Getting Started with
IBM Archive Manager for z/VM

VMSES/E Installation, SFS Setup, and Initial Configuration
on z/VM V6.2

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Agenda

- **Assumptions**

- **Preparing to install**

- **Installing using VMSES/E**

- **Configuring**

- **Verifying installation and configuration**

Assumptions

- **Installing on z/VM V6.2**
  - Standalone system, no SSI cluster
  - See separate presentation for z/VM V5.4 or V6.1
- **DIRMAINT is installed for directory management**
  - MAINT620 is authorized to issue AMDISK commands
  - AUTOG is available for group USER for minidisk definitions
- **Shared File System is available – use the same SFS server as you created for Backup and Restore Manager for z/VM (BKRSVSFS)**
  - **You may need to add more space**
- **Installation ID is 5697J05A**
  - No PPF overrides
- **3390 DASD**
- **REXX Library (5695-014) is installed and available**
  - Alternatively use free download of REXX Alternate Library at:
    http://www.ibm.com/software/awdtools/rexx/rexxzseries/altlibrary.html
  - Strongly suggest installing this on MAINT620 19E to simplify access to it
- **Installing on minidisk (not SFS)**
- **Operations Manager is running on user ID OPMGRM1**
- **If you plan to archive to tape**
  - Tape Manager is installed and running, or
  - Tapes are mounted manually via messages to the OPERATOR console
- **This is not the only way to perform the install**
  - Not all options are discussed
  - See product documentation for full details

Don't Forget

- **If you are also installing Operations Manager, install it first**

- **If you are also installing Backup and Restore Manager, install it first**

- **REXX must already be installed and available**
  - REXX Library (5695-014), **or**
  - REXX Alternate Library, free download at: http://www.ibm.com/software/awdtools/rexx/rexxzseries/altlibrary.html
  - Strongly suggest installing this on MAINT620 19E to simplify access to it
    - If on MAINT620 19E, make sure all files have filemode number of 2 (not the default of 1)
      - Required for loading into the CMS saved segment

Preparing to Install

Create installation ID
Update SFS server (created for Backup Manager)
Prepare system for VMSES/E installation
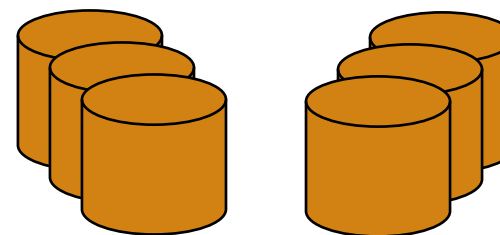
Define the Installation ID: 5697J05A

- **From MAINT620**
  - Create a file called 5697J05A DIRECT

```
USER 5697J05A password 64M 256M BG
* 5697-J05 - SES install & admin for Archive Mgr V1.1
MACHINE ESA
IPL CMS
OPTION LNKNOPAS
CONSOLE 01F 3215
SPOOL 00C 2540 READER A
SPOOL 00D 2540 PUNCH A
SPOOL 00E 1403 A
LINK MAINT 190 190 RR
LINK MAINT 19D 19D R
LINK MAINT 19E 19E RR
LINK MAINT 51D 51D MR
LINK MAINT 5E5 5E5 RR
```

  - Issue the command
    ```
    DIRM ADD 5697J05A
    ```

Define the Installation ID: 5697J05A

- **Add required minidisks**
  - From MAINT620, issue

```
DIRM FOR 5697J05A AMD 191 3390 AUTOG 10 USER MR PW <readpw> <writepw> <multpw>
DIRM FOR 5697J05A AMD 198 3390 AUTOG 2 USER MR PW <readpw> <writepw> <multpw>
DIRM FOR 5697J05A AMD 2A2 3390 AUTOG 1 USER MR PW <readpw> <writepw> <multpw>
DIRM FOR 5697J05A AMD 2A6 3390 AUTOG 1 USER MR PW <readpw> <writepw> <multpw>
DIRM FOR 5697J05A AMD 2B2 3390 AUTOG 5 USER MR PW <readpw> <writepw> <multpw>
DIRM FOR 5697J05A AMD 2C2 3390 AUTOG 2 USER MR PW <readpw> <writepw> <multpw>
DIRM FOR 5697J05A AMD 2D2 3390 AUTOG 10 USER MR PW <readpw> <writepw> <multpw>
DIRM FOR 5697J05A AMD 491 3390 AUTOG 5 USER MR PW <readpw> <writepw> <multpw>
DIRM FOR 5697J05A AMD 492 3390 AUTOG 5 USER MR PW <readpw> <writepw> <multpw>
DIRM FOR 5697J05A AMD 49D 3390 AUTOG 5 USER MR PW <readpw> <writepw> <multpw>
DIRM FOR 5697J05A AMD 591 3390 AUTOG 5 USER MR PW <readpw> <writepw> <multpw>
DIRM FOR 5697J05A AMD 592 3390 AUTOG 5 USER MR PW <readpw> <writepw> <multpw>
```

Resulting Minidisk Statements in Directory Entry for 5697J05A

```
MDISK 0191 3390 <start> 010 <vol> MR <readpw> <writepw> <multpw>
MDISK 0198 3390 <start> 002 <vol> MR <readpw> <writepw> <multpw>
MDISK 02A2 3390 <start> 001 <vol> MR <readpw> <writepw> <multpw>
MDISK 02A6 3390 <start> 001 <vol> MR <readpw> <writepw> <multpw>
MDISK 02B2 3390 <start> 005 <vol> MR <readpw> <writepw> <multpw>
MDISK 02C2 3390 <start> 002 <vol> MR <readpw> <writepw> <multpw>
MDISK 02D2 3390 <start> 010 <vol> MR <readpw> <writepw> <multpw>
MDISK 0491 3390 <start> 005 <vol> MR <readpw> <writepw> <multpw>
MDISK 0492 3390 <start> 005 <vol> MR <readpw> <writepw> <multpw>
MDISK 049D 3390 <start> 005 <vol> MR <readpw> <writepw> <multpw>
MDISK 0591 3390 <start> 005 <vol> MR <readpw> <writepw> <multpw>
MDISK 0592 3390 <start> 005 <vol> MR <readpw> <writepw> <multpw>
```

Format All Minidisks

- **From MAINT620, issue**

  ```
  link 5697J05A 191 333 MR

  format 333 z

  release z (det
  ```

- **Repeat for each 5697J05A disk**

Update SFS Server

- **From a user ID with administrator authority to the SFS server used by Backup Manager (BKRSVSFS)**
  - Grant Archive Manager administrator admin authority

```
enroll administrator amvadmin bkrsfs: (type
enroll administrator 5697J05A bkrsfs: (type
enroll administrator amvarkiv bkrsfs: (type
enroll administrator amvwrk01 bkrsfs: (type
enroll administrator amvwrk02 bkrsfs: (type
enroll administrator amvwrk03 bkrsfs: (type
enroll administrator amvwrk04 bkrsfs: (type
```

Update SFS Server

- **From a user ID with administrator authority to the SFS server used by Backup Manager (BKRSVSFS)**
  - Authorize service machines to space in SFS

```
enroll user amvadmin bkrsfs (blocks 4000 storgroup 2
enroll user amvarkiv bkrsfs (blocks 50000 storgroup 2
enroll user amvwrk01 bkrsfs (blocks 20000 storgroup 2
enroll user amvwrk02 bkrsfs (blocks 20000 storgroup 2
enroll user amvwrk03 bkrsfs (blocks 20000 storgroup 2
enroll user amvwrk04 bkrsfs (blocks 20000 storgroup 2
```

  - Create required SFS directory entries

```
create directory bkrsfs:amvadmin.workarea
create directory bkrsfs:amvarkiv.workarea
create directory bkrsfs:amvarkiv.stagingarea
create directory bkrsfs:amvarkiv.userarea
create directory bkrsfs:amvarkiv.adminarea
create directory bkrsfs:amvwrk01.workarea
create directory bkrsfs:amvwrk02.workarea
create directory bkrsfs:amvwrk03.workarea
create directory bkrsfs:amvwrk04.workarea
```

Prepare for VMSES/E Installation

- **From MAINT620**
  - Mount installation tape at virtual address 181
    Or
  - Have SERVLINK envelope available on the MAINT620 500 disk
    ```
    acc 500 c
    ```
    - Unpack the VMARC file
      ```
      vmarc unpk <envfilename> vmarc c = = c
      ```
      Or
    - Unpack the SERVLINK file
      ```
      deterse <envfilename> servlink f 5697J06B = f
      ```

  - Access VMSES/E disks
    ```
    access 5e5 b
    access 51d d
    ```
  - Load product control files
    ```
    vmfins install info (nomemo
    ```
    or
    ```
    vmfins install info (nomemo env <envfilename>
    ```
  - Obtain planning info
    ```
    vmfins install ppf 5697J05A ARCHMGR (plan nomemo
    ```
    or
    ```
    vmfins install ppf 5697J05A ARCHMGR (plan nomemo env <envfilename>
    ```
  - Review for errors
    ```
    vmfview install
    ```

Create Directory Entries for All Required Users

- **Use directory entry samples in 5697J05A PLANINFO**
  - Located on MAINT620 191 disk – see modifications below due to z/VM V6.2

- **Follow steps outlined earlier for creating 5697J05A user ID to create directory entries for**
  - AMVADMIN
  - AMVARKIV
  - AMVCATLG
    - Not required – this is used as the filespace name for the archive catalog in SFS. An actual user ID is not required and not recommended if installing an an SSI cluster
  - AMVWRK01 – AMVWRK04
    - Only need these if you will archive to tape (in addition to or instead of disk)
    - If only archiving to disk, all requests handled by AMVARKIV

- **See next page for specific updates required to each user ID**

- **If using DIRMAINT, do not issue DIRM ADD commands until instructed later**

Create Directory Entries for All Required Users

- **For AMVADMIN**

  – Change password

  – Remove MDISK statement

  – Use rest of the sample as is

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Create Directory Entries for All Required Users

- **For all AMVARKIV and AMVWRKnn users, modify the samples**

  - Change USER AMVxxxxxx to IDENTITY AMVxxxxx

  - Change password

  - Remove all MDISK statements

  - Add T OPMGRM1 to the end of the CONSOLE statement

    - This allows Operations Manager to monitor their consoles

  - Add `LINK MAINT 193 993 RR`

    - Provides access to ACCESSM0 MODULE, so it can archive files with filemode number 0

    - Not required for AMVCATLG (if you create that user ID)

Create Subconfig Entries for All Required Users

- **For AMVARKIV and AMVWRKnn, create SUBCONFIG entries**
  - Create the following files
    - AMVARK-1 DIRECT, which contains the following statement
      ```
      SUBCONFIG AMVARK-1
      ```
    - AMVW01-1 DIRECT, which contains the following statement
      ```
      SUBCONFIG AMVW01-1
      ```
    - AMVW02-1 DIRECT, which contains the following statement
      ```
      SUBCONFIG AMVW02-1
      ```
    - AMVW03-1 DIRECT, which contains the following statement
      ```
      SUBCONFIG AMVW03-1
      ```
    - AMVW04-1 DIRECT, which contains the following statement
      ```
      SUBCONFIG AMVW04-1
      ```

Summary: Create Other Archive Mgr User IDs and Minidisks

- **From MAINT620**

  - Create directory entries

    ```
    DIRM ADD AMVADMIN
    DIRM ADD AMVARKIV
    DIRM ADD AMVWRK01
    DIRM ADD AMVWRK02
    DIRM ADD AMVWRK03
    DIRM ADD AMVWRK04
    DIRM ADD AMVARK-1 BUILD ON * IN AMVARKIV
    DIRM ADD AMVW01-1 BUILD ON * IN AMVWRK01
    DIRM ADD AMVW02-1 BUILD ON * IN AMVWRK02
    DIRM ADD AMVW03-1 BUILD ON * IN AMVWRK03
    DIRM ADD AMVW04-1 BUILD ON * IN AMVWRK04
    ```

  - Add minidisks for these user IDs. For example:

    ```
    DIRM FOR <userid> AMD <vaddr> 3390 AUTOG <size> USER MR PW <readpw> <writepw> <multpw>
    ```

    - For IDENTITY users, be sure to specify the subconfig IDs rather than the user IDs
      - I.e. specify AMVARK-1, AMVW01-1, AMVW02-1, AMVW03-1, AMVW04-1
    - See topic 5.3 of the Program Directory for minidisk sizes

Format All Minidisks

- **From MAINT620, issue**

```
link AMVADMIN 191 333 MR

format 333 z

release z (det
```

- **Repeat for AMVARKIV and AMVWRKnn minidisks**

Installing using VMSES/E

Initial VMSES/E Install

- **From 5697J05A**
  - Create and run a PROFILE EXEC

    ```
    xedit profile exec a
    ```

    - Add the following lines
      ```
      /**/
      'ACCESS 5E5 B'
      'ACCESS 51D D'
      'CP SET PF11 RETRIEVE FORWARD'
      'CP SET PF12 RETRIEVE'
      ```
    - Save and run
      ```
      file
      profile
      ```

  - Installing from tape
    - Mount product tape at virtual address 181
    - Load the product code to disk and install
      ```
      vmfins install ppf 5697J05A ARCHMGR (nomemo nolink
      ```

  - Installing from an envelope
    - Access the product code
      ```
      link maint620 500 500 rr
      acc 500 c
      ```
    - Load the product code to disk and install
      ```
      vmfins install ppf 5697J05A ARCHMGR (nomemo nolink env <envfilename>
      ```

Initial VMSES/E Install (continued)

– **Review for errors**

```
vmfview install
```

– **Update Build Status Table**

```
vmfins build ppf 5697J05A ARCHMGR (serviced nolink
```

– **Review for errors**

```
vmfview install
```

Initial VMSES/E Install (continued)

- – Copy code from installation/test disk to production disk

```
acc 491 e

acc 591 f

vmfcopy * * e = = f (prodid 5697J05A%ARCHMGR olddate replace

acc 492 e

acc 592 f

vmfcopy * * e = = f (prodid 5697J05A%ARCHMGR olddate replace
```

Initial VMSES/E Install (continued)

– Copy user code from installation disk to Y disk (MAINT 19E) – <u>strongly suggested</u> to simplify access to code

   • Logon to MAINT620

```
link 5697j05a 492 492 rr
acc 492 e
link maint620 19e 19e mr
acc 19e f
vmfcopy * * e = = f2 (prodid 5697J05A%ARCHMGR olddate replace
```

Must copy to "f2", not just "f", so that data will be loaded in CMS saved system. Same for helps below.

– Copy help files from installation disk to system HELP disk (MAINT 19D)

```
link 5697j05a 49d 949d rr
acc 949d e
link maint620 19d 19d mr
acc 19d f
vmfcopy * helpaamv e = = f2 (prodid 5697J05A%ARCHMGR olddate replace
vmfcopy aamv helpmenu e = = f2 (prodid 5697J05A%ARCHMGR olddate replace
```

Where Code is Installed for Configuration and Testing

Disk on 5697J05A	Description
2C2	**Sample files**
491, 591	**Service machine executables for** –AMVARKIV, AMVWRKnn
492, 592, MAINT 19E	**End user and administrator executables**
198	**Configuration files**
49D, MAINT 19D	**Help files**

VMSES/E Installation is Complete

- **All code is installed from tape or envelope**

- **Standard install commands used by most z/VM products**

- **This was the easy part**

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Install All Available Service

Install All Available PTFs (COR Service)

- **Order/obtain all PTFs available for Archive Manager V1.1**
- **Place them on MAINT620 500 disk**
- **From MAINT620**

```
ACC 500 C
```

- If each PTF is in tersed format (from IBMLINK), issue:

```
DETERSE <fn> <ft> C <fn> SERVLINK C
```

- If each PTF is in VMARC format, issue:

```
VMARC UNPK <fn> <ft> C <fn> SERVLINK C
```

- **Follow instructions in Chapter 7 of the Program Directory to install each PTF**
  - In 7.2, suggest following steps in Appendix B for installation of all initial service, in case of errors
    - SERVICE EXEC can be used in future when installing just 1 PTF
  - **Do not** reload CMS saved system or help segments. We'll do this later.

Configuring

Verify System Access Privileges for Archive Servers

User ID	Privileges Required and *Recommended*
AMVARKIV	➢ **OPTION LNKNOPAS** (or equivalent, such as **RACF OPERATIONS**) ➢ **Privilege Class G** ➢ *Privilege Class B (for CP MSGNOH)*
AMVARKIV	➢ **OPTION LNKNOPAS** (or equivalent, such as **RACF OPERATIONS**) ➢ **Privilege Class G** ➢ **Privilege Class A** (for CP FORCE) ➢ **Privilege Class B** (CP MSGNOH) ➢ **Privilege Class D** (CP PURGE)
AMVWKRnn	➢ **OPTION LNKNOPAS** (or equivalent, such as **RACF OPERATIONS**) ➢ **Privilege Class G** ➢ **Privilege Class B** (CP MSGNOH)

Create PROFILE EXECs for New User IDs

- **PROFILE EXEC for AMVADMIN**

  - From 5697J05A

    ```
    link amvadmin 191 291 mr
    acc 291 z
    xedit profile exec z
    ```

  - Add the following to the PROFILE EXEC
    ```
    /**/
    'CP SET PF11 RETRIEVE FORWARD'
    'CP SET PF12 RETRIEVE'
    'ACC 198 B'
    ```

  - Save and exit

    ```
    file
    rel z (det
    ```

Create PROFILE EXECs for New User IDs

- **PROFILE EXEC for AMVARKIV**

  - From 5697J05A

```
link amvarkiv 191 292 mr
acc 292 z
acc 2c2 e
copy arkprof sampexec e profile exec z
xedit profile exec z
```

  - Take out /* and */ before and after section for MINIDISK-based installations
    - This activates these statements:
      ```
      Config_Files = '198'
      SVM_RunTime  = '591'
      ```
  - Take out /* and */ before and after section for work area in SFS
    - Change
      ```
      Work_Area = 'VMSYS:'USERID()'.WORKAREA'
      ```
      to
      ```
      Work_Area = 'BKRSFS:'USERID()'.WORKAREA'
      ```
  - Delete the following line (we put it in the directory entry instead)
    ```
    'CP LINK MAINT 193 993 RR'
    ```

```
file
rel z (det
```

Create PROFILE EXECs for New User IDs

- **PROFILE EXEC for each AMVWRKnn**

  – From 5697J05A

  ```
  link amvwrk01 191 292 mr
  acc 292 z
  acc 2c2 e
  copy wrkprof sampexec e profile exec z
  xedit profile exec z
  ```

  - Take out /* and */ before and after section for MINIDISK-based installations
    – This activates these statements:
    ```
    Config_Files = '198'
    SVM_RunTime  = '591'
    ```
  - Take out /* and */ before and after section for work area in SFS
    – Change
    ```
    Work_Area = 'VMSYS:'USERID()'.WORKAREA'
    ```
    to
    ```
    Work_Area = 'BKRSFS:'USERID()'.WORKAREA'
    ```
  - Delete the following line (we put it in the directory entry instead)
    ```
    'CP LINK MAINT 193 993 RR'
    ```

  ```
  file
  rel z (det
  ```

Define Special Users to Archive Manager

- **From 5697J05A**

  `access 198 z`

  `access 2c2 e`

  `copy amvusers namesamp e = names z`

  `xedit amvusers names z`

  – Authorize additional users as Administrators:
    - Others as required by your site
      – MAINT, MAINT620
      – Operations Manager servers (OPMGRM1, OPMGRS1 through OPMGRS4) if you plan to have Operations Manager submitting backup jobs as part of automation
    - If you are archiving to tape
      – Add workers AMVWRK02 AMVWRK03 AMVWRK04
    - If you are not archiving to tape
      – Remove AMVWRK01. Make sure you don't delete the tags, just delete the AMVWRK01 text
  – File to save changes and exit

- **Copy AMVUSERS NAMES to a shared disk for user and server access**
    - E.g. from MAINT620, copy to MAINT 19E (Y disk); or from 5697J05A, copy to 5697J05A 592
      – Note: If you copy to MAINT 19E, copy as filemode number 2.

        <u>Do not</u> reload the CMS saved system. (We'll be putting other things on MAINT 19E so we'll reload CMS saved system later.)

Update the Configuration File: AMVSYSTM CONFIG …

- **From 5697J05A**

```
access 198 z

access 2c2 e

copy amvsystm confsamp e = config z

xedit amvsystm config z
```

… Update the Configuration File: AMVSYSTM CONFIG

- **Choose local options for**

```
Local_SVM_Contact = System Administrator - sysadmin@some.corp.com
```

  - Contact name displayed on service machines
  - Not used for automated e-mails or messages

```
Archive_Minidisk_Via = DEFMDISK
```

  - Change this value to LINK

```
CatalogPool   = AMVPOOL
```

  - Change this value to BKRSFS

- **If you are not using Tape Manager to manage tapes and tape mounts**

  - File and exit

… Update the Configuration File: AMVSYSTM CONFIG

- **If you are using Tape Manager to manage tapes and tape mounts:**

```
Tape_Handled_Via_EUM = No
```

– Change this value to Yes

– File and exit

– From a user ID authorized as a Tape Manager administrator

  • Create a Tape Manager tape pool for Archive Manager
    TAPCMD POOLDEF AMVADMIN AMVPOOL MEDIA *media* RETNMAX *days* FREEPOOL SYS
    – Where *media* matches a media type from the `Define_Media` statement in the Tape Manager configuration file
    – Where *days* indicates the maximum number of days in the retention period
  • Give AMVARKIV access to the tape pool
    TAPCMD POOLACC AMVADMIN AMVPOOL USER AMVARKIV TAPE

Make the Configuration File Available

■ Copy AMVSYSTM CONFIG to a shared disk

- From MAINT620, copy from 5697J05A 198 to MAINT 19E (Y disk)

or

- From 5697J05A, copy to 5697J05A 592

- Note: If you copy to MAINT 19E, copy as filemode number 2.
  <u>Do not</u> reload the CMS saved system. (We'll be putting other things on MAINT 19E so we'll reload CMS saved system later.)

Reload CMS Saved System if Needed

- **If you added code to MAINT 19E disk (during installation, service, and/or configuration)**
  - Verify the filemode number is 2 for each file
    - Already done for any Archive Manager code copied during installation and service
    - Need to verify this for any configuration files you put on 19E
  - Rebuild CMS saved system
    - From MAINT620

      ```
      put2prod savecms
      ```
  - If you added help files to MAINT 19D disk (during installation and/or service)
  - Rebuild CMS HELP logical saved segment (from files on 19D)
    - From MAINT620

      ```
      put2prod segments helpseg
      ```

Update the Configuration File: AMVSRVR CONFIG ...

- **From 5697J05A**

```
access 198 z

access 2c2 e

copy amvsrvr confsamp e = config z

copy allusers grouplst e = = z

copy allusers roster e = = z

xedit amvsrvr config z
```

… Update the Configuration File: AMVSRVR CONFIG

- **Choose local options for**

```
* Staging_Area = VMSYS:AMVARKIV.STAGINGAREA
```

- Uncomment this line by removing the *
- Change VMSYS: to BKRSFS:

```
* BETA
* GAMMA
```

- Replace the above lines with a line called ADMINS (a group of administrators we'll define later)

```
Define_Class TAPE1 TAPE SIMPLEX 1 365 365 SCRATCH ALLUSERS SCRATCH Y Y Y Y Y N N
```

- Define the default storage class that archives files to tape and is available for all users
  - Change the following
    - > Change the name of this storage class from TAPE1 to DEFAULT
    - > Change Y Y Y Y Y N N to Y Y N N Y N N

… Update the Configuration File: AMVSRVR CONFIG

```
Define_Class DEFAULT EDF SIMPLEX 1 365 365 E00 ALLUSERS - Y Y Y Y N N N
```

- **Define a storage class that archives files to disk and is only available to administrators**

  - Change the following
    - Change the name from DEFAULT to ADMDISK
    - Change E00 to BKRSFS:AMVARKIV.ADMINAREA
    - Change ALLUSERS to ADMINS
    - Change Y Y Y Y N N N to Y Y N N Y N N

- **Define a storage class that archives files to disk and is available to all users**

  - Duplicate the new ADMDISK entry

  - Change the name from ADMDISK to USERDISK

  - Change BKRSFS:AMVARKIV.ADMINAREA to BKRSFS:AMVARKIV.USERAREA

  - Change ADMINS to ALLUSERS

  - Change Y Y Y Y N N N to N Y N N N N N

… Update the Configuration File: AMVSRVR CONFIG

- **Delete the following entries**
  - Define_Class CUSTOM
  - Define_Class TAPE2
  - Define_Class SFSSIMPL
  - Define_Class SFSDUPL
- **Save and exit**

Create Groups and Rosters

- **From 5697J05A, create the ADMINS group**

  ```
  access 198 z
  xedit admins grouplst z
  ```

- **Add the following record to the file (each record points to a roster file)**

  ```
  ADMINS
  ```

- **Save and exit**

- **Create the ADMINS roster**

  ```
  xedit admins roster z
  ```

- **Add the following records to the file**

  ```
  MAINT
  MAINT620
  AMVADMIN
  <others>
  ```

  Any additional users that you want to be able to archive files to the ADMDISK storage class

- **Save and exit**

Configuration is Complete

- **Now let's see if it actually works!**

Verifying

Start Archive Manager Service Machine

- **Assume SFS server (BKRSVSFS) is already running**

- **Start required Archive Manager server**
  - If Operations Manager is installed
    - From MAINT620, issue
      ```
      cp xautolog amvarkiv
      ```
    - Verify server is up and running
      - From any authorized user in Operations Manager
        ```
        gomcmd opmgrm1 viewcon user(amvarkiv)
        ```
  - If Operations Manager is not installed
    - Logon to AMVARKIV and watch the console for successful startup or errors
  - Correct errors and restart AMVARKIV until it starts successfully
  - Repeat for each AMVWRKnn user ID
    - Start these to verify startup works. In daily operations, AMVARKIV will start workers as needed

Define Default Quota and Issue Archive Request

- **Define a system-wide default quota per user to 20 cyls (3600 4K-blocks)**
  - From AMVADMIN, issue

    ```
    smsg amvarkiv set quota default 3600
    ```

- **Issue an archive request using the ADMDISK storage class**
  - From AMVADMIN, issue

    ```
    archive profile exec a (class admdisk
    ```

- **Issue an archive request using the USERDISK storage class**
  - From any user ID, issue

    ```
    archive profile exec a (class userdisk
    ```

- **Issue an archive request using the DEFAULT storage class**
  - Make sure Tape Manager for z/VM is up and running
  - From any user ID, issue

    ```
    archive profile exec a
    ```

Archive Manager is Up and Running

- **Major task is SFS setup**
  - Especially if you aren't familiar with SFS
  - Easier if you already have an SFS server for Backup and Restore Manager
- **VMSES/E install is straightforward**
- **Configuration is quick for initial testing**
  - Use the defaults for most things
  - Give all options some thought before production use
- **Use your in-house procedures to move it to production**

References and More Information

- **Archive Manager for z/VM Web site**
  - http://www.ibm.com/software/stormgmt/zvm/archive
    - Publications
    - Pre-requisites
    - Announcements
    - Support
- **e-mail: Tracy Dean, tld1@us.ibm.com**
- **Publications**
  - CMS File Pool Planning, Administration, and Operation (SC24-6074)
  - Directory Maintenance Facility Commands Reference (SC24-6133)
  - Archive Manager for z/VM Program Directory (GI10-8661)
  - Archive Manager for z/VM Administration Guide (SC18-9345)
  - Archive Manager for z/VM User Guide (SC18-9348)