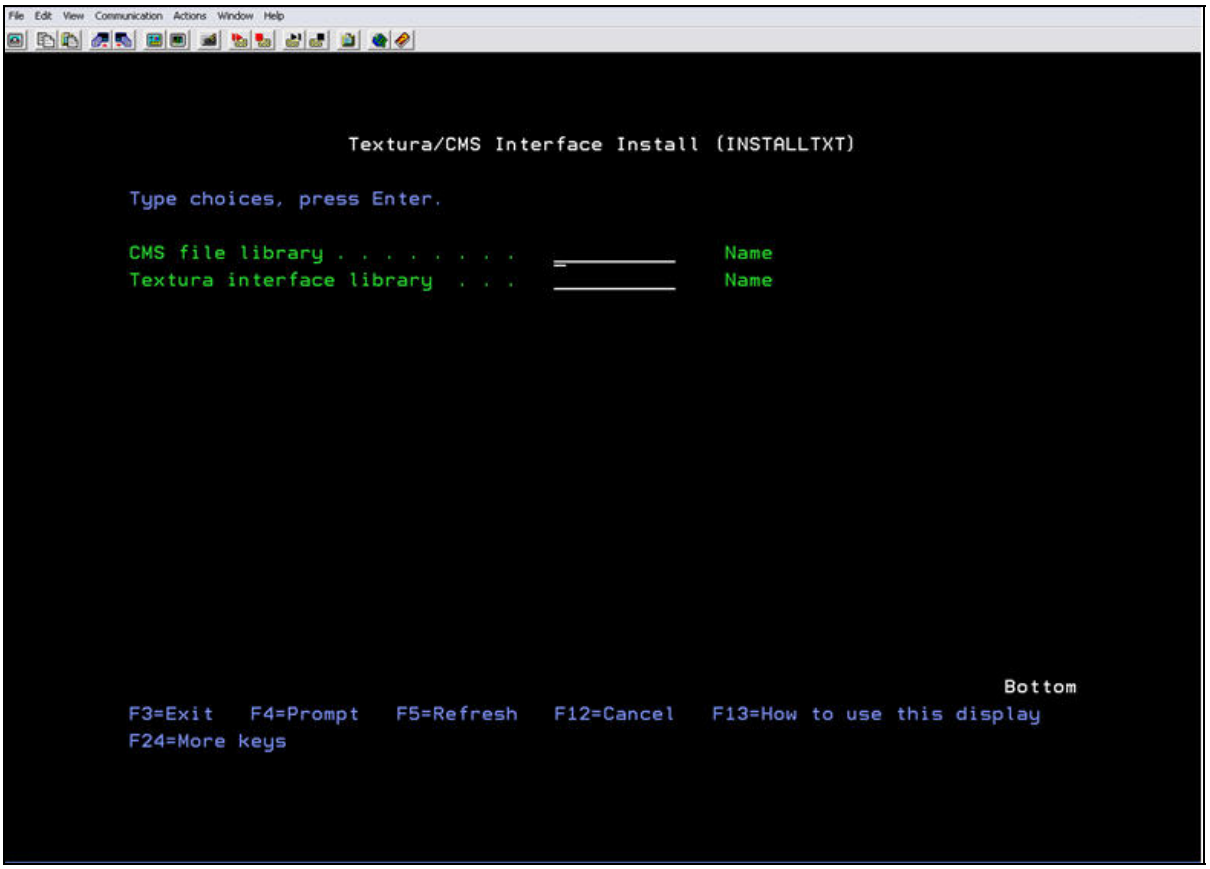
   If no In-House library was previously defined to CMS,

   a. Type **CALLSYS955**, press **Enter** and repeat step 2 above to define **TEXTURA** as your In-House program library.
7. After the TEXTURA programs have been restored to your system, type the following command to perform a series of installation activities:

   {In House Library}/INSTALLTXT

8. Press **F4**.

   The system displays the Textura/CMS Interface Install screen.



9. Type the name of the CMS file library, usually **CMSFIL**, and the In-House library containing the Textura/CMS interface objects.
10. Press **Enter**.

    The installation process performs the following activities:

    - Create Job Queue **TEXTURA** in library QGPL.
    - Create Job Description **TEXTURA** in library QGPL.
    - Add Job Queue Entry to the appropriate subsystem based on how the iSeries is configured. This will either be subsystem **QBATCH** or **QBASE**.
    - Add and place on hold two Job Schedule Entries, **TEXTURARCV** and **TEXTURASND**, to automatically start the send and receive jobs on Monday through Friday.
    - Restore the Textura directory to the IFS.
    - Place all Textura/CMS interface files into the CMS File library.
    - Add the TXTURA menu to the CMS menu system.

D. Checking for Object and Member Locks

After the install process has completed, use the following command to insure that no users are currently working with the three CMS files to which Textura trigger programs are going to be attached.

Note: You cannot attach the trigger programs while the files are in use.

Trigger programs will be attached to the following CMS files:

JCPCGO – Change Orders

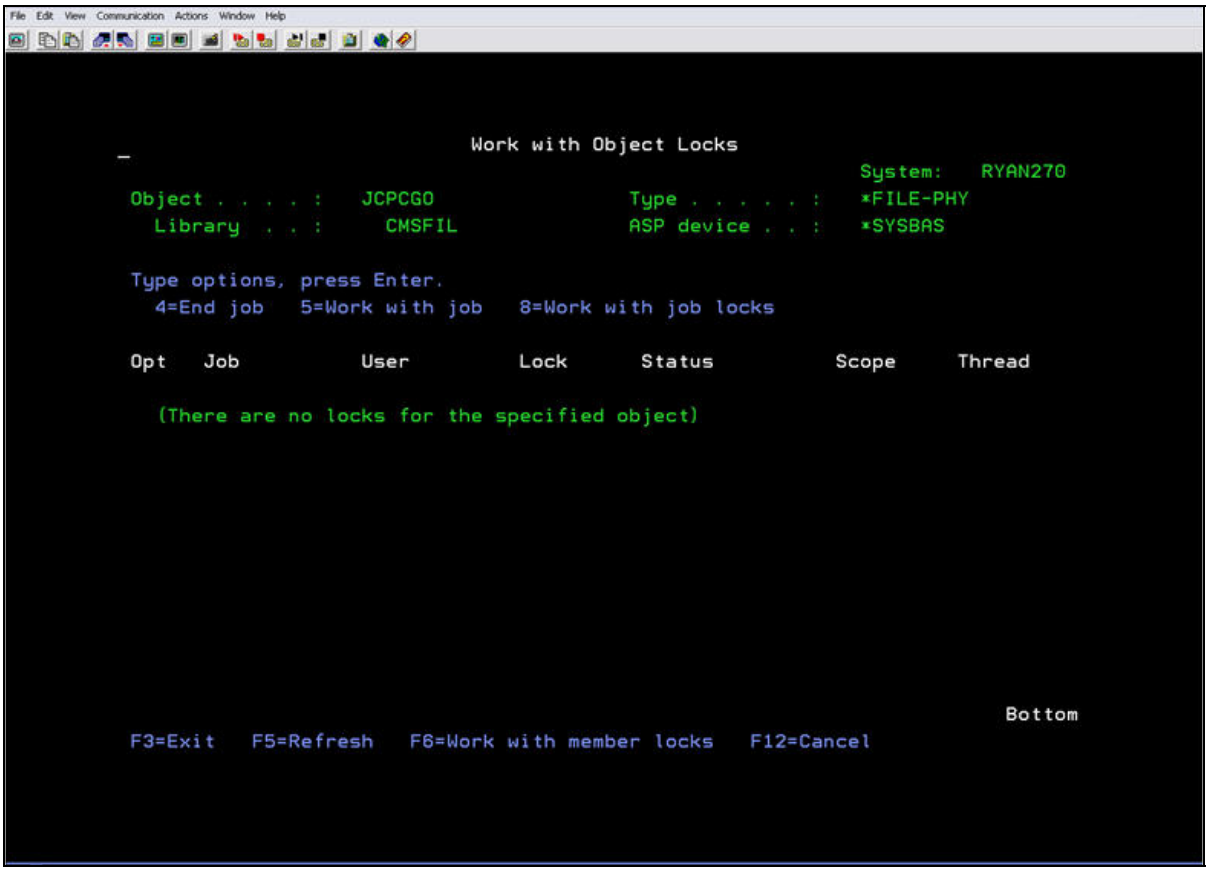
APPCNS – Subcontract Status

APPCTD – Subcontract Text Detail

After the install process has completed,

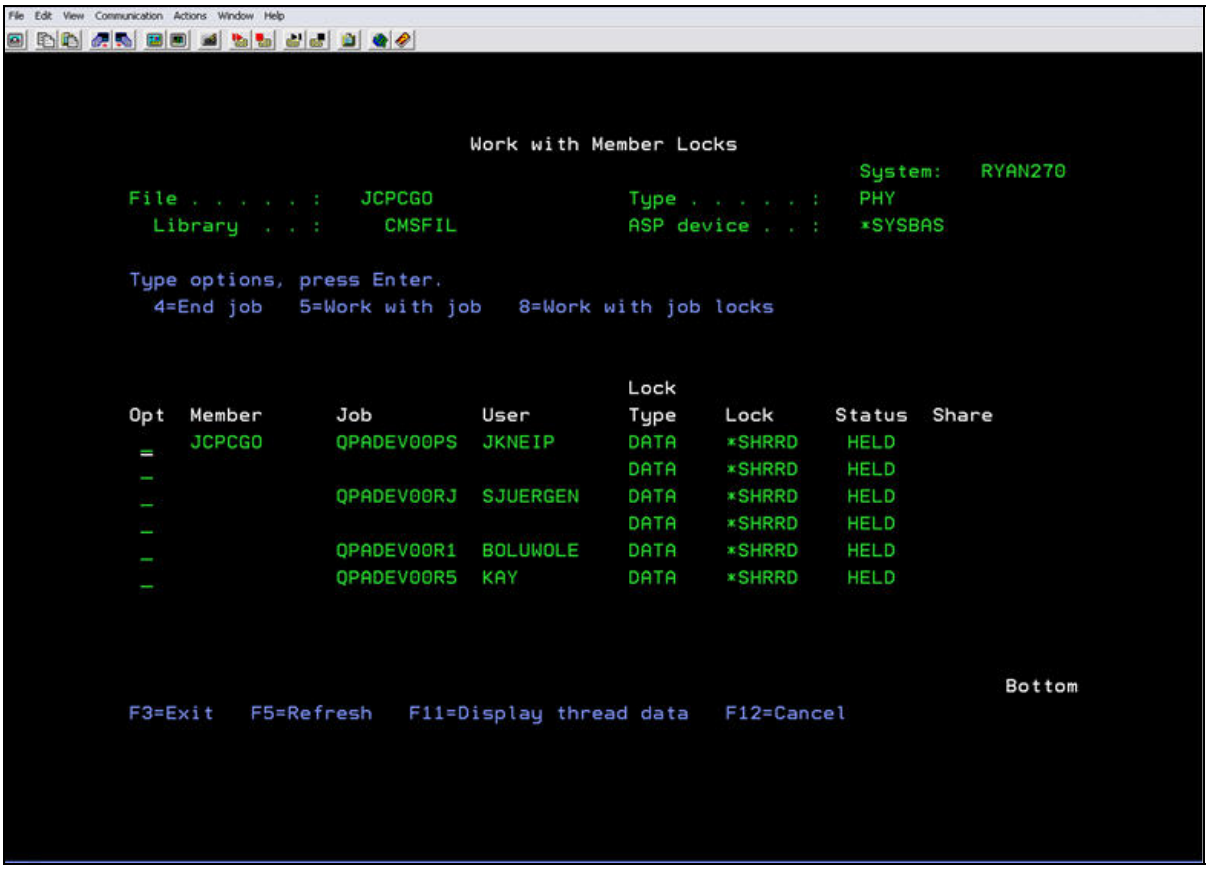
1. Type **WRKOBJLCK CMSFIL/JCPCGO *FILE** and press **Enter**.

   The system displays the Work with Object Locks screen.



2. Press **F6** to check for member locks.

   The system will display the Work with Member Locks screen.



Note: Do not attempt to attach the trigger programs until all three files show there are no locks.

E. Attaching the Trigger Programs

Once you have identified that the three files are not being used,

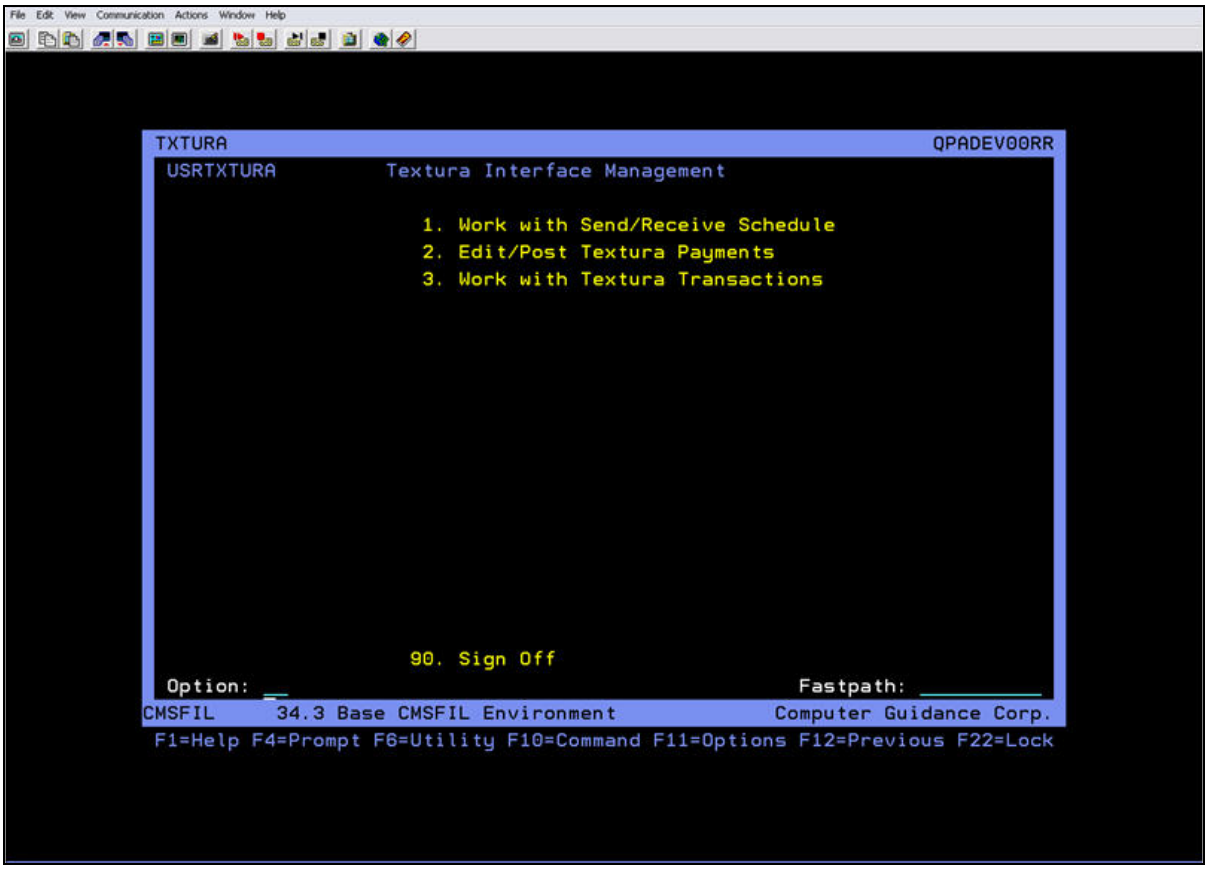
1. Type the following command to attach the trigger programs:

   CALL PGM({In House Library}/TXTTRIG) PARM('{CMS File library}' '{In House Library}')

2. After the triggers have been attached, enter **CMS** and go to the **TXTURA** menu.

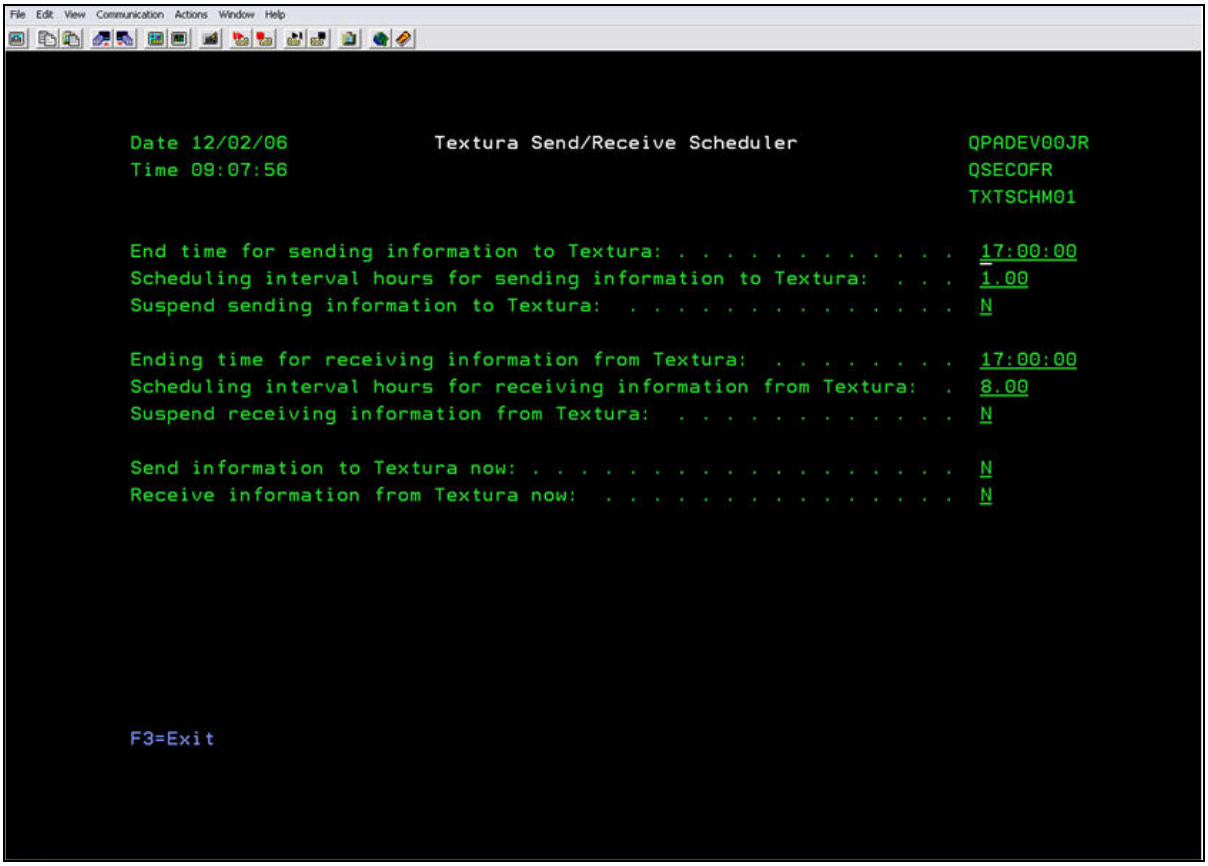
3. Type **TXTURA** in the Fastpath.

   The system displays the Textura Interfaces menu.



4. Select option 1, **Work with Send/Receive Schedule**.

The system displays the Textura Send/Receive Scheduler screen. This screen enables you to manage how often the system will send and receive data to/from Textura.



F. Setting up Java Program Variable Values

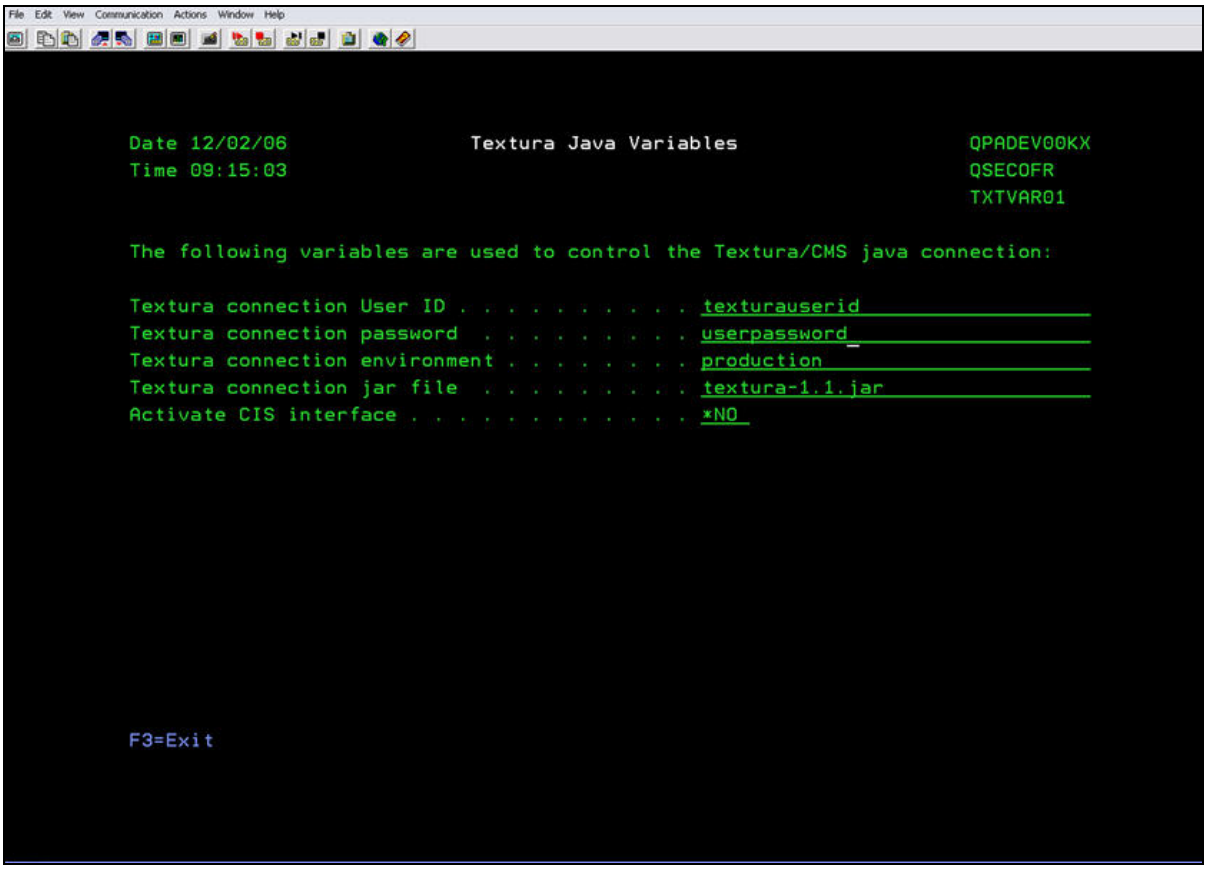
You now need to set up the variable values used by the Java program to send and receive data. In order to run this command, you must be signed on with a user ID that has a user class of *SECADM or *SECOFR.

1. From a command line enter the following command:

   CHGJAVVAR

2. Press **Enter**.

   The system displays the Textura Java Variables screen.

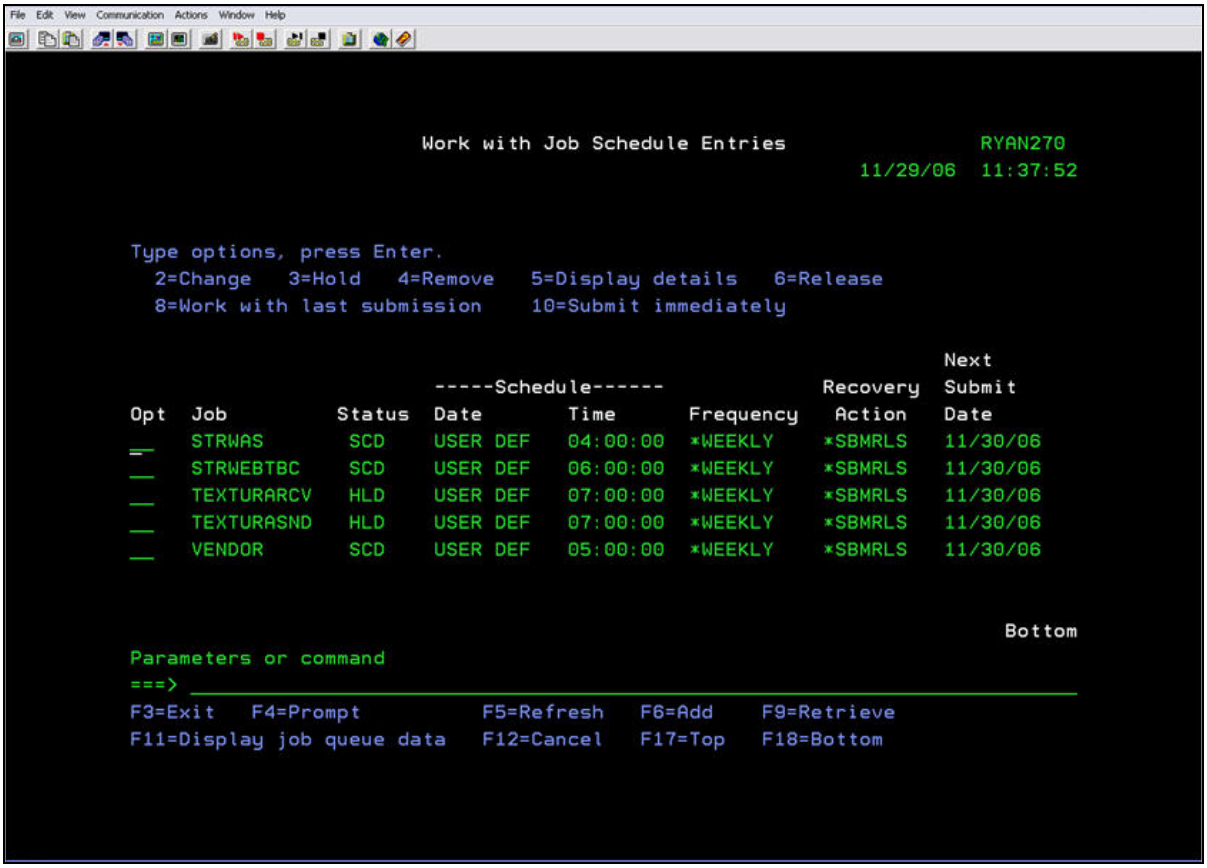


G. Releasing Auto Schedule Job Entries

During the installation process, two Auto Schedule Job Entries were placed on the system, but are being held until testing and user training have been completed. When production implementation is ready, these two schedule entries will need to be released.

1. At that time, enter the command **WRKJOBSCDE** to work with the entries.
2. Press **Enter**.

   The system displays the Work with Job Schedule Entries screen.



3. Page down until the two Textura jobs are found, **TEXTURARCV** and **TEXTURASND**.
4. Select option **6 = Release**, for both of these jobs.
5. Press **Enter**.

   The status of both of the jobs will change to SCD, meaning scheduled.

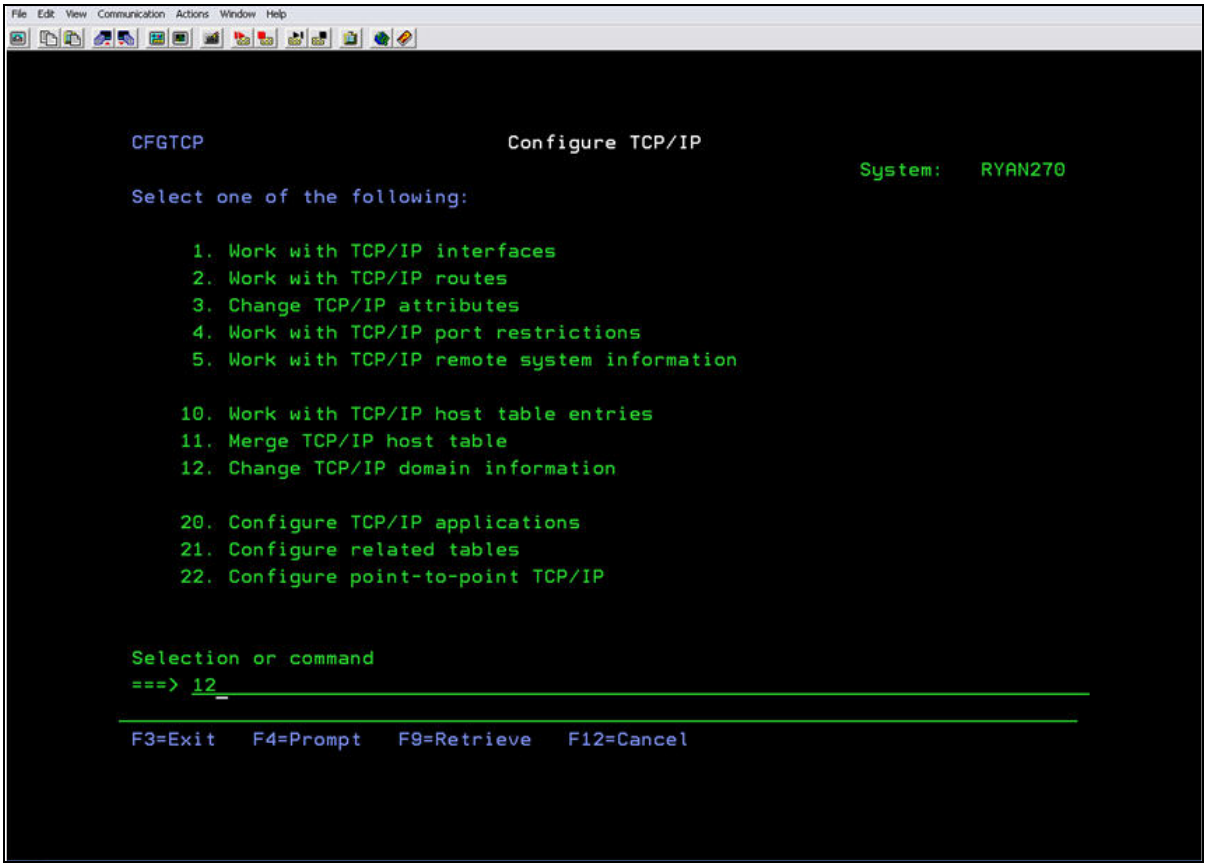
2 iSeries Internet Access

A. Configuring iSeries for a Domain Name Server

Check to see if the iSeries has been configured for a domain name server.

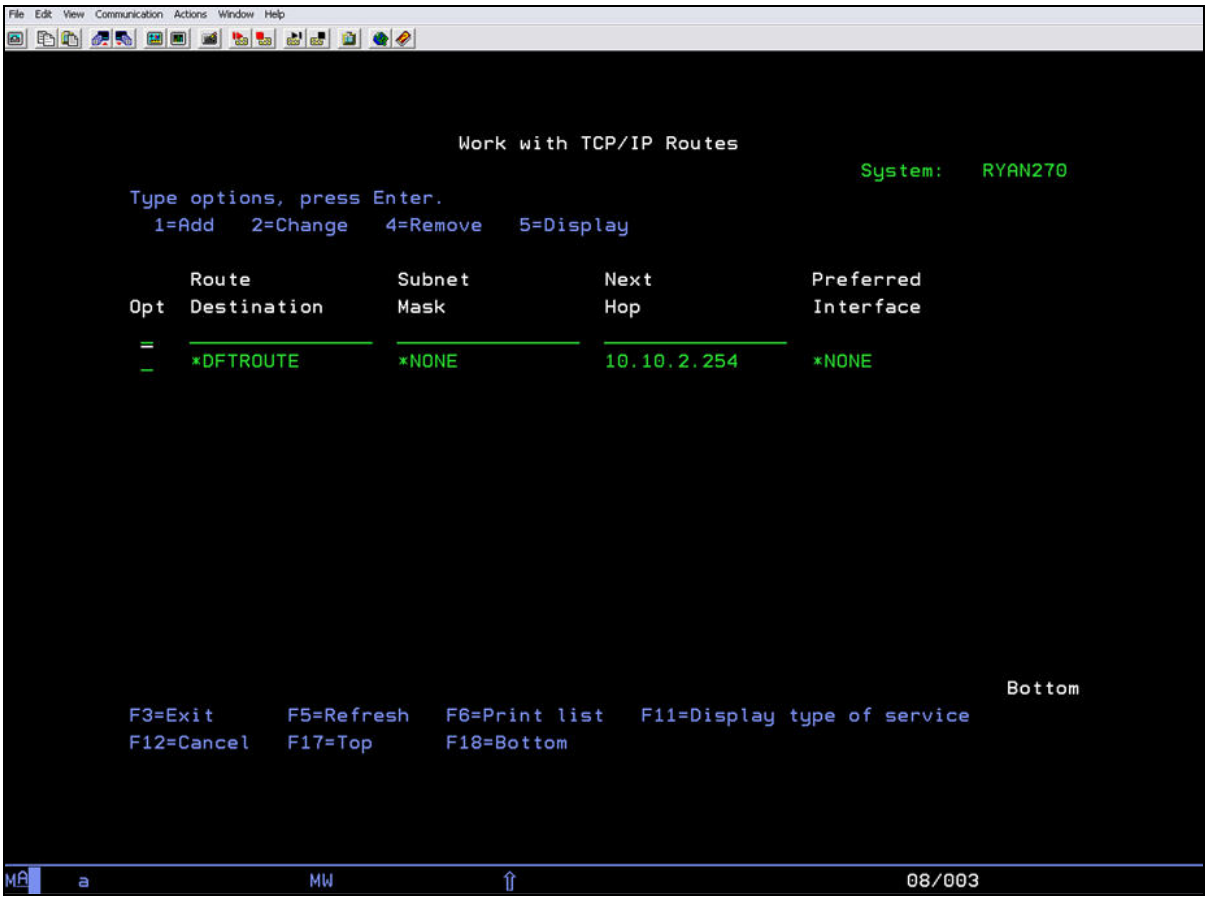
1. Type the command **CFGTCP**.
2. Press **Enter**.

   The system displays the Configure TCP/IP screen.



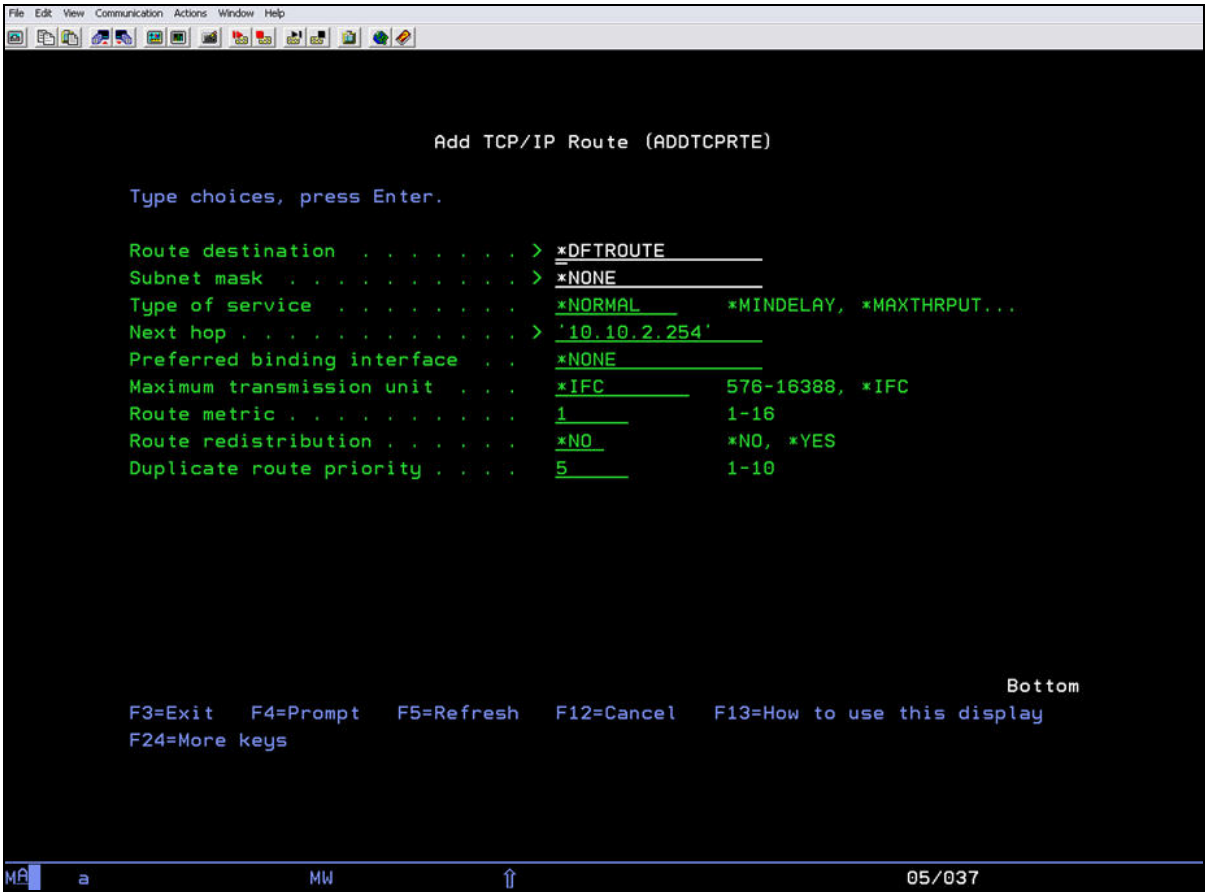
3. To verify that a gateway address has been configured, select option **2 = Work with TCP/IP routes**.

   The system displays the Work with TCP/IP Routes screen.



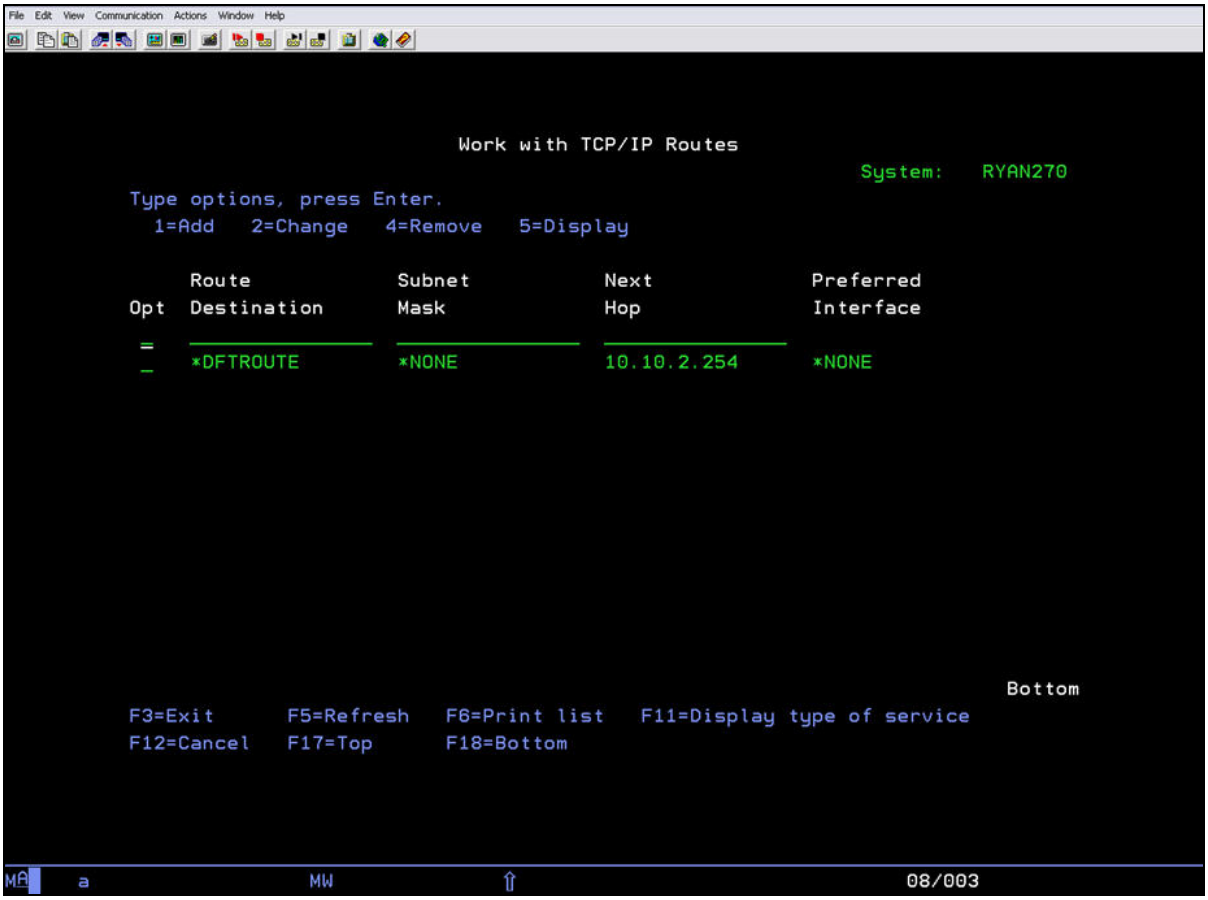
4. If the gateway has already been defined, press **F3** to exit and go to step 9 below to change the TCP/IP domain information.
5. If this screen does not display entries, add a default route to the IP address of the internet gateway. Select option **1 = Add**.
   - Route Destination of ***DFTROUTE**
   - Subnet Mask of ***NONE**
   - Next Hop of **<desired gateway IP address>**
6. Press **Enter**.

The system displays the Add TCP/IP Route (ADDTCPRTE) screen.

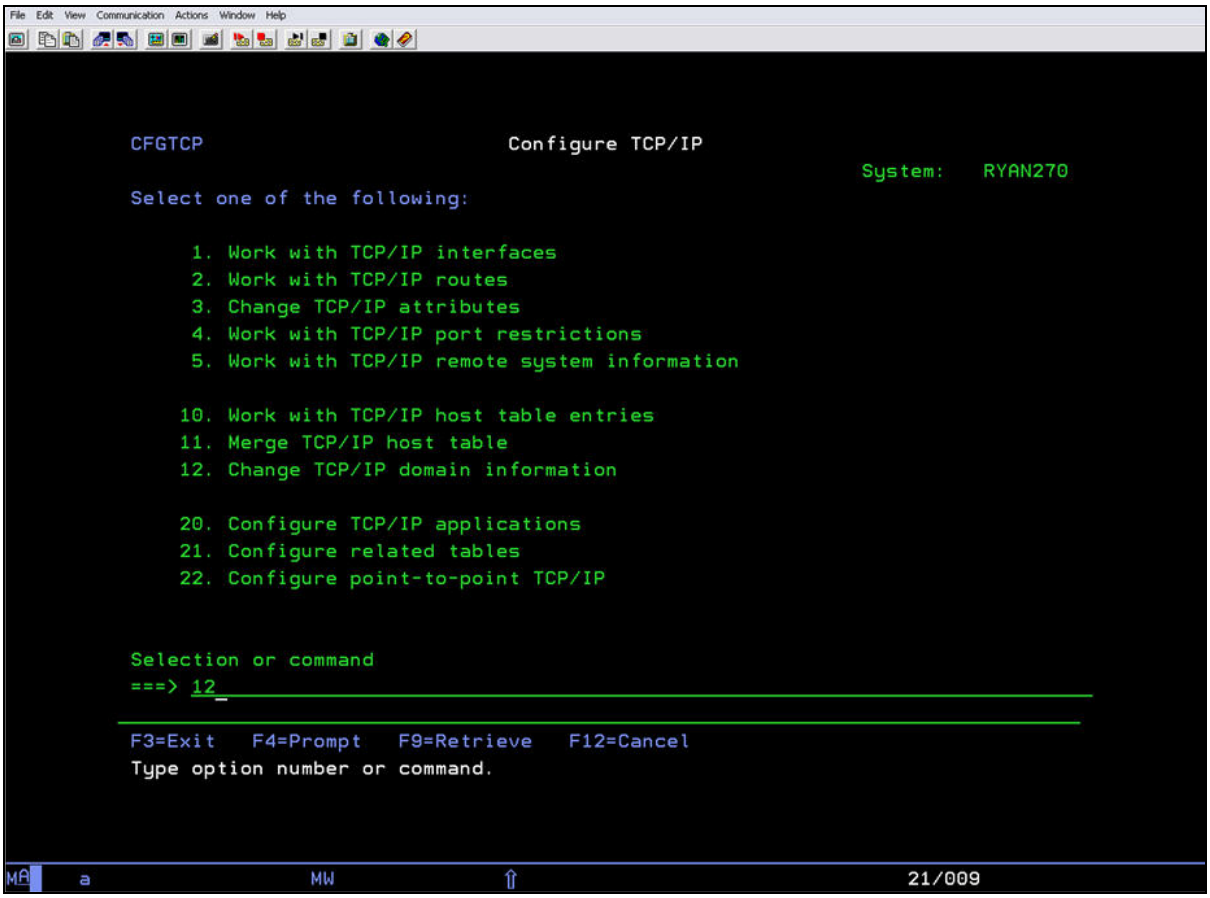


7. Leave all of the default values on this screen as is and press **Enter** to add the route entry.

After the Route entry has been added, the system displays the Work with TCP/IP Routes screen, which now includes the entry you have just added.

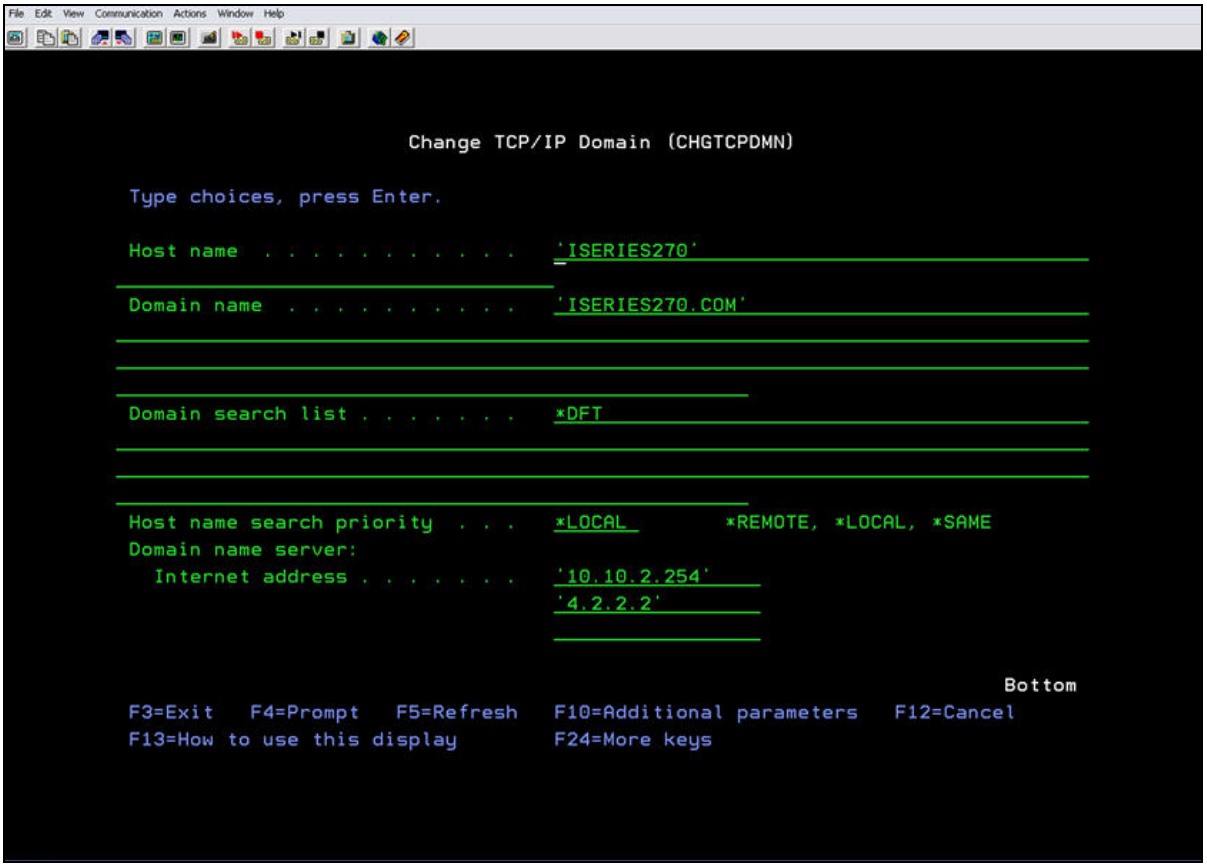


8. Press **F3** to display to the Configure TCP/IP menu.



9. Select option **12 = Change the TCP/IP domain information**.
10. Press **Enter**.

The system displays the Change TCP/IP Domain (CHGTCPDMN) screen.



11. If no DNS internet addresses are displayed on this screen, type the addresses to be used.

Note: Do not change any other values on this screen!

12. Press **Enter**.

3 Digital Certificate Manager

A. Accessing the Digital Certificate Manager

To access the Digital Certificate Manager

1. Start the HTTP Admin server on the iSeries by typing the command:

   STRTCPSVR SERVER(*HTTP) HTTPSVR(*ADMIN)

2. Press **Enter**.

It may take several minutes for the server to start.

3. While waiting for the server to start, open a browser session and prepare to enter the following url:

   http://{the address of the iSeries}:2001

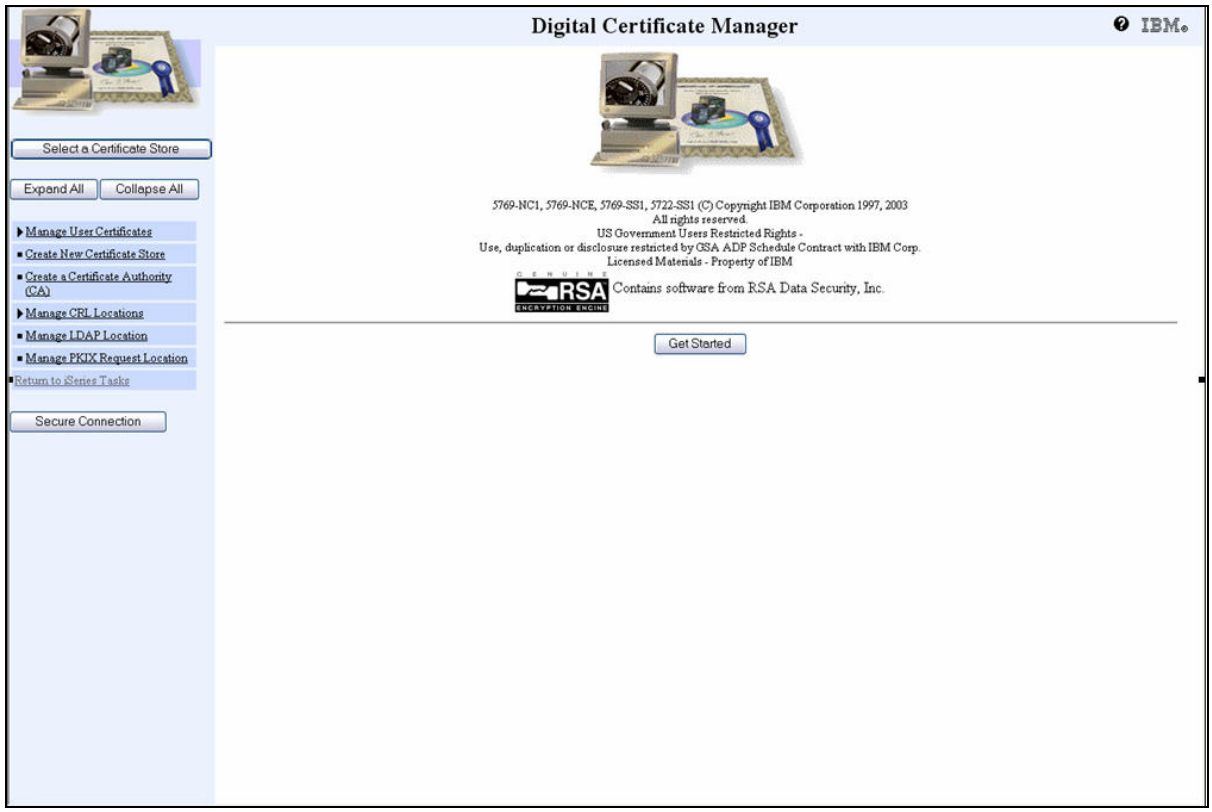
The system will prompt you to type a **User ID** and **Password**.

4. Type the **iSeries Security Officer ID** and **Password**.

   The system displays the iSeries Tasks page.

5. Click the **Digital Certificate Manager**.

   The system displays the Digital Certificate Manager page.



6. Click **Get Started**.
7. After the CA certificate has been added, close the browser session.
8. Type the command **ENDTCPSVR SERVER(*HTTP) HTTPSVR(*ADMIN)** to end the HTTP Administrative server.
9. Press **Enter**.

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