

Installation Procedure

Step 1. Plan for Installation

- Each product on the z/VM System DDR allows VMSYS filepool directories to be used in place of some minidisks. Select to load to All minidisks, All filepool, or some products to minidisk and others to filepool.
- Select Model (density) and determine the number of 3390 DASD needed.

Density	All to minidisk	All to filepool	Mixed
singles	8	6	6 - 9
doubles	4	3	3 - 5
triples	3	2	2 - 3

- Select your system default language. The choices are AMENG, UCENG, KANJI, or GERMAN.

Step 2. First-Level OR Second-Level Installation

Step 2a. First Level Installation Only

- Mount volume 1 of the z/VM System DDR on a tape drive.
- IPL the tape drive to load ICKDSF from the tape.
console
...
console
- Initialize, format, and label the DASD needed for install. Labels must be 440RES, 440W01, 440W02, ... 440W08. Issue these commands for each DASD. (Do not run INSTALL for Enterprise Storage Server (Shark) DASD.)
install unit(dasdaddr) novfy
cpvolume format unit(dasdaddr) novfy
void(440xxx) mode(esa) nofiller
- IPL the tape drive again to load the z/VM System DDR from the tape.
- Answer the prompts from the DDR program with the following:
sysprint cons
input tapeaddr tape (skip 1 rew
output dasdaddr dasd 440RES
restore all
- IPL the 440RES DASD.
- On the standalone program loader panel, move the cursor to the IPL parameters field and enter the following (spaces are not allowed around the equal sign):
cons=consaddr
- Go to "Step 3 First- AND Second-Level Installation."

Step 2b. Second-Level Installation Only

- Log on to a first-level user ID from your current operating system with privilege classes B through G.
- Attach the number of packs listed in the table in Step 1.
attach dasdaddr *
- Attach a tape drive at virtual device address 181.
attach tapeaddr * 181
- Mount volume 1 of the z/VM System DDR on the tape drive attached as 181.
- Load the installation tools from volume 1 of the z/VM System DDR to your 191 disk.
access 191 a
rew 181
vmfplc2 fsf 3
vmfplc2 load * * a
rew 181
- Select each product to load to minidisk (m) or filepool (f), the system default language, and the DASD model on which to install.
instplan
- Format and label your installation DASD and restore the IIS.
instiis
- If you are installing from a CD-ROM or 3590, skip this substep and go to substep 11. If you are installing from 3480 or 3490 tape, Volume 1 of the z/VM System DDR is complete. Unload the tape from the drive.
tape run
- Attach the tape drives needed to install. (Enter the following command for each tape drive you plan to use for installation.)
attach tapeaddr *
- Mount volumes 2-14 of the z/VM System DDR.
- Set up the system to IPL.
system clear
terminal conmode 3270
define storage 64m
set machine xa
- Query the console and record the virtual console address (consaddr)_____.
query console
- IPL the IIS you loaded to the 440RES system residence pack (dasdaddr).
ipl dasdaddr clear loadparm consaddr
- On the standalone program loader panel, move the cursor to the IPL parameters field and enter the following (spaces are not allowed around the equal sign):
cons=consaddr

Step 3. First- AND Second-Level Installation

- Press **PF10** to load. The IPL of your z/VM system continues. If you receive message HCPISU951I about volumes not mounted and you are not using those volume labels, ignore the message. If you receive message HCPIS9541I, you have duplicate volumes with the same label and must correct this error before continuing.

For first level installation:

- Re-label the packs that are not to be used
- Re-IPL (refer to substep 6 in Step 2a).

For second level installation:

- Detach the packs that are not to be used
- Re-IPL (refer to substep 13 in Step 2b).

- At the Start prompt, enter:
cold drain noautolog
- At the Change TOD clock prompt, enter:
no
- If you receive spool file prompt HCPWRS2511A, enter:
go

After you receive the message:

FILES: nnnnnnnn RDR, nnnnnnnn PRT, NO PUN

disconnect from the operator.

disconnect

Step 4. Load the System DDR

- Log on to the MAINT user ID. (The password is MAINT.) You may receive messages HCPLMN108E or DMSACP113S about disks not linked or attached. This is not a problem at this time.
logon maint
Enter
- If you are installing second-level, skip this substep and go to substep 3. If you are installing first-level, select each product to load to minidisk (m) or filepool (f), the system default language, and the DASD model on which to install.
instplan
- Attach the tape drives to MAINT. *vtapeaddr* must be within the following ranges: 180 to 187 or 288 to 28F. Repeat this step for each tape drive needed.
attach tapeaddr * vtapeaddr
- Mount volumes 2-14 of the z/VM System DDR tapes if they are not already mounted.
- Run the INSTVM exec to load the z/VM System DDRs. If you are installing from CD-ROM, enter:
instvm cd
If you are installing from 3590 tape, enter:
instvm 3590
Otherwise, enter:
instvm

On the LOAD DEVICE MENU panel, enter the tape drive addresses in the VADDR column.

Mount the z/VM System DDR tapes or CD-ROM on the corresponding tape drives.

Press **PF5** to load. You will receive messages for each minidisk that is loaded. Depending on the tape devices you are using, you may receive some tape device management messages.

Step 5. Load the Recommended Service Tape

If you received an RSU with your z/VM System DDR:

1. Attach tape drive.
attach tapeaddr * 181

2. Mount the RSU on your tape drive.

If the RSU has multiple volumes, either:

- Stack the RSU volumes on 181, **or**
- Attach the other tape drives.

3. Load the RSU.
ipl cms

If tapes are stacked on 181, enter
service

Otherwise, enter
service all tapeaddr1 tapeaddr2 . . .

4. Put the new service into production.
ipl cms
put2prod

Step 6. Complete the Post-Installation Tasks

1. Shutdown and re-IPL your system.

```
shutdown reipl
Enter
logon maint
```

2. Backup your system to tape.

Note: If you want to use the System Administration Facility tools to create and manage Linux images on your z/VM system, you must initialize the System Administration Facility environment before making any modifications to your z/VM installation. Refer to *z/VM: System Administration Facility* for more information.

Note: If you want to define one IP configuration at this time, refer to "Configure TCP/IP for an Initial Network configuration" in chapter 4 of *z/VM: Guide for Automated Installation and Service*.

Your installation is complete!

Refer to *z/VM: Guide for Automated Installation and Service* if you want information about the following:

- Backing up NSS and segments
- Storing a backup copy on tape
- System defaults
- Preinstalled licensed products and features
- Other z/VM features

Service Procedure

1. Make sure you have a current backup of your system.
2. Log on to the MAINT user ID.

```
logon maint
Enter
```

3. *Tape:* Attach the tape drive as 181 and mount the RSU or COR tape.

```
attach tapeaddr * 181
```

If the RSU or COR tape has multiple volumes, either:

- Stack the volumes on 181, **or**
- Attach the other tape drives and mount each volume.

Electronic or CD-ROM: Follow instructions included with your order to retrieve (keep the file FIXED BINARY 1024), then use DETERSE.

```
access 5e5 b
deterse envfn envft envtm = servlink =
```

4. Load the service.

```
ipl cms
service
-or-
service all tapeaddr1 tapeaddr2 . . .
-or-
service all envfn1 envfn2 . . .
```

5. Perform any testing you find necessary before putting the new service into production.
6. Put the new service into production.

```
ipl cms
put2prod
```

7. Shutdown and re-IPL your system.

```
shutdown reipl
Enter
```

z/VM Summary for Automated Installation and Service

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