# DynaComm Connectivity Series Windows Based Terminal (DCS/WBT)

# Lab Exercises

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3/17/2000

# IBM NETWORK STATION DCS/WBT

Lab Exercises

Table of Contents

## A. CREATE NEW DCS/WBT CONNECTION NAMED "BBS LAB".

1. Bring up the IBM NETWORK STATION Connection manager.
2. Click on the **Configure** Tab
3. Click on the **Add button**
4. From the "Create New Connection" dialog box, choose **FUTURESOFT TERMINAL EMULATION CLIENT**
5. Click on the **OK button**
6. Type in the connection description as "BBS Lab" in the "Create New Connection" dialog box
7. Click on **OK button** or **Enter**

## B. SET TELNET PROPERTY IP ADDRESS TO: 199.165.143.17

1. **Select Telnet** connector type (already highlighted default)
2. **Click Properties** button or **double click** the highlighted telnet connector type
3. Type in Host Address **199.165.143.17**
4. **Click OK** or **Enter**

## C. SET EMULATION TO ANSI-BBS (SCO-ANSI)

1. Click on the **Emulations** tab in the Session Properties dialog box
2. Select **ANSI-BBS** as the emulation type
3. Click on the **Properties** button
4. Select **SCO-ANSI** as the emulation mode
5. **Click OK** on the Ansi Properties dialog
6. **Click OK** on the Session Properties dialog

## D. BEGIN THE CONNECTION

1. Click on the **Connections Tab** in the IBM NETWORK STATION Connection Manager window
2. **Double Click** on the **BBS Lab** connection name
3. Verify that you have successfully connected to the FutureSoft Bulletin Board (Don't log in)

## E. EXIT THE CONNECTION

1. Click on **Connect** from the connection window drop down menu then **click Close**
2. Verify that you are back to the Connection Manager window

## A. CREATE NEW DCS/WBT CONNECTION NAMED "VT220 LAB".

1. Bring up the IBM NETWORK STATION Connection manager.
2. Click on the **Configure** Tab
3. Click on the **Add button**
4. From the "Create New Connection" dialog box, choose **FUTURESOFT TERMINAL EMULATION CLIENT**
5. Click on the **OK button**
6. Type in the connection description as "**VT220 Lab**" in the "Create New Connection" dialog box
7. Click on **OK button** or **Enter**

## B. SET TELNET PROPERTY IP ADDRESS TO: XXX.XXX.XXX.XXX

1. **Select Telnet** connector type (already highlighted default)
2. **Click Properties** button or **double click** the highlighted telnet connector type
3. Type in Host Address **xxx.xxx.xxx.xxx (Unix host)**
4. **Click OK** or **Enter**

## C. SET EMULATION TO VT SERIES (VT 220)

1. Click on the **Emulations** tab in the Session Properties dialog box
2. Select **VT Series** as the emulation type (you may need to scroll down to select it)
3. Click on the **Properties** button
4. Select **VT220** as the terminal model
5. **Click OK** on the VT420 Properties dialog
6. **Click OK** on the Session Properties dialog

## D. BEGIN THE CONNECTION

1. Click on the **Connections Tab** in the IBM NETWORK STATION Connection Manager window
2. **Double Click** on the **VT220 Lab** connection name
3. Verify that you have successfully connected to the Unix host and have a login prompt (Don't log in)

## E. EXIT THE CONNECTION

1. Click on **Connect** from the connection window drop down menu then **click Close**
2. Verify that you are back to the Connection Manager window

# CREATE WYSE60 CONNECTION

## A. CREATE NEW DCS/WBT CONNECTION NAMED "WYSE60 LAB".

1. Bring up the IBM NETWORK STATION Connection manager.
2. Click on the **Configure** Tab
3. Click on the **Add button**
4. From the "Create New Connection" dialog box, choose **FUTURESOFT TERMINAL EMULATION CLIENT**
5. Click on the **OK button**
6. Type in the connection description as "**WYSE60 Lab**" in the "Create New Connection" dialog box
7. Click on **OK button** or **Enter**

## B. SET TELNET PROPERTY IP ADDRESS TO: XXX.XXX.XXX.XXX

1. **Select Telnet** connector type (already highlighted default)
2. **Click Properties** button or **double click** the highlighted telnet connector type
3. Type in Host Address **xxx.xxx.xxx.xxx (Unix host)**
4. **Click OK** or **Enter**

## C. SET EMULATION TO VT SERIES (WYSE60)

1. Click on the **Emulations** tab in the Session Properties dialog box
2. Select **WYSE** as the emulation type (you may need to scroll down to select it)
3. Click on the **Properties** button
4. Select **WY-60** as the emulation mode
5. **Click OK** on the Wyse Properties dialog
6. **Click OK** on the Session Properties dialog

## D. BEGIN THE CONNECTION

1. Click on the **Connections Tab** in the IBM NETWORK STATION Connection Manager window
2. **Double Click** on the **WYSE60 Lab** connection name
3. Verify that you have successfully connected to the Unix host and have a login prompt

## E. EXIT THE CONNECTION

1. Click on **Connect** from the connection window drop down menu then **click Close**
2. Verify that you are back to the Connection Manager window

A. CREATE NEW DCS/WBT CONNECTION NAMED "**IBM3270 LAB**".

1. Bring up the IBM NETWORK STATION Connection manager.
2. Click on the **Configure** Tab
3. Click on the **Add button**

B. FROM THE "CREATE NEW CONNECTION" DIALOG BOX, CHOOSE **FUTURESOFT TERMINAL EMULATION CLIENT**

1. Click on the **OK button**
2. Type in the connection description as "**IBM3270 Lab**" in the "Create New Connection" dialog box
3. Click on **OK button** or **Enter**

C. SET TELNET PROPERTY IP ADDRESS TO: 140.147.254.3

1. **Select Telnet** connector type (already highlighted default)
2. **Click Properties** button or **double click** the highlighted telnet connector type
3. Type in Host Address **140.147.254.3**
4. **Click OK** or **Enter**

D. SET EMULATION TO IBM 3270

1. Click on the **Emulations** tab in the Session Properties dialog box
2. Select **IBM 3270** as the emulation type
3. **Click OK** on the Session Properties dialog

E. BEGIN THE CONNECTION

1. Click on the **Connections Tab** in the IBM NETWORK STATION Connection Manager window
2. **Double Click** on the **IBM3270 Lab** connection name
3. Verify that you have successfully connected to the Library of Congress Host (Don't log in)

F. EXIT THE CONNECTION

1. Click on **Connect** from the connection window drop down menu then **click Close**
2. Verify that you are back to the Connection Manager window

A. CREATE NEW DCS/WBT CONNECTION NAMED "IBM5250 LAB".

1. Bring up the IBM NETWORK STATION Connection manager.
2. Click on the **Configure** Tab
3. Click on the **Add button**
4. From the "Create New Connection" dialog box, choose **FUTURESOFT TERMINAL EMULATION CLIENT**
5. Click on the **OK button**
6. Type in the connection description as "**IBM5250 Lab**" in the "Create New Connection" dialog box
7. Click on **OK button** or **Enter**

B. SET TELNET PROPERTY IP ADDRESS TO: XXX.XXX.XXX.XXX

1. **Select Telnet** connector type (already highlighted default)
2. **Click Properties** button or **double click** the highlighted telnet connector type
3. Type in Host Address **xxx.xxx.xxx.xxx (AS/400 host)**
4. **Click OK** or **Enter**

C. SET EMULATION TO IBM 5250

1. Click on the **Emulations** tab in the Session Properties dialog box
2. Select **IBM 5250** as the emulation type
3. **Click OK** on the Session Properties dialog

D. BEGIN THE CONNECTION

1. Click on the **Connections Tab** in the IBM NETWORK STATION Connection Manager window
2. **Double Click** on the **IBM5250 Lab** connection name
3. Verify that you have successfully connected to the AS/400 host and have a Sign On screen (Don't log in)

E. EXIT THE CONNECTION

1. Click on **Connect** from the connection window drop down menu then **click Close**
2. Verify that you are back to the Connection Manager window

A. ACTIVATE THE BBS LAB CONNECTION (CREATED IN PREVIOUS LAB EXERCISE)
   1. Bring up the IBM NETWORK STATION Connection manager
   2. **Double Click** on the **BBS Lab** connection name
   3. Verify that you have an active connection to the FutureSoft BBS

B. OPEN UP THE SESSION PROPERTIES DIALOG
   1. Click on the **Session** drop-down menu then click **Properties** OR
   2. **Click Properties** icon on the toolbar

C. OPEN UP THE TRANSLATION PROPERTIES DIALOG
   1. From the properties dialog click on the **Emulations** tab then click the **Properties** button
   2. From the Ansi Properties dialog click on the **Translation** tab
   3. Click on the **Edit** button

D. TRANSLATE 0X20 TO 0X1F
   1. Scroll down in the Host column to the value **0x20** then select it by clicking on it
   2. Scroll in the Display column to the value **0x1F** and select it by clicking on it
   3. Click on the **OK** in the Character Map Editor dialog

E. SAVE THE CHARACTER MAP AS BBS
   1. Type **BBS** in the Map name text box
   2. Click on the **Save**
   3. Click **OK** on the Ansi Properties dialog. (Notice the "bbs.trf" name is now the Character translation map)
   4. Click **OK** on the Session Properties dialog
   5. From the drop-down menu, click **Session**, then click **Disconnect**

F. ACTIVATE THE CONNECTION (VERIFY THAT SPACES ARE REPLACED BY A SYMBOL )
   1. From the drop-down menu, click on **Session**, then click on **Connect**
   2. Verify that the spaces are now replaced with a

G. CLOSE THE BBS LAB CONNECTION (DON'T SAVE THE CONNECTION CHANGES)
   1. Click on **Connect** on the menu bar, then click **Close**
   2. Click on **No** to use the default translation map instead of the newly created map

# CREATE AUTO LOGON MACRO

## A. ACTIVATE THE BBS LAB CONNECTION (CREATED IN PREVIOUS LAB EXERCISE)

1. Bring up the IBM NETWORK STATION Connection manager.
2. **Double Click** on the **BBS Lab** connection name
3. Verify that you have an active connection to the FutureSoft BBS

## B. OPEN UP THE SESSION PROPERTIES DIALOG

1. Click on the **Session** drop-down menu then click **Properties** OR
2. **Click Properties** icon on the toolbar

## C. CREATE A NEW MACRO

1. From the properties dialog click on the **General** tab
2. Click on the **New** button

## D. CREATE LOGON MACRO

1. Double click on **Wait String** in the Commands box
2. Type “new” (without the quotes) in the Enter host wait string box
3. Clikc **OK** in the Configure Wait String Command: dialog
4. Double click on **Delay** in the Commands box
5. Enter 5000 in the Configure Delay command dialog (5 second delay) then click **OK**
6. Double click on **Send String** in the Commands box
7. Type “student 1” (without the quotes) in the Enter string to send to host box then Click **OK**
8. Double click on **Delay** in the Commands box
9. Enter 2000 in the Configure Delay command dialog (2 second delay) then click **OK**
10. Double click on **Send String** in the Commands box
11. Type “ibm” (without the quotes) in the Enter string to send to host box then click **OK**
12. Click **OK** in the Macro Editor dialog

## E. SAVE THE MACRO AS BBS

1. Type **BBS** in the Macro name text box
2. Click on the **Save** button
3. Check the **Start macro on connect** option box
4. Click **OK** on the Session Properties dialog (Note the macro name bbs.mcr)
5. From the drop-down menu, click **Session**, then click **Disconnect**

## F. ACTIVATE THE CONNECTION

1. From the drop-down menu, click on **Session**, then click on **Connect**
2. Verify that you are automatically logged into the FutureSoft BBS

## G. CLOSE THE BBS LAB CONNECTION (DON’T SAVE THE CONNECTION CHANGES)

1. Click on **Connect** on the menu bar, then click **Close**
2. Click on **Yes** so the connection will use the newly created macro

# Lab Exercise #8 SIMULATE A FULL SCREEN (DUMB TERMINAL)

A. CONFIGURE THE BBS LAB CONNECTION (CREATED IN A PREVIOUS LAB EXERCISE)

1. Bring up the IBM NETWORK STATION Connection manager.
2. Click on the **Configure Tab** in the Connection Manager
3. **Double Click** on the **BBS Lab** connection name
4. Click on the **Properties** button in the Dialog dialog

B. CONFIGURE FULL SCREEN MODE

1. From the session properties dialog click on the **General** tab
2. **Check** the **Full screen terminal mode** option
3. **Uncheck** the **Enable menu and toolbar** option
4. **Check** the **Hide mouse cursor** option

C. CONFIGURE DISPLAY PROPERTIES TO ELIMINATE BORDERS AND SCROLL BARS

1. Click on the **Display Tab** in the Session Properties dialog
2. Click on the **Properties Button**
3. **Uncheck** the **Terminal border** option in the Other options area of the dialog
4. Select **OFF** for both **Horizontal** and **Vertical** scroll bars
5. Click on the **OK** in the Text Display Properties dialog

D. SAVE THE NEW CONNECTION PROPERTIES

1. Click on the **OK** in the Session Properties dialog
2. Click **OK** on the Dialog dialog

E. ACTIVATE THE CONNECTION

1. Click on the **Connections tab** in the connection manager
2. **Double Click** on the **BBS Lab** connection name
3. Verify that you are automatically logged into the FutureSoft BBS, full screen and no mouse.

F. CLOSE THE BBS LAB CONNECTION

1. Use the key combination **Ctrl-Alt-End** to return to the Connection Manager
2. Click on **End** to close the active BBS Lab connection (Note the change in status from Active to blank)

A. ACTIVATE THE VT220 LAB CONNECTION (CREATED IN A PREVIOUS LAB EXERCISE)

1. Bring up the IBM NETWORK STATION Connection manager.
2. **Double Click** on the **VT220 Lab** connection name
3. Verify that you have an active connection to Apollo

B. OPEN UP THE SESSION PROPERTIES DIALOG

1. Click on the **Session** drop-down menu then click **Properties** OR
2. **Click Properties** icon on the toolbar

C. OPEN UP THE ATTRIBUTES PROPERTIES DIALOG

1. From the properties dialog click on the **Emulations** tab then click the **Properties** button
2. **Uncheck** the **Allow ANSI colors** option
3. From the VT420 Properties dialog click on the **Attributes tab**

D. CHANGE NORMAL ATTRIBUTE TO WHITE FOREGROUND WITH BLUE BACKGROUND

1. Select the **Normal** attribute from the list in the Host list
2. Select **White** in the Forground list (scroll to find the color)
3. Select **Blue** in the Background list (scroll to find the color)

E. SAVE THE ATTRIBUTE MAP AS VT220

1. Click on the **Save As…** button
2. Type **"VT220"** (without the quotes) in the Map name box then **Click Save Button**
3. Click on the **OK** in the VT420 Properties dialog
4. Click on the **OK** in the Session Properties Dialog
5. From the drop-down menu, click **Session**, then click **Disconnect**

F. ACTIVATE THE CONNECTION (VERIFY THAT YOU HAVE WHITE CHARACTERS ON A BLUE BACKGROUND)

1. From the drop-down menu, click on **Session**, then click on **Connect**
2. Verify that the text characters are White and the background is Blue

G. CLOSE THE VT220 LAB CONNECTION (SAVE THE CHANGES)

1. Click on **Connect** on the menu bar, then click **Close**
2. Click on **Yes** to save the changes to the connection (use the new attribute map)

A. ACTIVATE THE VT220 LAB CONNECTION (CREATED IN A PREVIOUS LAB EXERCISE)
   1. Bring up the IBM NETWORK STATION Connection manager
   2. **Double Click** on the **VT220 Lab** connection name
   3. Verify that you have an active connection to the Unix host

B. OPEN UP THE SESSION PROPERTIES DIALOG
   1. Click on the **Session** drop-down menu then click **Properties** OR
   2. **Click Properties** icon on the toolbar

C. OPEN UP THE KEYBOARD PROPERTIES DIALOG
   1. From the properties dialog click on the **Emulations** tab then click the **Properties** button
   2. From the VT420 Properties dialog click on the **Keyboard tab**
   3. Click **Edit Button**

D. MAP F1 KEY TO LOGON NAME (DEMO1)
   1. **Select** the **F1 Key** from the list (Scroll through the list until you see the F1(112))
   2. In Mapping Options section, select the **String Option**
   3. Type "**demo1^m**" (without quotes) in the string text box Note: demo1 = User name
   4. Click the **Map Key** button

E. SAVE THE KEY MAP AS VT220
   1. Click on the **Save As…** button
   2. Type **"VT220"** (without the quotes) in the Map File name box then **Click Save Button**
   3. Click on the **OK** in the Keyboard Map Properties dialog
   4. Click **OK** on the VT420 Properties dialog
   5. Click **OK** on the Session Properties dialog
   6. From the drop-down menu, click **Session**, then click **Disconnect**

F. ACTIVATE THE CONNECTION (VERIFY THAT YOU CAN LOGIN USING THE F1 KEY)
   1. From the drop-down menu, click on **Session**, then click on **Connect**
   2. When you see the Login prompt, press the **F1** key to send the login name
   3. When you see the password prompt press the **F1** key to send the password (same as logon ID) or use the instructions under D. to map the **F2** key to the password

G. CLOSE THE VT220 LAB CONNECTION (SAVE THE CHANGES)
   1. Click on **Connect** on the menu bar, then click **Close**
   2. Click on **Yes** to save the changes to the connection (use the new Keyboard map)

# ENABLING HOTSPOTS

## A. ACTIVATE THE IBM5250 LAB CONNECTION (CREATED IN A PREVIOUS LAB EXERCISE)

1. Bring up the IBM NETWORK STATION Connection manager.
2. **Double Click** on the **IBM5250 Lab** connection name
3. Verify that you have an active connection to the AS/400 host

## B. OPEN UP THE SESSION PROPERTIES DIALOG

1. Click on the **Session** drop-down menu then click **Properties** OR
2. **Click Properties** icon on the toolbar

## C. OPEN UP THE DISPLAY PROPERTIES DIALOG

1. From the properties dialog click on the **Display** tab then click the **Properties** button
2. From the Text Display Properties dialog click on the **General tab** (Default)

## D. ENABLE HOTSPOTS

1. Click the **Enable Hotspots** button

## E. OK THE CHANGE & DISCONNECT THE SESSION

1. Click on the **OK** in the Text Display Properties dialog
2. Click **OK** on the Session Properties dialog
3. From the drop-down menu, click **Session**, then click **Disconnect**

## F. ACTIVATE THE CONNECTION AND LOGON ON

1. From the drop-down menu, click on **Session**, then click on **Connect**
2. Type in a User name of "**Demo1**" (without quotes) where Demo1 = user name
3. Press the **Tab Key** to position the cursor to the password field
4. Type in a Password of "**Demo2**" where Demo2 = password
5. Press the **Enter Key** to logon
6. Verify that the function keys at the bottom of the screen are displayed as clickable buttons

## G. CLOSE THE IBM5250 LAB CONNECTION (SAVE THE CHANGES)

1. Click on **Connect** on the menu bar, then click **Close**
2. Click on **Yes** to save the changes to the connection (enabled hotspots)

# CREATING CUSTOM HOTSPOTS

## A. ACTIVATE THE IBM5250 LAB CONNECTION (CREATED IN A PREVIOUS LAB EXERCISE)

1. Bring up the IBM NETWORK STATION Connection manager.
2. **Double Click** on the **IBM5250 Lab** connection name
3. Verify that you have an active connection to the AS/400 host

## B. OPEN UP THE SESSION PROPERTIES DIALOG

1. Click on the **Session** drop-down menu then click **Properties** OR
2. **Click Properties** icon on the toolbar

## C. NAVIGATE TO THE HOTSPOTS EDITOR DIALOG

1. From the Session Properties dialog click on the **Emulations tab**
2. Click the **Properties** button
3. Click the **Hotspots tab** in the IBM 5250 Properties dialog
4. Click the Edit… button in the IBM 5250 Properties dialog (Hotspots map area)

## D. CREATE A CUSTOM HOTSPOT

1. **Type** "**90.**" In the text box in the Hotspots area of the Hotspots Setup dialog (be sure to include the period after the 90)
2. In the Mapping Options area, select the **String radio button**
3. In the Type area change the Normal option to **Include Meta Key** using the drop down list
4. In the String area, type "90{return}" (without quotes, include curly braces)
5. Click the Define button

## E. SAVE THE CUSTOM HOTSPOT DEFINITION

1. Click the **Save As… button** in the Hotspots Setup dialog
2. Type **IBM5250** in the Map name text box
3. Click the **Save** button
4. Click the **OK** in the Hotspots Setup (IBM5250) dialog
5. Click on the **OK** in the IBM 5250 Properties dialog
6. Click **OK** on the Session Properties dialog
7. From the drop-down menu, click **Session**, then click **Disconnect**

## F. ACTIVATE THE CONNECTION AND LOGON ON

1. If the session terminated, from the drop-down menu, click on **Session**, then click on **Connect**
2. Type in a User name of "**Demo1**" (without quotes) where Demo1 = user name
3. Press the **Tab Key** to position the cursor to the password field
4. Type in a Password of "**Demo2**" (without quotes) where Demo2 = password
5. Press the **Enter Key** to logon
6. Verify that the Sign off function 90 has become a clickable hot key option
7. Click on the 90. Button to verify that the function will log you off

## G. CLOSE THE IBM5250 LAB CONNECTION (SAVE THE CHANGES)

1. Click on **Connect** on the menu bar, then click **Close**
2. Click on **Yes** to save the changes to the connection (enabled hotspots)

# LU (LOGICAL UNIT) NAMING

## A. ACTIVATE THE IBM3270 LAB CONNECTION (CREATED IN A PREVIOUS LAB EXERCISE)

1. Bring up the IBM NETWORK STATION Connection manager.
2. **Double Click** on the **IBM3270 Lab** connection name
3. Verify that you have an active connection to the Library of Congress

## B. OPEN UP THE SESSION PROPERTIES DIALOG

1. Click on the **Session** drop-down menu then click **Properties** OR
2. **Click Properties** icon on the toolbar

## C. CHANGE THE HOST IP ADDRESS TO XXX.XXX.XXX.XXX

1. In the Session Properties dialog, Click on the **Properties button**
2. Change the Host Address to **XXX.XXX.XXX.XXX (or host name)**
3. Click on the **OK** in the Telnet Properties dialog

## D. ENTER AN LU NAME (PROVIDED BY INSTRUCTOR)

1. Click on the **Emulations tab** in the Session Properties dialog
2. Click on the **Properties… button**
3. Click on the **Session tab** in the IBM 3270 Properties dialog
4. Type in an **LU Name** provided by the lab instructor or any valid LU name
5. Click **OK** in the IBM 3270 Properties dialog
6. Click **OK** in the Session Properties dialog
7. From the drop-down menu, click **Session**, then click **Disconnect**

## E. ACTIVATE THE CONNECTION AND LOGON ON

1. Click on **Session**, then click on **Connect**
2. Verify that the LU name located in the OIA (Operator Information Area) matches the one entered in the emulation properties

## F. CLOSE THE IBM3270 LAB CONNECTION (SAVE THE CHANGES)

1. Click on **Connect** on the menu bar, then click **Close**
2. Click on **Yes** to save the changes to the connection

## Lab Exercise #14 CUSTOM TOOLBAR BUTTONS

A. ACTIVATE THE IBM3270 LAB CONNECTION (CREATED IN A PREVIOUS LAB EXERCISE)
   1. Bring up the IBM NETWORK STATION Connection manager.
   2. **Double Click** on the **IBM3270 Lab** connection name
   3. Verify that you have an active connection

B. OPEN UP THE SESSION PROPERTIES DIALOG
   1. Click on the **Session** drop-down menu then click **Properties** OR
   2. **Click Properties** icon on the toolbar

C. OPEN UP THE KEYBOARD PROPERTIES DIALOG
   1. From the properties dialog click on the **Emulations** tab then click the **Properties** button
   2. From the IBM 3270 Properties dialog click on the **Keyboard tab**
   3. Click **Edit Button**

D. MAP LOGON SEQUENCE TO A TOOLBAR BUTTON NAMED LOGON
   1. **Select** the **Toolbar** option in the Map To area of the Keyboard Map dialog
   2. In the text box below the Toolbar option type "**Logon**" (without quotes)
   3. In Mapping Options section, select the **String Option**
   4. In the combo box to the right of the String option, select **Meta Key**
   5. Type "**logonidpassword{return}**" (without quotes) in the string text box (obtain logonidpassword from lab instructor)
   6. Click the **Map Key** button

E. SAVE THE KEY MAP AS IBM
   1. Click on the **Save As…** button
   2. Type **"IBM"** (without the quotes) in the Map File name box then **Click Save Button**
   3. Click on the **OK** in the Keyboard Map Properties dialog
   4. Click **OK** on the IBM 3270 Properties dialog
   5. Click **OK** on the Session Properties dialog

F. ACTIVATE THE CONNECTION (VERIFY THAT YOU CAN LOGIN USING THE TOOLBAR BUTTON)
   1. From the drop-down menu, click on **Session**, then click on **Connect**
   2. When you see the Login prompt, click the Logon button to send the login name and password

G. CLOSE THE IBM3270 LAB CONNECTION (SAVE THE CHANGES)
   1. Click on **Connect** on the menu bar, then click **Close**
   2. Click on **Yes** to save the changes to the connection (use the new Keyboard/Toolbar map)

## A. CREATE NEW DCS/WBT CONNECTION NAMED "IBM3270 PRINT LAB".

1. Bring up the IBM NETWORK STATION Connection manager.
2. Click on the **Configure** Tab
3. Click on the **Add button**
4. From the "Create New Connection" dialog box, choose **FUTURESOFT TERMINAL EMULATION CLIENT**
5. Click on the **OK button**
6. Type in the connection description as "**IBM3270 Print Lab**" in the "Create New Connection" dialog box
7. Click on **OK button** or **Enter**

## B. SET TELNET PROPERTY IP ADDRESS TO: 199.165.143.232

1. **Select Telnet** connector type (already highlighted default)
2. **Click Properties** button or **double click** the highlighted telnet connector type
3. Type in Host Address **199.165.143.232**
4. **Click OK** or **Enter**

## C. SET EMULATION TO IBM 3270

1. Click on the **Emulations** tab in the Session Properties dialog box
2. Select **3270 Print** as the emulation type
3. Click on the **Properties** button
4. Click on the **Session** tab
5. Enter the LU Name as **P17T1L27**
6. **Click OK** in the IBM 3270 Print Properties dialog
7. Click on the **General tab** in the Session Properties dialog
8. **Uncheck** the **Auto connect** on session open
9. **Click OK** on the Session Properties dialog

## D. BEGIN THE CONNECTION

1. Click on the **Connections Tab** in the IBM NETWORK STATION Connection Manager window
2. **Double Click** on the **IBM3270 Print Lab** connection name
3. Click on the **Connect** toolbar **icon**
4. Verify that you have successfully established a print connection. This is evidenced by a blank screen with the OIA (Operator Information Area) displaying "Connected", "Bound", and "Idle"

## E. EXIT THE CONNECTION

1. Click on **Connect** from the connection window drop down menu then **click Close**
2. Verify that you are back to the Connection Manager window

## Lab Exercise #16 IBM3270 PRINT

### A. CONTACT THE INSTRUCTOR BEFORE PROCEEDING WITH THIS LAB EXERCISE

This lab exercise can only be done on one NETWORK STATION at a time. Coordination with the instructor and other students is required.

### B. ACTIVATE THE IBM3270 PRINT LAB CONNECTION (CREATED IN A PREVIOUS LAB EXERCISE)

1. Bring up the IBM NETWORK STATION Connection manager.
2. **Double Click** on the **IBM3270 Print Lab** connection name
3. **DO NOT** Activate the connection at this time

### C. ACTIVATE THE IBM3270 LAB CONNECTION (CREATED IN A PREVIOUS LAB EXERCISE)

1. Bring up the IBM NETWORK STATION Connection manager. (Use Ctl-Alt-End key combination to bring up the Connection manager without bringing down the Print connection)
2. **Double Click** on the **IBM3270 Lab** connection name
3. Verify that you have a logon screen from the FutureSoft host

### D. LOGON TO THE IBM HOST SYSTEM

1. **Click** on the **Logon toolbar button** created in a previous lab exercise
2. Verify that you have successfully logged on before proceeding

### E. SET THE LU PRINTER NAME ON THE HOST (PROVIDED BY INSTRUCTOR)

1. Type setprnlu XXXXXXXX where XXXXXXXX is the LU name provided by the instructor
2. Verify that the command executed successfully
3. Type the following command "**PRINT IBM TXT**" (without quotes, including spaces)
4. You should receive a message from the host indicating that the print job was enqueued

### F. ACTIVATE THE IBM3270 PRINT CONNECTION

1. Bring up the Connection Manager (use key combination Ctl-Alt-End)
2. Select the **IBM3270 Print Lab** connection
3. Click the **Start** connection **icon** on the toolbar (Notice the OIA will indicate that printing is taking place)
4. Check the network printer for your printout

### G. CLOSE THE IBM3270 AND IBM3270 PRINT LAB CONNECTIONS

1. Click on **Connect** on the menu bar, then click **Close**
2. From the Connection Manager, **select** the **IBM3270 Lab**
3. Click on the **End button**

A. CREATE NEW DCS/WBT CONNECTION NAMED "IBM5250 PRINT LAB".

1. Bring up the IBM NETWORK STATION Connection manager.
2. Click on the **Configure** Tab
3. Click on the **Add button**
4. From the "Create New Connection" dialog box, choose **FUTURESOFT TERMINAL EMULATION CLIENT**
5. Click on the **OK button**
6. Type in the connection description as "**IBM5250 Print Lab**" in the "Create New Connection" dialog box
7. Click on **OK button** or **Enter**

B. SET TELNET PROPERTY IP ADDRESS TO: 199.165.143.225

1. **Select Telnet** connector type (already highlighted default)
2. **Click Properties** button or **double click** the highlighted telnet connector type
3. Type in Host Address **199.165.143.225**
4. **Click OK** or **Enter**

C. SET EMULATION TO IBM 5250

1. Click on the **Emulations** tab in the Session Properties dialog box
2. Select **5250 Print** as the emulation type
3. Click on the **Properties** button
4. Click on **Use Client Emulation** option
5. Click on **Ignore Host Formatting** option
6. Click on the **Session** tab
7. Enter the User Name as **(get from instructor)**
8. Enter the Password as **(get from instructor)**
9. Click **OK** in the IBM 5250 Print Properties dialog
10. Click on the **General tab** in the Session Properties dialog
11. **Uncheck** the **Auto connect** on session open
12. **Click OK** on the Session Properties dialog

D. BEGIN THE CONNECTION

1. Click on the **Connections Tab** in the IBM NETWORK STATION Connection Manager window
2. **Double Click** on the **IBM5250 Print Lab** connection name
3. Click on the **Connect** toolbar **icon**
4. Verify that you have successfully established a print connection. The OIA will display "Connected" and "Idle"

E. EXIT THE CONNECTION

1. Click on **Connect** from the connection window drop down menu then **click Close**
2. Verify that you are back to the Connection Manager window

## Lab Exercise #18 IBM5250 PRINT

### A. CONTACT THE INSTRUCTOR BEFORE PROCEEDING WITH THIS LAB EXERCISE

This lab exercise can only be done on one NETWORK STATION at a time. Coordination with the instructor and other students is required.

### B. ACTIVATE THE IBM5250 PRINT LAB CONNECTION (CREATED IN A PREVIOUS LAB EXERCISE)

1. Bring up the IBM NETWORK STATION Connection manager.
2. **Double Click** on the **IBM5250 Print Lab** connection name
3. **DO NOT** Activate the connection at this time

### C. ACTIVATE THE IBM5250 LAB CONNECTION (CREATED IN A PREVIOUS LAB EXERCISE)

1. Bring up the IBM NETWORK STATION Connection manager. (Use Ctl-Alt-End key combination to bring up the Connection manager without bringing down the Print connection)
2. **Double Click** on the **IBM5250 Lab** connection name
3. Verify that you have a logon screen from the FutureSoft host

### D. LOGON TO THE IBM AS/400 HOST SYSTEM

1. See the lab instructor for a userid and password
2. Enter the **userid**
3. Enter the **password**
4. Press the **Enter** key
5. Verify that you have successfully logged on before proceeding

### E. PRINT ONE OF THE SYSTEM MESSAGES

1. On the command line enter "**1**" and **press enter** (User tasks)
2. On the command line enter "**2**" and **press enter** (Display messages)
3. **Press F6** to Display system operator messages
4. Use the **Tab** key to position the cursor to one of the rows displaying a message
5. Type a "**5**" and press **Enter**
6. The message is now displayed in it's entirety**. Press F6** to print the message
7. Your print job should now be in the host print queue

### F. ACTIVATE THE IBM5250 PRINT CONNECTION

1. Bring up the Connection Manager (use key combination Ctl-Alt-End)
2. Select the **IBM5250 Print Lab** connection
3. Click the **Start** connection **icon** on the toolbar (Notice the OIA will indicate that printing is taking place)
4. Check the network printer for your printout

### G. CLOSE THE IBM5250 AND IBM5250 PRINT LAB CONNECTIONS

1. Click on **Connect** on the menu bar, then click **Close**
2. From the Connection Manager, **select** the **IBM5250 Print Lab**
3. Click on the **End button**