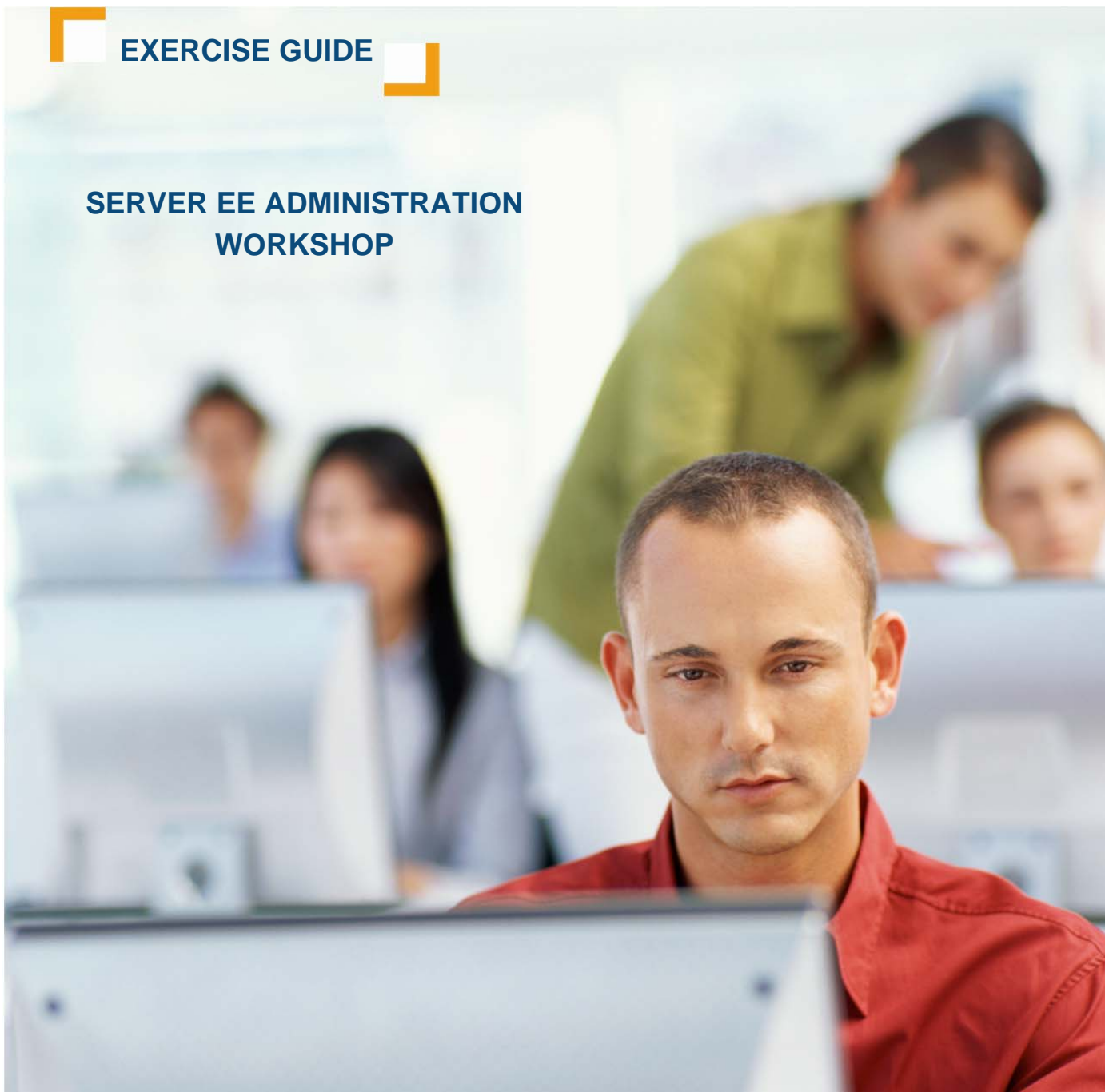


**EXERCISE GUIDE**

**SERVER EE ADMINISTRATION  
WORKSHOP**



*Micro Focus Education Services*

*The Lawn*

*22-30 Old Bath Rd*

*Newbury*

*Berkshire*

*RG 14 1QN*

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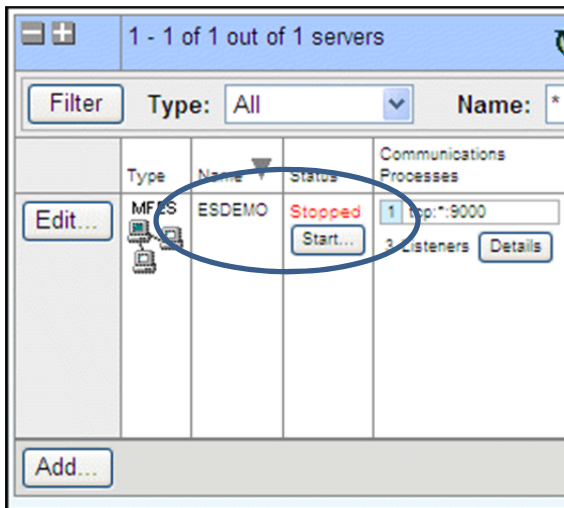
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## Starting and Stopping Servers -EG: Exercise 01

**Task Overview:** Start and Stop an enterprise server

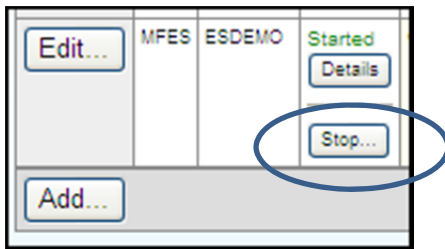
**Objective:** Access the Enterprise Server Administration page  
Start an enterprise server - ESDEMO  
Stop an enterprise server - ESDEMO


1. Open the Enterprise Server Administration page:  
Start Enterprise Server Administration in the following way:  
Use a web browser to access the following URL  
<computer name>:<port number> format  
e.g. <http://localhost:86>
2. Start the ESDEMO server:



3. Click  to update the display to show changes in the server status and ensure the server has started.

4. Stop the ESDEMO server:



5. Click  to update the display to show changes in the server status and ensure the server has stopped.

### **Congratulations - you have finished the exercise**

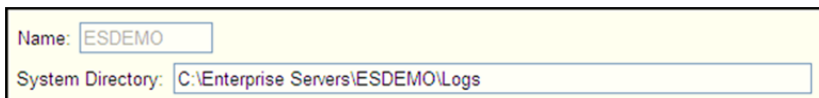
Please return to your Participant Guide at the next section or as directed by the instructor

## Defining System Directory and Local Console-EG: Exercise 01

**Task Overview:** Define the location of the System Directory

**Objective:** Ensure Enterprise Server writes log, dump and trace information to files into a specific directory.

1. Create the folder **C:\Enterprise Servers\ESDEMO\Logs**
2. Open the Enterprise Server Administration page:  
Start Enterprise Server Administration in the following way:  
Use a web browser to access the following URL  
<computer name>:<port number> format  
e.g. <http://localhost:86>
3. Edit the configuration settings for the server ESDEMO.
4. Specify the location for system work files output by the Enterprise Server. (**Note:** the directory must exist, Enterprise Server does not create it).



Name:

System Directory:

5. Apply the changes.
6. Start the ESDEMO server.
7. Check the contents of the folder **C:\Enterprise Servers\ESDEMO\Logs**. The folder should contain at least console.log. log.html.

### **Congratulations - you have finished the exercise**

Please return to your Participant Guide at the next section or as directed by the instructor

## Defining System Directory and Local Console-EG: Exercise 02

Task Overview: Show the Local Console.

Objective: Ensure text window containing enterprise server messages while the server is running is displayed.

1. Open the Enterprise Server Administration page:  
Start Enterprise Server Administration in the following way:  
Use a web browser to access the following URL  
<computer name>:<port number> format  
e.g. <http://localhost:86>
2. Edit the configuration settings for the server ESDemo.
3. Edit the Startup Options – ensure Show Local Console is checked.

The screenshot shows a configuration window for the Enterprise Server Administration. It contains several settings: Shared Memory Pages (512), Service Execution Processes (2), Shared Memory Cushion (32), Requested Licenses (10), Show Local Console (checkbox, circled in blue), Allow Dynamic Debugging (checkbox), Start on System Start (checkbox), 64-Bit Working Mode (checkbox), Purge Old Logs (checkbox), and Console Log Size (K) (0).

4. Apply the changes.  
Start the ESDemo server.  
The console window should appear.

### **Congratulations - you have finished the exercise**

Please return to your Participant Guide at the next section or as directed by the instructor

## Adding a server-EG: Exercise 01

Task Overview: Add new server instance - CICSONLY

Objective: Add a new enterprise server with CICS capabilities.

1. Open the Enterprise Server Administration page:  
Start Enterprise Server Administration in the following way:  
Use a web browser to access the following URL  
<computer name>:<port number> format  
e.g. <http://localhost:86>
2. Select the Add button.
3. Enter the Server Name: **CICSONLY** and select MSS Support.
4. Select **Next >>**.
5. Define **C:\CICSONLY\Logs** in the System Directory field, this folder will receive the console.log. log.html. (**Note:** the directory must exist, Enterprise Server does not create it).
6. Ensure Show Local Console is checked.
7. Define a TN3270 listener port : **5343**. Ensure the ISC listener is unchecked.
8. Select **Add** to update and add the server instance.
9. Use Windows explorer to create a folder **C:\CICSONLY\Logs**.
10. Start the **CICSONLY** server.
11. Check the contents of the folder **C:\CICSONLY\Logs**.  
The folder should contain at least console.log. log.html.

### Congratulations - you have finished the exercise

Please return to your Participant Guide at the next section or as directed by the instructor

## Adding a server-EG: Exercise 02

Task Overview: Verify server configuration - CICS.

Objective: Ensure enterprise server starts with CICS configuration – run supplied CICS transactions.

1. Ensure the CICSONLY server is started.
2. Start a TN3270 terminal emulator. Configure a session to connect to the CICSONLY server via the TN3270 listener port 5343.
3. Signon to the CICS region:  
  
ID=SYSAD Password=SYSAD.
4. Type the supplied transaction **CMAF** followed by enter.  
CMAF displays the contents of BMS maps and mapsets.  
(The information displayed shows maps and mapsets in the Enterprise Server system folder, no application maps have been defined).
5. Type the supplied transaction CENV - Show Active Configuration  
this will display the current environment used by Enterprise Server.
6. Disconnect the TN3270 session.
7. Stop the CICSONLY enterprise server.

### **Congratulations - you have finished the exercise**

Please return to your Participant Guide at the next section or as directed by the instructor



## Defining CICS Resources-EG: Exercise 01

Task Overview: Configure enterprise server to enable CICS

Objective: Edit server configuration to add CICS capabilities.

1. Open the Enterprise Server Administration page:  
Start Enterprise Server Administration in the following way:  
Use a web browser to access the following URL  
<computer name>:<port number> format  
e.g. <http://localhost:86>
2. Select the **Edit** button.
3. Edit the configuration settings for the server CICSONLY.
4. Under the Server > Properties > MSS add the following:

CICS enabled: ☒

System Initialization Table:

Transaction Path:

File Path:

Map Path:

Resource Definition File Path:

EZASOKET support: ☐

5. Select Apply.

6. Start the CICSONLY server.
7. Check the contents of the folder C:\CICSONLY\Logs.
8. The folder should contain at least console.log. log.html.
9. Ensure the CICSONLY server is started.
10. Start a TN3270 terminal emulator. Configure a session to connect to the CICSONLY server via the TN3270 listener port 5343.
11. Type the supplied transaction CMAP followed by enter.
12. CMAP displays the contents of BMS maps and mapsets.
13. (The information displayed shows maps and mapsets in the C:\Bank\Loadlib folder followed by Enterprise Server system folder.
14. Type the supplied transaction CENV - Show Active Configuration
15. this will display the current environment used by Enterprise Server including the application folders.
16. Disconnect the TN3270 session.
17. Stop the CICSONLY enterprise server.

### **Congratulations - you have finished the exercise**

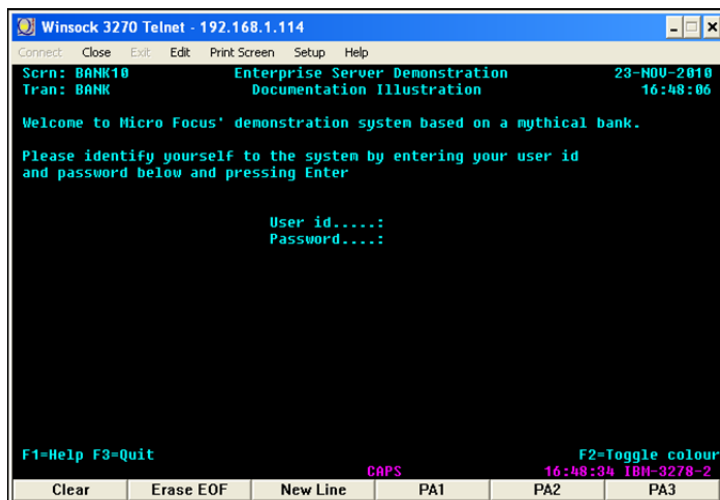
Please return to your Participant Guide at the next section or as directed by the instructor

## Defining CICS Resources-EG: Exercise 02

**Task Overview:** Successfully run an online application.

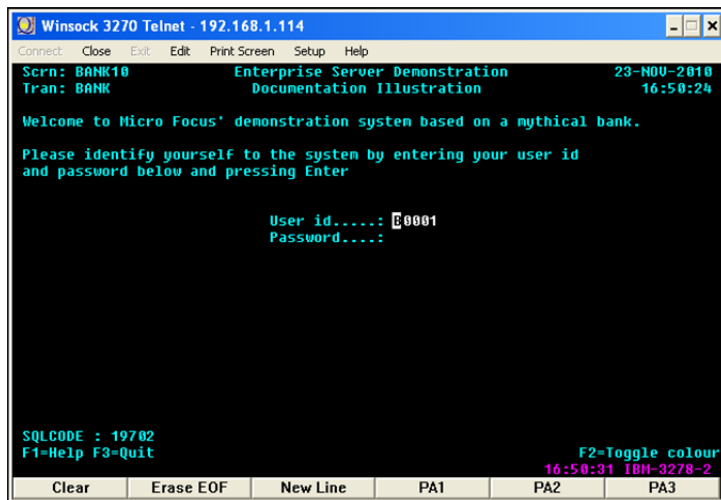
**Objective:** Ensure CICS resources are enabled in order to successfully run an online application.

1. Open the Enterprise Server Administration page:  
 Start Enterprise Server Administration in the following way:  
 Use a web browser to access the following URL  
 <computer name>:<port number> format  
 e.g. <http://localhost:86>
2. Start the CICSONLY server.
3. Start a TN3270 terminal emulator. Configure a session to connect to the CICSONLY server via the TN3270 listener port 5343.
4. Run the following transaction: BANK, the application Signon screen appears:



5. Signon – ID=B0001 Password=X

6. The application fails with an SQL Error 19702:



**Note:** SQLCODE 19702 – Connection name not found. The database connection has not been configured.

7. Disconnect the TN3270 session.
8. Stop the CICSONLY enterprise server.

## Congratulations - you have finished the exercise

Please return to your Participant Guide at the next section or as directed by the instructor

## Working with Databases-EG: Exercise 01

Task Overview: Configure enterprise server to enable XA .

Objective: Update enterprise server to enable XA.

1. Open the Enterprise Server Administration page:  
Start Enterprise Server Administration in the following way:  
Use a web browser to access the following URL  
<computer name>:<port number> format  
e.g. <http://localhost:86>
2. Edit the configuration settings for the server CICSONLY.
3. Under the Server > Properties > XA Resources add the following:  
  
ID = DB7R  
Name = MSSQL/ODBC  
Module = C:\Bank\XA\ESODBCXA.DLL  
Open String = DSN=Bank,usrpass=sa.sapwd
4. Select **Add**.
5. Start the **CICSONLY** server.
6. Check the contents of the console.log, ensuring the XA switch module has loaded correctly.
7. Stop the CICSONLY enterprise server.

### Congratulations - you have finished the exercise

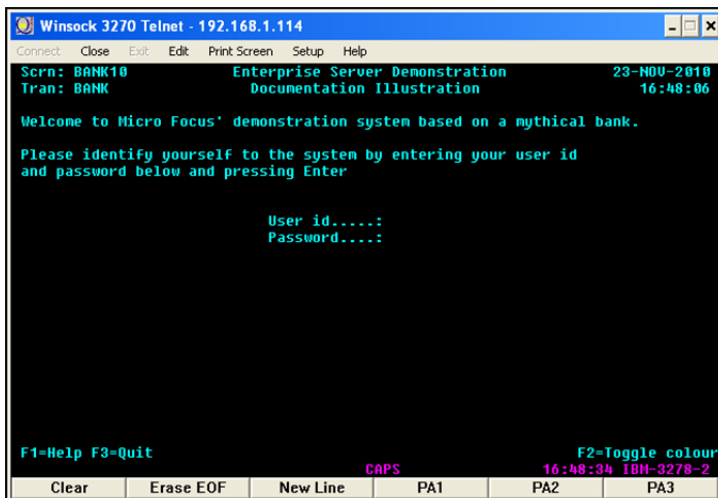
Please return to your Participant Guide at the next section or as directed by the instructor

## Working with Databases-EG: Exercise 02

**Task Overview:** Successfully run an online application.

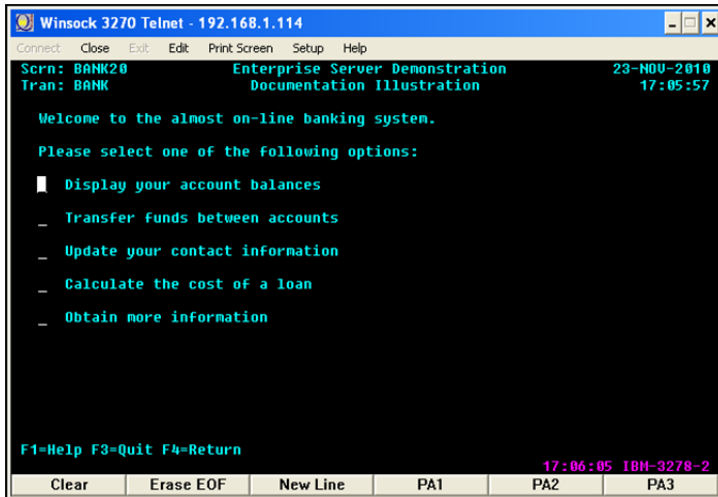
**Objective:** Ensure CICS resources are enabled in order to successfully run an online application.

1. Open the Enterprise Server Administration page:  
Start Enterprise Server Administration in the following way:  
Use a web browser to access the following URL  
<computer name>:<port number> format  
e.g. <http://localhost:86>
2. Start the CICSONLY server.
3. Start a TN3270 terminal emulator. Configure a session to connect to the CICSONLY server via the TN3270 listener port 5343.
4. Run the following transaction: BANK, the application Signon screen appears:



5. Signon – ID=B0001 Password=X

6. The application main menu screen should appear:



7. Disconnect the TN3270 session.  
8. Stop the CICSONLY enterprise server.

## **Congratulations - you have finished the exercise**

Please return to your Participant Guide at the next section or as directed by the instructor

## Dynamic Configuration-EG: Exercise 01

Task Overview: Make a new copy of a server.

Objective: Copy an individual server in order to add dynamic configuration.

1. Open the Enterprise Server Administration page:  
Start Enterprise Server Administration in the following way:  
Use a web browser to access the following URL  
<computer name>:<port number> format  
e.g. <http://localhost:86>
2. Edit the configuration settings for the server CICSONLY.
3. Select **Copy** at the bottom of the page.
4. Enter the new server name "BANK".
5. Click OK.
6. The new server appears on Enterprise Server Administration page.

### **Congratulations - you have finished the exercise**

Please return to your Participant Guide at the next section or as directed by the instructor

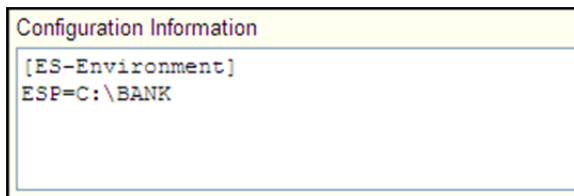


## Dynamic Configuration-EG: Exercise 02

Task Overview: Add dynamic configuration options.

Objective: Add dynamic configuration in order to simplify configuration.

1. Open the Enterprise Server Administration page:  
Start Enterprise Server Administration in the following way:  
Use a web browser to access the following URL  
<computer name>:<port number> format  
e.g. <http://localhost:86>
2. Edit the configuration settings for the server BANK.
3. Add the following on the main configuration page:



```
Configuration Information
[ES-Environment]
ESP=C:\BANK
```

4. On the MSS tab add the following detail:  
System Initialization Table = **BANKDEMO**  
Transaction Path = **\$ESP\Loadlib**  
File Path = **\$ESP\Data**  
Map Path = **\$ESP\Loadlib**  
Resource Definition File Path = **\$ESP\System**
5. Start the CICSONLY server.
6. Check the contents of the folder C:\CICSONLY\Logs.
7. Ensure the BANK server is started.
8. Start a TN3270 terminal emulator, run the transaction BANK.
9. Ensure the application runs correctly.
10. Stop the server.

11. Edit all configuration options to include the use of the environment variable \$ESP. For example: System Directory, XA Resources etc.

### **Congratulations - you have finished the exercise**

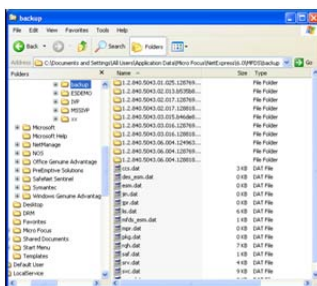
Please return to your Participant Guide at the next section or as directed by the instructor

## Import / Export / Copy-EG: Exercise 01

**Task Overview:** Use the Export /Import option to backup or restore all server or individual server.

Objective: Backup **ALL** servers listed on the Home page of Enterprise Server Administration

1. Open the Enterprise Server Administration page:  
Start Enterprise Server Administration in the following way:  
Use a web browser to access the following URL  
<computer name>:<port number> format  
e.g. <http://localhost:86>
2. Select **Export** under Actions on the menu on the left-hand side of the page.
3. Accept the default location for the backup:  
"C:\Documents and Settings\All Users\Application Data\Microsoft Focus\NetExpress\6.0\MFDS\backup"
4. Copy the default location path to the clipboard.
5. Click OK.
6. Paste the default location path into the address bar of Windows Explorer:



**Congratulations - you have finished the exercise**

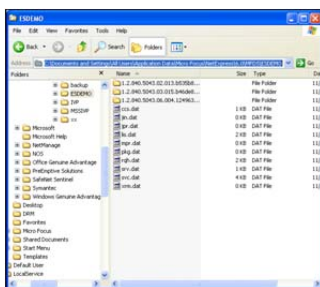
Please return to your Participant Guide at the next section or as directed by the instructor

## Import / Export / Copy-EG: Exercise 02

**Task Overview:** Use the Export /Import option to backup or restore all server or individual server.

**Objective:** Backup an individual server listed on the Home page of Enterprise Server Administration.

1. Open the Enterprise Server Administration page:  
Start Enterprise Server Administration in the following way:  
Use a web browser to access the following URL  
<computer name>:<port number> format  
e.g. <http://localhost:86>
2. Edit the configuration settings for the server ESDemo.
3. Select **Export** at the bottom of the page.
4. Accept the default location for the backup:  
"C:\Documents and Settings\All Users\Application Data\Micro Focus\NetExpress\6.0\MFDS\ESDEMO"
5. Copy the default location path to the clipboard.
6. Click OK.
7. Paste the default location path into the address bar of Windows Explorer:



**Congratulations - you have finished the exercise**

Please return to your Participant Guide at the next section or as directed by the instructor

## Import / Export / Copy-EG: Exercise 03

**Task Overview:** Use the Export /Import option to backup or restore all server or individual server.

**Objective:** Restore a specific server.

1. Open the Enterprise Server Administration page:

Start Enterprise Server Administration in the following way:

Use a web browser to access the following URL

<computer name>:<port number> format

e.g. <http://localhost:86>

Edit the configuration settings for the server ESDEMO.

### Delete the ESDEMO server.

2. Remove the ESDEMO server. Select **Delete** at the bottom of the page.
3. The ESDEMO server is has been removed.

### Import the ESDEMO server.

4. Select **Import** under Actions on the menu on the left-hand side of the page.
5. Enter the location for the restore:  
"C:\Documents and Settings\All Users\Application Data\Micro Focus\NetExpress\6.0\MFDS\ESDEMO"
6. Click OK.
7. Check the server appears on the main ESA page.

## Congratulations - you have finished the exercise

Please return to your Participant Guide at the next section or as directed by the instructor

## Import / Export / Copy-EG: Exercise 04

Task Overview: Make a new copy of a server.

Objective: Copy an individual server.

1. Open the Enterprise Server Administration page:  
Start Enterprise Server Administration in the following way:  
Use a web browser to access the following URL  
<computer name>:<port number> format  
e.g. <http://localhost:86>
2. Edit the configuration settings for the server ESDemo.
3. Select **Copy** at the bottom of the page.
4. Enter the new server name "NEWSRVR".
5. Click OK.
6. The new server appears on Enterprise Server Administration page.

### **Congratulations - you have finished the exercise**

Please return to your Participant Guide at the next section or as directed by the instructor

## Restricting Administrative Access-EG: Exercise 01

Task Overview: Restricting administration access via the security configuration option

Objective: Adding a new Group.

1. Open the Enterprise Server Administration page:  
Start Enterprise Server Administration in the following way:  
Use a web browser to access the following URL  
<computer name>:<port number> format  
e.g. <http://localhost:86>
2. Select **Configure** > **Security** on the menu on the left-hand side of the Enterprise Server Administration Web page.
3. Click **Edit** followed by **Properties** to access pages for the management of users, groups.
4. Select the **Groups** tab. Add a new group '**General**', accept the default permissions.

### **Congratulations - you have finished the exercise**

Please return to your Participant Guide at the next section or as directed by the instructor

## Restricting Administrative Access-EG: Exercise 02

Task Overview: Restricting administration access via the security configuration option

Objective: Adding a new User.

1. Select **Configure > Security** on the menu on the left-hand side of the Enterprise Server Administration Web page.
2. Click **Edit** followed by **Properties** to access pages for the management of users, groups.
3. Select the **Users** tab.
4. Add a new user '**FRED**'.
5. Add FRED to the GENERAL group.

### **Congratulations - you have finished the exercise**

Please return to your Participant Guide at the next section or as directed by the instructor



## Restricting Administrative Access-EG: Exercise 03

Task Overview: Restricting administration access via the security configuration option

Objective: Restricted user access.

1. Open the Enterprise Server Administration page:  
Start Enterprise Server Administration in the following way:  
Use a web browser to access the following URL  
<computer name>:<port number> format  
e.g. <http://localhost:86>
2. Select **Configure > Security** on the menu on the left-hand side of the Enterprise Server Administration Web page.
3. Select the MF Directory Server tab.  
Check **Restrict User Access** followed by clicking **Apply**.
4. A change in administration access from Unrestricted to Restricted requires verification. Supply the logon credentials:  
**ID=SYSAD Password=SYSAD**
5. Select **Log Off** on the menu on the left-hand side of the Enterprise Server Administration Web page.
6. Access to ESA is now restricted, any user wanting to use the administrative features must first log on.  
Log on using the id FRED. (Restricted access).  
Notice that FRED cannot Start / Stop servers, Configure the server etc.
7. Disable Restricted Access. (**Note:** Repeat steps 2 through 5).

### Congratulations - you have finished the exercise

Please return to your Participant Guide at the next section or as directed by the instructor

## Working with JCL-EG: Exercise 01

Task Overview: Add new server instance - JCLONLY

Objective: Add a new enterprise server with JES capabilities.

1. Open the Enterprise Server Administration page:  
Start Enterprise Server Administration in the following way:  
Use a web browser to access the following URL  
<computer name>:<port number> format  
e.g. <http://localhost:86>
2. Select the Add button.
3. Enter the Sever Name: **JCLONLY** and select MSS Support.
4. Select **Next >>**.
5. Define **C:\JCLONLY\Logs** in the System Directory field, this folder will receive the console.log. log.html. (**Note:** the directory must exist, Enterprise Server does not create it).
6. Ensure Show Local Console is checked.
7. Select **Add** to update and add the server instance.
8. Use Windows explorer to create a folder **C:\JCLONLY\Logs**.
9. Start the **JCLONLY** server.
10. Check the contents of the folder **C:\JCLONLY\Logs**.  
The folder should contain at least console.log. log.html.
11. Stop the **JCLONLY** server.

### Congratulations - you have finished the exercise

Please return to your Participant Guide at the next section or as directed by the instructor

## Working with JCL-EG: Exercise 02

**Task Overview:** Add JES capability to JCLONLY server

**Objective:** Update server configuration to enable JES capabilities.

1. Open the Enterprise Server Administration page:  
Start Enterprise Server Administration in the following way:  
Use a web browser to access the following URL  
<computer name>:<port number> format  
e.g. <http://localhost:86>
2. Edit the configuration settings for the server JCLONLY.  
Under the **Server > Properties > MSS > JES > General** add the following:

The screenshot shows a web-based configuration interface for JES (Job Entry Subsystem) settings. At the top, there are tabs for 'CICS (✓)', 'JES...', and 'IMS...'. The 'JES...' tab is selected. Below this, there are sub-tabs for 'General', 'Initiators (0)', and 'Printers (0)'. The 'General' sub-tab is active. The configuration fields are as follows:

- Job Entry Subsystem enabled:** A checkbox that is currently unchecked.
- JES Program Path:** A text field containing 'C:\Bank\Loadlib'.
- System Catalog:** A text field containing 'C:\Bank\CATALOG.DAT'.
- Default Allocated Dataset Location:** A text field containing 'C:\Bank\Data'.
- System Procedure Library:** An empty text field.
- Fileshare Configuration Location:** An empty text field.

At the bottom left of the configuration area is an 'Apply' button.

3. Check Job Entry Subsystem enabled for this server.
4. Select **Apply**.

5. On the **JES > Initiators** tab add the following:

The screenshot shows a window titled 'Mainframe Transaction Option enabled: [checked]'. It has three tabs: 'CICS (✓)', 'JES... (✓)', and 'IMS...'. The 'JES... (✓)' tab is selected. Inside this tab, there are three sub-tabs: 'General', 'Initiators (1)', and 'Printers (0)'. The 'Initiators (1)' sub-tab is selected. Below the sub-tabs is a button labeled 'Edit Initiator...'. Underneath this button are three text input fields: 'Name:' with the value 'INITA', 'Class:' with the value 'A', and 'Description:'. At the bottom of the window are three buttons: 'Cancel', 'OK', and 'Delete...'.

6. Select **OK**.
7. Start the **JCLONLY** server.
8. Check the contents of the console.log in the folder **C:\JCLONLY\Logs**. The log should contain messages relating to JES and Initiators. Ensure the JCLONLY server is started.

## **Congratulations - you have finished the exercise**

Please return to your Participant Guide at the next section or as directed by the instructor

## Working with JCL-EG: Exercise 03

Task Overview: Viewing the CATALOG

Objective: Ensure CATALOG is available

1. Open the Enterprise Server Administration page:  
Start Enterprise Server Administration in the following way:  
Use a web browser to access the following URL  
<computer name>:<port number> format  
e.g. <http://localhost:86>
2. Start the **JCLONLY** server.
3. Select the Details button for the running server followed by ES Monitor & Control.
4. Select **Resources > JES** dropdown.
5. Select **CATALOG** – view the CATALOG entries.

### **Congratulations - you have finished the exercise**

Please return to your Participant Guide at the next section or as directed by the instructor

## Working with JCL-EG: Exercise 04

Task Overview: Running JCL

Objective: Run a number of Jobs, view the Spool, Ensure CATALOG is updated and a bank statement is produced.

1. Open the Enterprise Server Administration page:  
Start Enterprise Server Administration in the following way:  
Use a web browser to access the following URL  
<computer name>:<port number> format  
e.g. <http://localhost:86>
2. Ensure the **JCLONLY** server is running.
3. Select the Details button for the running server followed by ES Monitor & Control.
4. Select **Resources > JES** dropdown.
5. Select **Control**.
6. Browse to c:\Bank\JCL. Select and submit ZBNKINIT1.JCL.  
ZBNKINT1.JCL will define GDG files.
7. Select Spool – check the JES Output Queue.
8. Select **CATALOG** – ensure the GDG bases appear in the CATALOG.
9. Browse to c:\Bank\JCL. Select and submit ZBNKBAT1.JCL.
10. Select Spool – check the JES Output Queue.

### Congratulations - you have finished the exercise

Please return to your Participant Guide at the next section or as directed by the instructor

## Command Line Interface-EG: Exercise 01

Task Overview: Submitting JCL from command line

Objective: Force JCL submission to fail

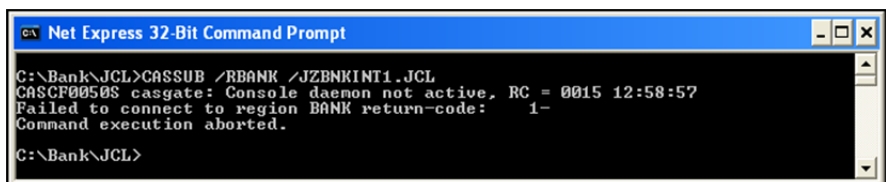
1. Open the Enterprise Server Administration page:  
Start Enterprise Server Administration in the following way:  
Use a web browser to access the following URL  
<computer name>:<port number> format  
e.g. <http://localhost:86>
2. Start the **BANK** server.
3. Open the Windows Task Manager, switch to the processes tab, the cassi.exe processes are owned by SYSTEM.
4. Open a Net Express or Server command prompt.
5. Change to the following directory:

C:\Bankdemo\JCL

6. Submit JCL, execute the following command:

CASSUB /rBANK /jZBNKINIT1.JCL

7. The following error appears:



```
Net Express 32-Bit Command Prompt
C:\Bank\JCL>CASSUB /RBANK /JZBNKINIT1.JCL
CASCFO050S casgate: Console daemon not active, RC = 0015 12:58:57
Failed to connect to region BANK return-code: 1-
Command execution aborted.
C:\Bank\JCL>
```

8. Stop the BANK server.

### Congratulations - you have finished the exercise

Please return to your Participant Guide at the next section or as directed by the instructor

## Command Line Interface-EG: Exercise 02

Task Overview: Use CASSTART and CASSTOP

Objective: Start and stop server from command line

1. Open a Net Express or Server command prompt.
2. Start the BANK server, execute the following command:

`CASSTART /rBANK`

3. Open the Windows Task Manager, switch to the processes tab, the `cassi.exe` processes are owned by MFUSER (or currently logged on user).
4. Stop the BANK server, , execute the following command:

`CASSTOP /rBANK`

### **Congratulations - you have finished the exercise**

Please return to your Participant Guide at the next section or as directed by the instructor



## Command Line Interface-EG: Exercise 03

Task Overview: Submitting JCL from command line

Objective: Successfully submit JCL from command line

1. Open a Net Express or Server command prompt.
2. Start the BANKDEMO server, execute the following command:

CASSTART /rBANK

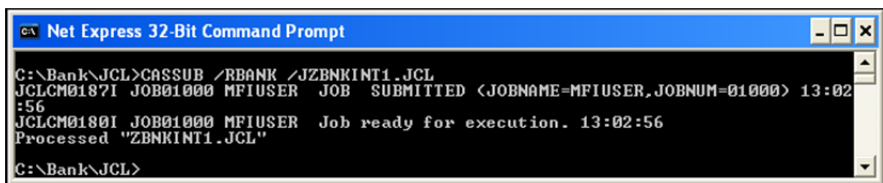
3. Open the Windows Task Manager, switch to the processes tab, the cassi.exe processes are owned by MFUSER (or currently logged on user).
4. Change to the following directory:

C:\Bank\JCL

5. Submit JCL, execute the following command:

CASSUB /rBANK /jZBNKINIT1.JCL

The job should successfully run:



```
C:\Bank\JCL>CASSUB /rBANK /jZBNKINIT1.JCL
JCLCM0187I JOB01000 MFUSER JOB SUBMITTED <JOBNAME=MFUSER,JOBNUM=01000> 13:02:56
JCLCM0180I JOB01000 MFUSER Job ready for execution. 13:02:56
Processed "ZBNKINIT1.JCL"
C:\Bank\JCL>
```

6. Stop the BANK server, , execute the following command:

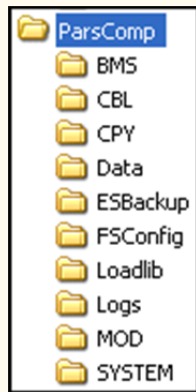
CASSTOP /rBANK

### **Congratulations - you have finished the exercise**

Please return to your Participant Guide at the next section or as directed by the instructor

## Using Enterprise Server with Fileshare-EG: Exercise 01

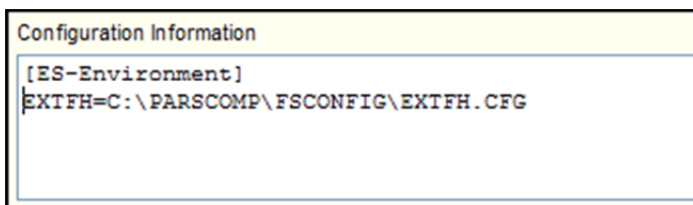
**Task Overview:** Configure MSS to use a Stand-alone Fileshare server.  
The application ParsComp is a migrated mainframe application. It is a small system consisting of various menus and screens dealing with a fictitious company used for display, addition, deletion and update of corporate data (VSAM).  
The application is installed in the following folder structure:



**Objective:** Import a preconfigure enterprise server definition.  
Add file handler configuration to ES.  
Add necessary entries to SIT and catalog.  
Add Fileshare security.  
Start/Stop Fileshare.  
Administer Fileshare server using FSView.

1. Create a new instance of enterprise server.
  - a. Start Enterprise Server Administration in the following way:  
Use a web browser to access the following URL  
<computer name>:<port number> format  
e.g. <http://localhost:86>
  - b. Import the PARSCOMP enterprise server definitions from the ESBakup folder.

2. Edit the configuration settings for the PARCOMP server.  
Add the EXTFH environment variable to point to File Handler configuration file extfh.cfg.



3. Start the PARSCOMP enterprise server.
4. Add a new ESMAC user.  
Within ESMAC select Users.  
Copy the user FSVIEW and assign the name ESADMIN (uppercase).  
Assign the password 'admin' (lowercase).  
(**Note:** this user will be added to the Fileshare password file in order the ES can access data files via Fileshare).
5. Add the ESADMIN id and password to the SIT for MFECICS.
6. View the catalog entry for the CUSMAST file.  
(**Note:** the physical filename should be prefixed with \$\$PARSCOMPFS).
7. Open a Net Express command prompt and change directory to C:\Parscomp\FSConfig.
8. Create a password file for users who will connect to the Fileshare Server.  
**fs /pf pass.dat /u FSVIEW /pw admin**  
**fs /pf pass.dat /u ESADMIN /pw admin**
9. Change directory to C:\Parscomp.
10. Start the PARSCOMPFS Fileshare server.  
**fs /cf fsconfig\fs.cfg**  
(Note: this will find the fs.cfg file containing the relevant configuration options in the FSConfig folder).

### **Congratulations - you have finished the exercise**

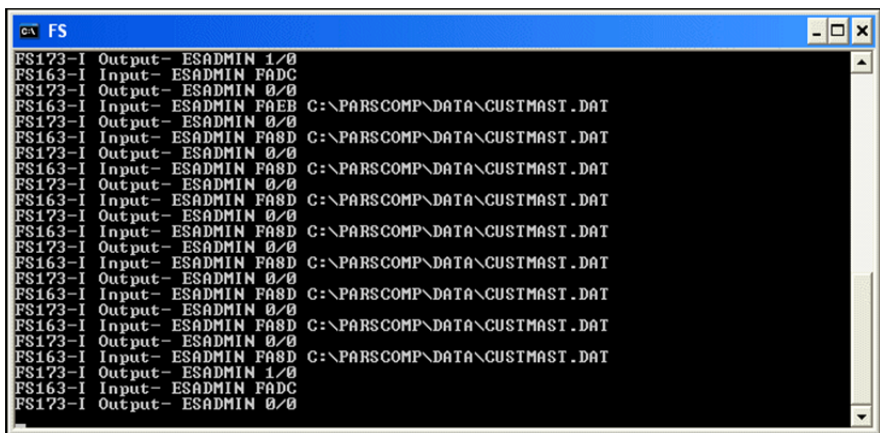
Please return to your Participant Guide at the next section or as directed by the instructor

## Using Enterprise Server with Fileshare-EG: Exercise 02

Task Overview: Ensure Fileshare in use.

Objective: Run the ParsComp application, view the Fileshare console to ensure Fileshare output is correct.

1. Start a TN3270 session.  
Connect to the PARSCOMP enterprise server.
2. Run the **MCST** transaction.
3. From the main menu choose **PF5** Display Customers by Customer Number.
4. Check the Fileshare console window for file activity:



The screenshot shows a Fileshare console window titled 'FS'. It displays a series of input and output messages between a user (FS173) and the system (ESADMIN). The messages indicate file operations on the path C:\PARSCOMP\DATA\CUSTMAST.DAT. The sequence of messages is as follows:

```

FS173-I Output- ESADMIN 1/0
FS163-I Input- ESADMIN FADC
FS173-I Output- ESADMIN 0/0
FS163-I Input- ESADMIN FAEB C:\PARSCOMP\DATA\CUSTMAST.DAT
FS173-I Output- ESADMIN 0/0
FS163-I Input- ESADMIN FA8D C:\PARSCOMP\DATA\CUSTMAST.DAT
FS173-I Output- ESADMIN 0/0
FS163-I Input- ESADMIN FA8D C:\PARSCOMP\DATA\CUSTMAST.DAT
FS173-I Output- ESADMIN 0/0
FS163-I Input- ESADMIN FA8D C:\PARSCOMP\DATA\CUSTMAST.DAT
FS173-I Output- ESADMIN 0/0
FS163-I Input- ESADMIN FA8D C:\PARSCOMP\DATA\CUSTMAST.DAT
FS173-I Output- ESADMIN 0/0
FS163-I Input- ESADMIN FA8D C:\PARSCOMP\DATA\CUSTMAST.DAT
FS173-I Output- ESADMIN 0/0
FS163-I Input- ESADMIN FA8D C:\PARSCOMP\DATA\CUSTMAST.DAT
FS173-I Output- ESADMIN 1/0
FS163-I Input- ESADMIN FADC
FS173-I Output- ESADMIN 0/0
  
```

### Congratulations - you have finished the exercise

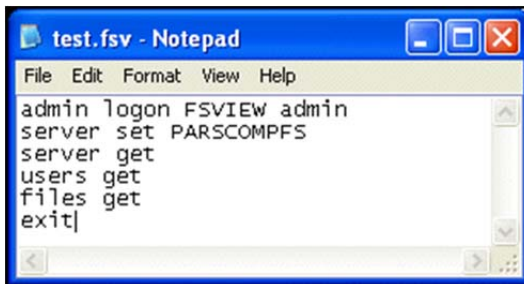
Please return to your Participant Guide at the next section or as directed by the instructor

## Using Enterprise Server with Fileshare-EG: Exercise 03

Task Overview: Use FSVIEW to administer Fileshare Server.

Objective: Use FSVIEW to logon, view files and users.

1. Open a Net Express command prompt and change directory to C:\Parscomp.
2. Start FSVIEW:  
set the server to PARSCOMPFS  
get the current users and files  
exit
3. Logon with userid ESADMIN
4. Create an FSVIEW command file as described below:



5. Run FSVIEW supplying the command file:  
**fsview @test.fsv**
6. Run FSVIEW supplying the command file and redirecting the output to a file:  
**fsview @test.fsv >fsview.log**
7. View the output file fsview.log.

### Congratulations - you have finished the exercise

Please return to your Participant Guide at the next section or as directed by the instructor