

z/VM Version 5 Release 3 Evaluation Edition

The z/VM Evaluation Edition is intended for use in proof-of-concept and other activities for evaluating the effectiveness and performance of z/VM. The License Information Document explains the terms and conditions of use.

Requirements:

- z/VM 5.3 Evaluation Edition DVD-RAM
- z10 LPAR with a minimum of 3GB of memory, Global Performance Data Control and Input/Output (I/O) Configuration Control security settings enabled and access to the HMC.
- Minimum of three DASD devices - 3390 model 3 for paging, spool and minidisk space for Linux
- An OSA triplet (three consecutive addresses) and an associated IP address for network connectivity

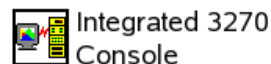
Overview

The z/VM Evaluation Edition is delivered on DVD-RAM. You can also download the materials from the following URL and copy them to a DVD-RAM: http://www.ibm.com/services/forms/preLogin.do?lang=en_US&source=zvmeval This DVD-RAM must be inserted into the DVD drive of a System z10 Hardware Management Console (HMC) and used to load a logical partition (LPAR). No external disks are required to start the Evaluation Edition or to perform simple functions. However, in order to run any significant guest virtual machine work, external disks will be required for z/VM paging and spooling, as well as for holding guest data.

The DVD-RAM contains a RAMdisk that holds data required to operate z/VM. A DVD-RAM is used to enable updates made to this RAMdisk to be saved using the **ramsav** command, so that they are available the next time the system is IPLed. Details on how to install, configure, and operate the z/VM Evaluation Edition can be found at the URL listed above.

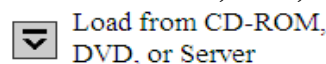
Installation steps:

1. Start an HMC session and select the **Recovery** task list on the right panel.
2. Place the DVD-RAM into the HMC DVD drive.
3. Select the z10 LPAR icon to be used from the **CPC Images Work Area** on the left panel.
4. Start an Integrated 3270 Console by double-clicking on the **Integrated 3270 Console** icon.

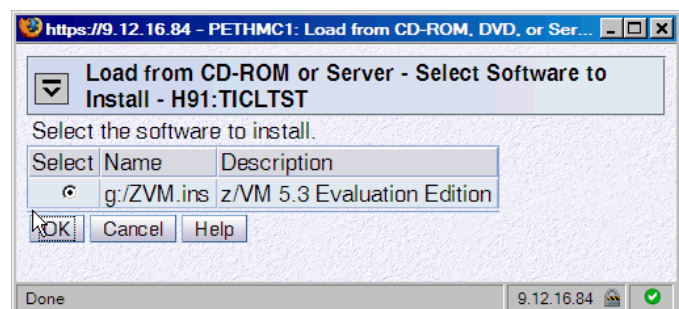
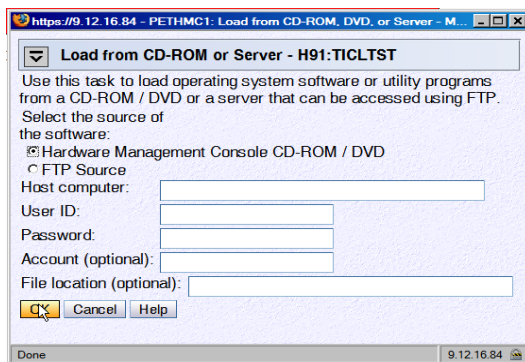


You should see a new 3270 console window appear.

5. With the z10 LPAR still selected, double-click **Load from CD-ROM, DVD, or Server** icon.



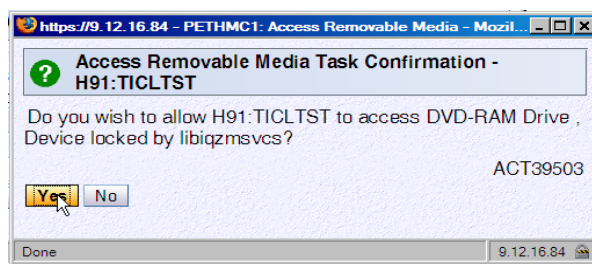
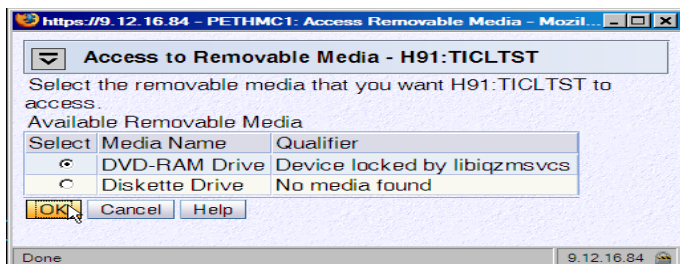
You should see several windows appearing as shown below. Accept the defaults by clicking the OK button.



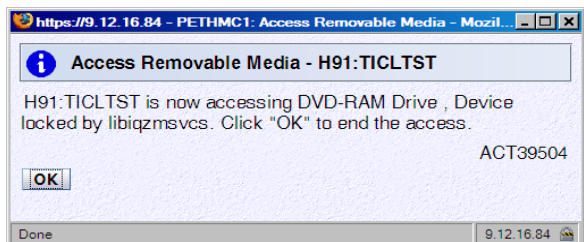
6. A confirmation window will appear that states “ **Load will cause jobs to cancel**” click **Yes** to continue.
7. Another window will come up showing the actual load. It will take about 10 seconds and redisplay the elapsed time of the load and the status. It should show “**Success**”. Click **OK**.
8. Double click on the **Access Removable Media** icon to allow access to the DVD-RAM code.



- Select the “DVD-RAM Drive” option and Click “OK”. A confirmation window will appear, accept the default by clicking “YES”.



- The next window that appears says: Click “OK” to end the access - **Do not click OK !!** or you will have to start from the beginning. This window must stay open for the command “**ramsave**” to work.



- Switch to the Integrated 3270 console window . It will take approximately 6 to 15 minutes before you will see any messages on the console. **Note:** Press the “ESC” key to clear the screen when either the MORE or HOLDING status messages are shown in the lower right hand corner of your Integrated 3270 console window.

When prompted to provide “start” parameters: Enter **force drain**

When prompted to “Change TOD clock”: Press **enter** to accept the default “no”

- When the message “z/VM V5.3.0 2008-05-22 15:06” appears, the z/VM Evaluation Edition has initialized and you can customize the system. To do this, type **customize** in the operator console and then “press Enter”. This script does basic configuration of the network, formats DASD and adds spool, page and minidisk space to the system. The following information needs to be provided to the script:

- DASD devices for paging, spool, and minidisks (Linux)
- Network information:
 - OSA Device address (this should be the first address of a triplet)
 - VLAN information if any
 - IP address, netmask, gateway, DNS server, hostname and domain name.

- Any customization done to the system will not survive an IPL unless you use the RAMSAVE command.** This command will write the changes back to the DVD-RAM. You must still have access to the removable media and the “Access Removable Media” window above must still be showing. **Note:** We recommend testing the network by using Telnet to connect to the assigned IP address and ensure that a VM logo appears **before using the ramsave command.**

Usage Notes

- The IPL from DVD-RAM takes approximately 6 to 15 minutes. The only external indication of a problem will be an entry in the HMC "Hardware Messages" log of a disabled wait of the logical partition. Refer to the detailed installation and configuration documentation.
- The “shutdown reipl” command doesn't work.
- The following types of DVD-RAM media were tested with the z/VM Evaluation Edition:
 - Panasonic DVD-RAM 2-3x Speed Single-sided 4.7GB/Non-cartridge
 - Maxell DVD-RAM 4.7GB Ver. 2 (REORDER #636070)
 While other DVD-RAM media might function correctly, they have not been tested by IBM.

Support

No formal support is provided for the z/VM Evaluation Edition. However, questions and problems may be submitted by e-mail to zvmdemo@us.ibm.com .