




HPI Hasso Plattner Institut
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Exercise 1: Introduction to z/OS

Server Operating Systems 2011




Our Mainframe

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- Run z/OS, z/VM, z/VSE or System z for Linux on a x64
 - Run up to approximately 20 MIPs on a laptop
- Devices:
 - System z CPs including zIIP and zAAP processors.
 - selected System z I/O devices
 - ◇ 3390s, 3270s, tape drives, OSA, etc
- HPI:
 - got two L03-tokens (for 3 CPs each)
 - currently runs on HP Blade
 - z/OS and RHEL instances running

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Connect to our Mainframe

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- Start your emulator and connect to 172.16.21.91 at port 23

```

z/OS Z111S Level 1003                               IP Address = 172.16.22.87
                                                       VTAM Terminal = SC0TCP06


Application Developer System

          // 0000000 SSSS
          // 00 00 SS
zzzzzz // 00 00 SS
        // 00 00 SSSS
zz      // 00 00  SS
        // 00 00  SS
zzzzzz // 0000000 SSSS

System Customization - ADCD.Z111S.*

==> Enter "LOGON" followed by the TSO userid. Example "LOGON IBMUSER" or
==> Enter L followed by the APPLID
==> Examples: "L TSO", "L CICS", "L IMS3270"
    
```

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Task 1: Login and Change your password

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1. Connect to our mainframe
2. Open the TSO login with "L TSO"
3. Fill out the form and submit with Ctrl (initial password = "test")
4. Change your password, as explained on screen

```

----- TSO/E LOGON -----
Enter LOGON parameters below:                RACF LOGON parameters:
Userid   ==> ADCDB
Password ==> _
Procedure ==> ISPFPRDC                      Group Ident ==>
Acct Nbr ==> RCCT#
Size    ==> 4048
Perform ==>
Command ==>

Enter an 'S' before each option desired below:
-Nomail      -Nonotice      -Reconnect    -DIDcard

PF1/PF13 ==> Help    PF3/PF15 ==> Logoff  PA1 ==> Attention  PA2 ==> Reshow
You may request specific help information by entering a '?' in any entry field
    
```

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Task 2: Create a data set in ISPF

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1. After logging in, press Ctrl to start ISPF
2. Use the menu options to allocate a new dataset with the following properties:
 - Name: <your username>.SOS2011.Task2
 - Volume: WORK01
 - Type: PDSE
 - Primary/Secondary Quantity: 1
 - Record Format: FB
 - Record Length: 80
 - Block Size: 32.000
3. Create a member in it, enter some text and save it

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Task 3: Logoff

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1. Repeatedly press F3 until you come to the green TSO prompt or

```

Specify Disposition of Log Data Set
Log Data Set (UK00004.SPFLOG1.LIST) Disposition:
Process Option . . . . . 2 1. Print data set and delete
                               2. Delete data set without printing
                               3. Keep data set - Same
                               4. Keep data set - New
                               (allocate same data set in next session)
                               (allocate new data set in next session)

Batch SYSOUT class . . . . .
Local printer ID or
writer-name . . . . .
Local SYSOUT class . . . . .

List Data Set Options not available


Press ENTER key to complete ISPF termination.
Enter END command to return to the primary option menu.

Job statement information: (Required for system printer)
====
Command ===>
F1=Help      F2=Split  F3=Exit   F7=Backward F8=Forward  F9=Swap
F12=Cancel
WR  a 10/025
  
```

Use option 2 in this screen

2. On the TSO prompt, type LOGOFF

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Tips: the Software

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In order to access our mainframe you'll need some extra software: a 3270 terminal emulator.

- If you're using **Windows**...
 - Go to <http://www.tombrennansoftware.com/download.html> and download Vista V1.27
- If you're using a **Mac**...
 - Go to <http://brown.edu/cis/tn3270/> and install the latest available version.
- If you're using **Linux**...
 - Install x3270 (available from <http://x3270.bgp.nu/>)

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Tips: Using the keyboard

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- Some rules on the differences between the keyboards
 - PF## are the F## keys on your keyboard
 - Right Ctrl = Return (submitting the current form)
 - Enter != Return (only used for navigation)
 - Scrolling:
 - ◇ Vertical: F7/F8, Page Up/Down
 - ◇ Horizontal: F10/F11
 - Do not use Esc, but F3 for exiting

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Tips: Using ISPF

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- When prompting for a data set name, the username is prepended to you input (use "" to disable that)
 - Which prompt is the exception to this rule?
- In the DSList utility, use "b" to browse contents or "e" to edit it (if it is a leave)