

Lab 2 – Access the Mainframe with TSO and ISPF

In this exercise, we will log back onto the VM (if logged off) and connect into the training mainframe terminal. Once on the mainframe, we will review the menus, key functionality, and identify training material on the mainframe.

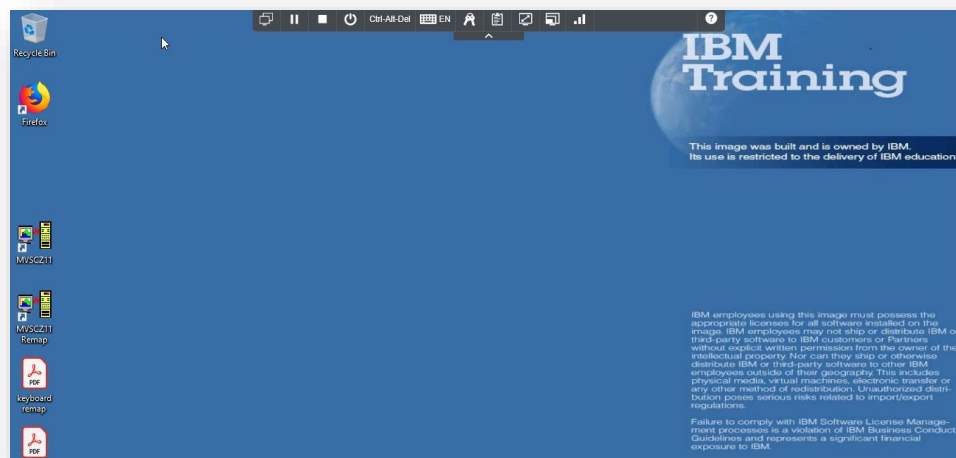
Objectives

After completing this lab exercise, you will be able to:

- Launch and access the virtual machine VM.
- Launch the PCOMM connection to our terminal and connect ISPF using TSO.
- Review the primary ISPF menus and submenu items.
- Log off ISPF.

Step by step:

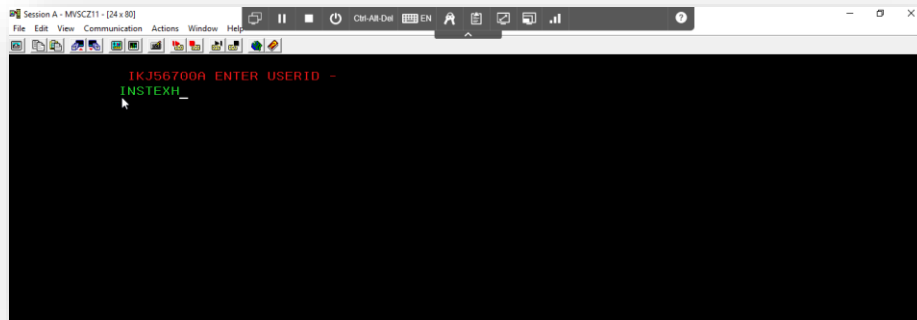
1. Launch and access the VM (if logged off)
 - a. Click on the lab link in Coursera for this lesson.
2. Launch the PCOMM connection to our terminal and connect ISPF using TSO.
 - a. Double click on **MSVC1** to connect to the mainframe, which will launch **TSO**.



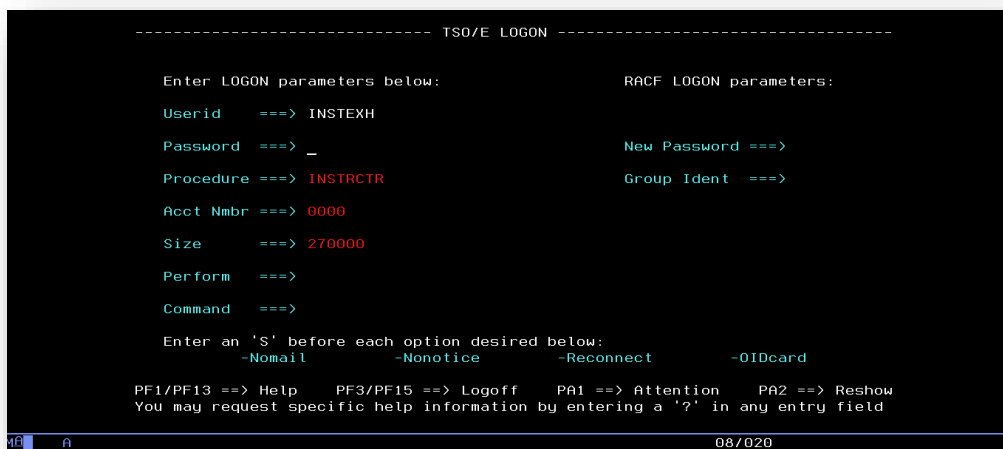
Time Sharing Option/Extensions (TSO/E) allows users to create an interactive session with the z/OS® system. TSO provides a single-user logon capability and a basic command prompt interface to z/OS.

Most users work with TSO through its menu-driven interface, Interactive System Productivity Facility (ISPF). This collection of menus and panels offers a wide range of functions to assist users in working with data files on the system. ISPF users include system programmers, application programmers, administrators, and others who access z/OS. In general, TSO and ISPF make it easier for people with varying levels of experience to interact with the z/OS system.

b. Enter your **TSO ID** (see course kit) and press **Enter**.

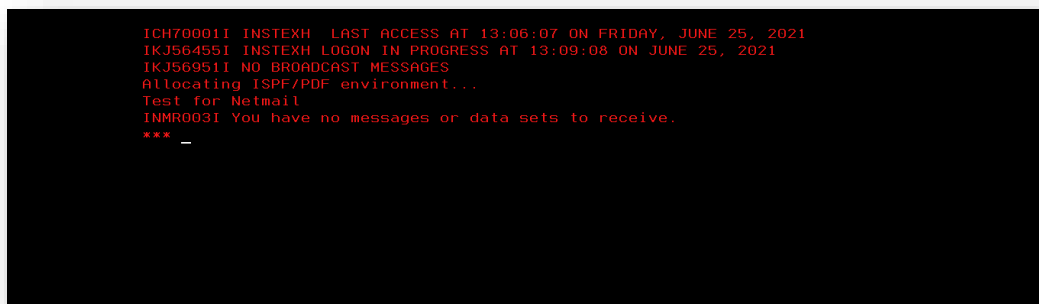


c. Enter your **TSO Password** (see course kit) and press **Enter**.



If this is your first time logging on, you will be prompted to change your password.

d. Press **Enter** again.



You've accessed Interactive System Productivity Facility (ISPF).

```
Menu Utilities Compilers Options Status Help
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Option ==> ISPF Primary Option Menu MVS System: MVSCZ11

0 Settings      Terminal and user parameters      No. of keys: 24
1 View          Display source data or listings        Keys / line: SIX
2 Edit          Create or change source data           Primary set: SIX
3 Utilities      Perform utility functions              Display set: PRI
4 Foreground    Interactive language processing        List name. : ISRSAB
5 Batch          Submit job for language processing      List applid: ISR
6 Command        Enter TSO or Workstation commands      List type. : SHARED
7 Dialog Test    Perform dialog testing                 Keylists. : PRIVATE
8 LM Facility    Library administrator functions
9 ITS MENU       ITS extended menu
0 ONDEMAND       ONDEMAND administration

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F10=Actions F12=Cancel          ard F8=Forward F9=Swap

MVS A 04/014
```

Interactive System Productivity Facility (ISPF) is a software product for many historic IBM mainframe operating systems and currently the z/OS and z/VM operating systems that run on IBM mainframes. It includes a screen editor, the user interface of which was emulated by some microcomputer editors sold commercially starting in the late 1980s.

- e. Place the cursor at the letter **M** of the **Menu** and press **Enter**. Review each menu and the menu subitems.

```
Menu Utilities Compilers Options Status Help
-----
1. Settings      Primary Option Menu MVS System: MVSCZ11
2. View          er parameters      No. of keys: 24
3. Edit          data or listings    Keys / line: SIX
4. ISPF Command Shell e source data       Primary set: SIX
5. Dialog Test... functions          Display set: PRI
6. Other IBM Products... guage processing    List name. : ISRSAB
7. SCLM          language processing List applid: ISR
8. Status Area... rkstation commands List type. : SHARED
9. Exit          Keylists. : PRIVATE

7 Dialog Test    Perform dialog testing
8 LM Facility    Library administrator functions
9 ITS MENU       ITS extended menu
0 ONDEMAND       ONDEMAND administration
S SDSF          System Display and Search Facility
10 SCLM          SW Configuration Library Manager

Enter X to Terminate using log/list defaults

F1=Help F2=Split F3=Exit F7=Backward F8=Forward F9=Swap
F10=Actions F12=Cancel
```

- f. Repeat the process and review the **Utilities**, **Compilers**, **Options**, **Status**, and **Help** menus and their sub-menu items.
- g. When done, click **F13** to log off the mainframe.

End Demonstration.