Program Directory for

IBM Tivoli zSecure Manager for RACF z/VM

version 1 Release 11.0

Program Number 5655-T13

for Use with
z/VM Version 5 Release 3
z/VM Version 5 Release 4
z/VM Version 6 Release 1

Document Date: June 2010

GI11-7865-01

Note

Before using this information and the product it supports, be sure to read the general information under “Notices” on page 37.

This program directory, dated June 2010, applies to IBM Tivoli zSecure Manager for RACF z/VM version 1 Release 11.0 (IBM Tivoli zSecure Manager for RACF z/VM), Program Number 5655-T13.

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Contents

Figures

1.0 Introduction

This program directory is intended for the system programmer responsible for program installation and maintenance. It contains information concerning the material and procedures associated with the installation of IBM® Tivoli zSecure Manager for RACF® z/VM®. You should read all of this program directory before installing the program and then keep it for future reference.

The program directory contains the following sections:

- 2.0, “Program Materials” on page 3 identifies the basic and optional program materials and documentation for IBM Tivoli zSecure Manager for RACF z/VM.
- 3.0, “Program Support” on page 7 describes the IBM support available for IBM Tivoli zSecure Manager for RACF z/VM.
- 4.0, “Program and Service Level Information” on page 8 lists the APARs (program level) and PTFs (service level) incorporated into IBM Tivoli zSecure Manager for RACF z/VM.
- 5.0, “Installation Requirements and Considerations” on page 9 identifies the resources and considerations for installing and using IBM Tivoli zSecure Manager for RACF z/VM.
- 6.0, “Installation Instructions” on page 12 provides detailed installation instructions for IBM Tivoli zSecure Manager for RACF z/VM.
- 7.0, “Service Instructions” on page 26 provides detailed servicing instructions for IBM Tivoli zSecure Manager for RACF z/VM.
- Appendix A, “Create Product Parameter File (PPF) Override” on page 35 provides detailed information on overriding the Product Parameter File (PPF).

Before installing IBM Tivoli zSecure Manager for RACF z/VM, read 3.1, “Preventive Service Planning” on page 7. This section tells you how to find any updates to the information and procedures in this program directory.

1.1 Program Description

IBM Tivoli zSecure Manager for RACF z/VM provides administrators with tools to help unleash the potential of their mainframe system enabling efficient and effective RACF administration, while helping use fewer resources. By automating many recurring system administration functions, IBM Tivoli zSecure Manager for RACF z/VM can help you maximize IT resources, reduce errors, improve quality of services and demonstrate compliance.

IBM Tivoli zSecure Manager for RACF z/VM is also an audit tool, designed to help IBM Resource Access Control Facility (RACF) users efficiently measure and verify the effectiveness of their z/VM security and security policies. By viewing automatically generated reports in a standard format, you can quickly locate problems with attributes around a particular resource. As a result, you can reduce errors and improve overall quality of services. Designed to help RACF, users perform tasks more efficiently, IBM Tivoli

zSecure Manager for RACF z/VM also helps expert users extend and enrich security by enforcing and enhancing security policies.

2.0 Program Materials

An IBM program is identified by a program number. The program number for IBM Tivoli zSecure Manager for RACF z/VM version 1 is 5655-T13.

The program announcement material describes the features supported by IBM Tivoli zSecure Manager for RACF z/VM. Ask your IBM marketing representative for this information if you have not already received a copy.

The following sections identify:

- basic and optional program materials available with this program
- publications useful during installation.

2.1 Basic Machine-Readable Material

This program is available through the IBM z/VM SDO on 3590 or 3592 tape cartridge. You can also receive this program electronically by ordering it through the z/VM SDO using IBM ShopzSeries. For more information about IBM ShopzSeries go to www.ibm.com/software/ShopzSeries. The tape cartridge or electronic envelope contains all the programs and data needed for installation. See section 6.0, “Installation Instructions” on page 12 for more information about how to install the program. Figure 1 describes the tape or cartridge. Figure 2 describes the file content of the program tape or envelop.

Figure 1. Basic Material: Program Tape

Feature Number	Medium	Physical Volume	Tape Content	External Tape Label
5802	3590 or 3592 cart.	1	IBM Tivoli zSecure Manager for RACF z/VM 1.11.0	zSecure MGR z/VM

Figure 2 (Page 1 of 2). Program Tape: File Content

Tape File	Content
1	Tape Header
2	Tape Header
3	IBM Tivoli zSecure Manager for RACF z/VM Header
4	IBM Tivoli zSecure Manager for RACF z/VM Memo
5	IBM Tivoli zSecure Manager for RACF z/VM Apply and Exclude lists
6	IBM Tivoli zSecure Manager for RACF z/VM Partlists
7	IBM Tivoli zSecure Manager for RACF z/VM Delta files

Figure 2 (Page 2 of 2). Program Tape: File Content

Tape File	Content
8	IBM Tivoli zSecure Manager for RACF z/VM Apply files
9	IBM Tivoli zSecure Manager for RACF z/VM Base Code
10	IBM Tivoli zSecure Manager for RACF z/VM Executables

2.2 Optional Machine-Readable Material

There are no optional machine-readable materials for IBM Tivoli zSecure Manager for RACF z/VM.

2.3 Program Publications

The following sections identify the basic and optional publications for IBM Tivoli zSecure Manager for RACF z/VM.

2.3.1 Basic Program Publications

One copy of the following publication is included when you order the basic materials for IBM Tivoli zSecure Manager for RACF z/VM. You can print additional copies when electronic publications are available using the softcopy url provided in the Product Announcement letter or from: http://www.ibm.com/shop/publications/order

Figure 3. Basic Material: Unlicensed Publications

Publication Title	Form Number
IBM Tivoli zSecure Manager for RACF z/VM: Program Directory	GI11-7865-01
IBM Tivoli zSecure Manager for RACF z/VM License Information	GC23-7984-01
IBM International Program License Agreement (IPLA)	Z125-3301-13
IBM International Agreement for Acquisition of Software Maintenance (IASM)	Z125-6011-03

2.3.2 Licensed Program Publications

Figure 4 identifies the basic licensed publications for IBM Tivoli zSecure Manager for RACF z/VM.

Figure 4. Material: Program Publications

Publication Title	Form Number
IBM Tivoli zSecure Manager for RACF z/VM User Reference Manual	LC27-2781-00
IBM Tivoli zSecure Suite Documentation CD version 1.11.0	LCD7-1387-07

These licensed publications are only available to licensed users and are included on the Tivoli zSecure Documentation CD provided with your product order.

You can also download the licensed publications and the Documentation CD free of charge by signing in and verifying your license number at the following Web site
https://www14.software.ibm.com/webapp/iwm/web/preLogin.do?source=swg

This Documentation CD also contains:

IBM Tivoli zSecure Manager for RACF z/VM Installation and Deployment Guide SC27-2782-00
IBM Tivoli zSecure Messages Guide GC23-9747-02

For an additional charge, you can order printed manuals or a manufactured Tivoli zSecure Suite Documentation CD-ROM from the IBM Publications Center Web site. For ordering instructions, access the following http://www.elink.ibmlink.ibm.com/publications/servlet/pbi.wss

The IBM Tivoli zSecure Manager for RACF z/VM product manuals and all other Tivoli product manuals can be found at the Tivoli Information Center url listed below:
http://publib.boulder.ibm.com/tividd/td/tdprodlist.html

2.4 Program Source Materials

No program source materials or viewable program listings are provided for IBM Tivoli zSecure Manager for RACF z/VM.

2.5 Publications Useful During Installation

The publications listed in Figure 5 or Figure 6 on page 6, depending on your VM release, may be useful during the installation of IBM Tivoli zSecure Manager for RACF z/VM. To order copies, contact your IBM representative.

These publications can also be found at the z/VM Internet Library url listed below:
http://www.vm.ibm.com/library

Figure 5 (Page 1 of 2). Publications Useful During Installation / Service on z/VM Version 6

Publication Title	Form Number
z/VM: VMSES/E Introduction and Reference	GC24-6243
z/VM: Service Guide	GC24-6232
z/VM: CMS Command and Utility Reference	SC24-6166
z/VM: CMS File Pool Planning, Administration, and Operation	SC24-6167
z/VM: Other Components Messages and Codes	GC24-6207

Figure 5 (Page 2 of 2). Publications Useful During Installation / Service on z/VM Version 6

Publication Title	Form Number
z/VM: CMS and REXX/VM Messages and Codes	GC24-6161
z/VM: CP Messages and Codes	GC24-6177
z/VM: CP Planning and Administration	SC24-6178
z/VM: Saved Segments Planning and Administration	SC24-6229

Figure 6. Publications Useful During Installation / Service on z/VM Version 5

Publication Title	Form Number
z/VM: VMSES/E Introduction and Reference	GC24-6130
z/VM: Service Guide	GC24-6117
z/VM: CMS Commands and Utilities Reference	SC24-6073
z/VM: CMS File Pool Planning, Administration, and Operation	SC24-6074
z/VM: System Messages and Codes - AVS, Dump Viewing Facility, GCS, TSAF, and VMSES/E	GC24-6120
z/VM: System Messages and Codes - CMS	GC24-6118
z/VM: System Messages and Codes - CP	GC24-6119
z/VM: CP Planning and Administration	SC24-6083
z/VM: Saved Segments Planning and Administration	SC24-6116

3.0 Program Support

This section describes the IBM support available for IBM Tivoli zSecure Manager for RACF z/VM.

3.1 Preventive Service Planning

Before installing IBM Tivoli zSecure Manager for RACF z/VM, check with your IBM Support Center or use IBMLink™ (ServiceLink) to see whether there is additional Preventive Service Planning (PSP) information. To obtain this information, specify the following UPGRADE and SUBSET values:

Figure 7. PSP Upgrade and Subset ID

	Retain®		
COMPID	**Release**	**Upgrade**	**Subset**
5655T1300	1B0	ZSECVMRACF	ZSECURE/1B0

3.2 Statement of Support Procedures

Report any difficulties you have using this program to your IBM Support Center. If an APAR is required, the Support Center will tell you where to send any needed documentation.

Figure 8 identifies the component ID (COMPID), Retain Release and Field Engineering Service Number (FESN) for IBM Tivoli zSecure Manager for RACF z/VM.

Figure 8. Component IDs

	Retain		
COMPID	**Release**	**Component Name**	**FESN**
5655T1300	1B0	IBM Tivoli zSecure Manager for RACF z/VM 1.11.0	0400011

4.0 Program and Service Level Information

This section identifies the program and any relevant service levels of IBM Tivoli zSecure Manager for RACF z/VM. The program level refers to the APAR fixes incorporated into the program. The service level refers to the PTFs shipped with this product. Information about the cumulative service tape is also provided.

4.1 Program Level Information

The following APAR fixes against the previous release of IBM Tivoli zSecure Manager for RACF z/VM have been incorporated into this release.

VM00001 VM16860 VM16862 VM16869 VM64402

4.2 Service Level Information

Check the ZSECVMRACF PSP bucket for any additional PTFs that should be installed or any additional install information.

4.3 Cumulative Service Tape

Cumulative service for IBM Tivoli zSecure Manager for RACF z/VM Release 11.0 is available through a monthly corrective service tape, Expanded Service Option, ESO. You need to specify the product ID, 5655T13B, when ordering the ESO.

5.0 Installation Requirements and Considerations

The following sections identify the system requirements for installing and activating IBM Tivoli zSecure Manager for RACF z/VM.

5.1 Hardware Requirements

There are no special hardware requirements for IBM Tivoli zSecure Manager for RACF z/VM.

5.2 Program Considerations

The following sections list the programming considerations for installing and activating IBM Tivoli zSecure Manager for RACF z/VM.

5.2.1 Operating System Requirements

IBM Tivoli zSecure Manager for RACF z/VM supports the following VM operating systems:

- z/VM Version 5 Release 3
- z/VM Version 5 Release 4
- z/VM Version 6 Release 1

5.2.2 Other Program Product Requirements

The following program products are required to allow for IBM Tivoli zSecure Manager for RACF z/VM to execute with full functionality

- ISPF/DM version 3 release 2 or later

IBM Tivoli zSecure Manager for RACF z/VM will execute without ISPF/DM being installed, however the IBM Tivoli zSecure Manager for RACF z/VM panel interface will not be available.

5.2.3 Program Installation and Service Considerations

This section describes items that should be considered before you install or service IBM Tivoli zSecure Manager for RACF z/VM.

- VMSES/E is required to install and service this product.
- If multiple users install and maintain licensed products on your system, there may be a problem getting the necessary access to MAINT's 51D disk. If you find that there is contention for write access to the 51D disk, you can eliminate it by converting the Software Inventory from minidisk to Shared File

System (SFS). See the *VMSES/E Introduction and Reference* manual, section "Changing the Software Inventory to an SFS Directory", for information on how to make this change.

- Customers will no longer install and service IBM Tivoli zSecure Manager for RACF z/VM strictly using the MAINT user ID, but will use a new user ID--5655T13B. This is the IBM suggested user ID name. You are free to change this to any user ID name you wish; however, a PPF override must be created.

  Note: It may be easier to make the above PPF override change during the installation procedure 6.2, “Plan Your Installation For IBM Tivoli zSecure Manager for RACF z/VM” step 6 on page 14, rather than after you have installed this product.

5.3 DASD Storage and User ID Requirements

Figure 9 lists the user IDs, minidisks and default SFS directory names that are used to install and service IBM Tivoli zSecure Manager for RACF z/VM.

Important Installation Notes:

- User ID(s) and minidisks or SFS directories will be defined in 6.2, “Plan Your Installation For IBM Tivoli zSecure Manager for RACF z/VM” on page 13 and are listed here so that you can get an idea of the resources that you will need prior to allocating them.
- 5655T13B is a default user ID and can be changed. If you choose to change the name of the installation user ID you need to create a Product Parameter Override (PPF) to reflect this change. This can be done in 6.2, “Plan Your Installation For IBM Tivoli zSecure Manager for RACF z/VM” step 6 on page 14.
- If you choose to install IBM Tivoli zSecure Manager for RACF z/VM on a common user ID the default minidisk addresses for IBM Tivoli zSecure Manager for RACF z/VM may already be defined. If any of the default minidisks required by IBM Tivoli zSecure Manager for RACF z/VM are already in use you will have to create an override to change the default minidisks for IBM Tivoli zSecure Manager for RACF z/VM so they are unique.

Figure 9 (Page 1 of 2). DASD Storage Requirements for Target Minidisks

Minidisk owner (user ID)	Default Address	Storage in Cylinders		FB-512 Blocks	SFS 4K Blocks	Usage
		DASD	CYLS			Default SFS Directory Name
5655T13B	2B2	3390	110	158000	19800	Contains all the base code shipped with IBM Tivoli zSecure Manager for RACF z/VM **VMSYS:5655T13B.ZSECURE.OBJECT**

Note: Cylinder values defined in this table are based on a 4K block size. FB-512 block and SFS values are derived from the 3390 cylinder values in this table. The FBA blocks are listed as 1/2K but should be CMS formatted at 1K size. 54360 4K blocks are needed for SFS install.

Figure 9 (Page 2 of 2). DASD Storage Requirements for Target Minidisks

Minidisk owner (user ID)	Default Address	Storage in Cylinders		FB-512 Blocks	SFS 4K Blocks	Usage
		DASD	CYLS			Default SFS Directory Name
5655T13B	2C2	3390	2	2880	360	Contains customization files. This disk may also be used for local modifications. **VMSYS:5655T13B.ZSECURE.localsam**
5655T13B	2D2	3390	40	57600	7200	Contains serviced files **VMSYS:5655T13B.ZSECURE.DELTA**
5655T13B	2A6	3390	10	14400	1800	Contains AUX files and software inventory tables that represent the test service level of IBM Tivoli zSecure Manager for RACF z/VM **VMSYS:5655T13B.ZSECURE.APPLYALT**
5655T13B	2A2	3390	10	14400	1800	Contains AUX files and software inventory tables that represent the service level of IBM Tivoli zSecure Manager for RACF z/VM that is currently in production. **VMSYS:5655T13B.ZSECURE.APPLYPROD**
5655T13B	100	3390	100	144000	18000	Test build disk. This code will be copied to a production disk, (e.g. MAINT 19E) so the production disk will also require this amount of free space. **VMSYS:5655T13B.ZSECURE.BUILDT**
5655T13B	200	3390	100	144000	n/a	Production build disk. This should be the same size as the test build disk.
5655T13B	191	3390	30	43200	5400	5655T13B user ID's 191 minidisk **VMSYS:5655T13B.**

Note: Cylinder values defined in this table are based on a 4K block size. FB-512 block and SFS values are derived from the 3390 cylinder values in this table. The FBA blocks are listed as 1/2K but should be CMS formatted at 1K size. 54360 4K blocks are needed for SFS install.

6.0 Installation Instructions

This chapter describes the installation methods and the step-by-step procedures to install and activate IBM Tivoli zSecure Manager for RACF z/VM.

The step-by-step procedures are in two-column format. The steps to be performed are in bold, large numbers. Commands for these steps are on the left-hand side of the page in bold print. Additional information for a command may exist to the right of the command.

Each step of the installation instructions must be followed. Do not skip any step unless directed to do so.

Throughout these instructions, the use of IBM-supplied default minidisk addresses and user IDs is assumed. If you use different user IDs, minidisk addresses, or SFS directories to install IBM Tivoli zSecure Manager for RACF z/VM, adapt these instructions as needed for your environment.

Note

The sample console output presented throughout these instructions was produced on a z/VM 5.3.0 system. If you're installing IBM Tivoli zSecure Manager for RACF z/VM on a different VM system, the results obtained for some commands may differ from those depicted here.

6.1 VMSES/E Installation Process Overview

The following is a brief description of the main steps in installing IBM Tivoli zSecure Manager for RACF z/VM using VMSES/E.

- Plan Your Installation

  Use the VMFINS command to load several VMSES/E files from the product tape and to obtain IBM Tivoli zSecure Manager for RACF z/VM resource requirements.

- Allocate Resources

  The information obtained from the previous step is used to allocate the appropriate minidisks (or SFS directories) and user IDs needed to install and use IBM Tivoli zSecure Manager for RACF z/VM.

- Install the IBM Tivoli zSecure Manager for RACF z/VM Product

  Use the VMFINS command to load the IBM Tivoli zSecure Manager for RACF z/VM product files from tape to the test BUILD and BASE minidisks/directories. VMFINS is then used to update the VM SYSBLDS file used by VMSES/E for software inventory management.

- Perform Post-installation Tasks

  Information about file tailoring and initial activation of the program is presented in 6.6, “Post-Installation Considerations” on page 25.

- Place IBM Tivoli zSecure Manager for RACF z/VM Files into Production

Once the product files have been tailored and the operation of IBM Tivoli zSecure Manager for RACF z/VM is satisfactory, the product files are copied from the test BUILD disk(s) to production BUILD disk(s).

For a complete description of all VMSES/E installation options refer to *VMSES/E Introduction and Reference*.

6.2 Plan Your Installation For IBM Tivoli zSecure Manager for RACF z/VM

The VMFINS command will be used to plan the installation. This section has 2 main steps that will:

- load the first tape file, containing installation files
- generate a 'PLANINFO' file listing
  - all user ID and mdisks/SFS directory requirements
  - required products

To obtain planning information for your environment:

1 Log on as IBM Tivoli zSecure Manager for RACF z/VM installation planner.

This user ID can be any ID that has read access to MAINT's 5E5 minidisk and write access to the MAINT 51D minidisk.

2 Mount the IBM Tivoli zSecure Manager for RACF z/VM installation tape and attach it to the user ID at virtual address 181. The VMFINS EXEC requires the tape drive to be at virtual address 181. If you have a product envelope SERVLINK file make sure it is available on the A-disk or any work disk accessed as C.

3 Establish read access to the VMSES/E code.

link MAINT 5e5 5e5 rr
access 5e5 b

The 5E5 disk contains the VMSES/E code.

4 Establish write access to the Software Inventory disk.

link MAINT 51d 51d mr
access 51d d

The MAINT 51D disk is where the VMSES/E system-level Software Inventory and other dependent files reside.

Note: If another user already has the MAINT 51D minidisk linked in write mode (R/W), you will only obtain read access (R/O) to this minidisk. If this occurs, you will need to have that user re-link the 51D in read-only mode

(RR), and then re-issue the above LINK and ACCESS commands. Do not continue with these procedures until a R/W link is established to the 51D minidisk.

5 Load the IBM Tivoli zSecure Manager for RACF z/VM product control files to the 51D minidisk. The VMFINS INFO command will perform the following:

- load Memo-to-Users
- load various product control files, including the Product Parameter File (PPF) and the PRODPART files
- create VMFINS PRODLIST on your A-disk. The VMFINS PRODLIST contains a list of products on the installation tape.

a If installing from **tape**

vmfins install info (nomemo

The NOMEMO option will load the memos from the tape but will not issue a prompt to send them to the system printer. Specify the MEMO option if you want to be prompted for printing the memo.

b If installing from a product **envelope** file

vmfins install info (nomemo env *envfilename*

envfilename is the file name of the product envelope file. The file type must be SERVLINK.

The NOMEMO option will load the memos from the envelop but will not issue a prompt to send them to the system printer. Specify the MEMO option if you want to be prompted for printing the memo.

This command will perform the following:

```
VMFINS2760I VMFINS processing started
VMFINS1909I VMFINS PRODLIST created on your A-disk
VMFINS2760I VMFINS processing completed successfully
Ready;
```

6 Obtain resource planning information for IBM Tivoli zSecure Manager for RACF z/VM.

Notes:

a. The product will **not** be loaded by the VMFINS command at this time.

a If installing from **tape**

vmfins install ppf 5655T13B {ZSECURE | ZSECURESFS} (plan nomemo

Use **ZSECURE** for installing on minidisks or **ZSECURESFS** for installing in Shared File System directories.

The PLAN option indicates that VMFINS will perform requisite checking, plan system resources, and provide an opportunity to override the defaults in the product parameter file.

You can override any of the following:

- the name of the product parameter file
- the default user IDs
- minidisk/directory definitions

b If installing from product **envelope** file

vmfins install ppf 5655T13B {ZSECURE | ZSECURESFS} (plan nomemo env *envfilename*

envfilename is the file name of the product envelope file. The file type must be SERVLINK.

Use **ZSECURE** for installing on minidisks or **ZSECURESFS** for installing in Shared File System directories.

The PLAN option indicates that VMFINS will perform requisite checking, plan system resources, and provide an opportunity to override the defaults in the product parameter file.

You can override any of the following:

- the name of the product parameter file
- the default user IDs
- minidisk/directory definitions

Notes:

a. If you change the PPF name, a default user ID, or other parameters via a PPF override, you will need to use your changed values instead of those indicated (when appropriate), throughout the rest of the installation instructions, as well as the instructions for servicing IBM Tivoli zSecure Manager for RACF z/VM. For example, you will need to specify your PPF override file name instead of 5655T13B for certain VMSES/E commands.

b. If you're not familiar with creating PPF overrides using VMFINS, you should review the "Using the Make Override Panel" section in Chapter 3 of the *VMSES/E Introduction and Reference* before you continue.

c. For more information about changing the VMSYS file pool name refer to Chapter 3 in the *VMSES/E Introduction and Reference*.

```
VMFINS2767I Reading VMFINS DEFAULTS B for additional options
VMFINS2760I VMFINS processing started
VMFINS2601R Do you want to create an override for :PPF 5655T13B ZSECURE
            :PRODID 5655T13B%ZSECURE?
            Enter 0 (No), 1 (Yes) or 2 (Exit)
0
VMFINS2603I Processing product :PPF 5655T13B ZSECURE :PRODID
            5655T13B%ZSECURE
VMFREQ1909I 5655T13B PLANINFO created on your A-disk
VMFREQ2805I Product :PPF 5655T13B ZSECURE :PRODID 5655T13B%ZSECURE
            has passed requisite checking
VMFINT2603I Planning for the installation of product :PPF 5655T13B ZSECURE
            :PRODID 5655T13B%ZSECURE
VMFRMT2760I VMFRMT processing started
VMFRMT2760I VMFRMT processing completed successfully
VMFINS2760I VMFINS processing completed successfully
```

7 Review the install message log ($VMFINS $MSGLOG). If necessary, correct any problems before going on. For information about handling specific error messages, see the appropriate *z/VM: System Messages and Codes*, or use on-line HELP.

vmfview install

6.3 Allocate Resources for Installing IBM Tivoli zSecure Manager for RACF z/VM

Use the planning information in the 5655T13B PLANINFO file, created in the **PLAN** step, to:

- Create the 5655T13B user directory for minidisk install

  OR

- Create the 5655T13B user directory for SFS install

6.3.1 Installing IBM Tivoli zSecure Manager for RACF z/VM on Minidisk

1 Obtain the user directory from the 5655T13B PLANINFO file.

Note: The user directory entry is located in the resource section of the PLANINFO file, at the bottom; these entries will contain all of the links and privilege classes necessary for the 5655T13B user ID. Use the directory entry found in PLANINFO as a model as input to your system directory.

2 Add the MDISK statements to the directory entry for 5655T13B. Use Figure 9 on page 10 to obtain the minidisk requirements.

3 Add the 5655T13B directory entry to the system directory. Change the password for 5655T13B from xxxxx to a valid password, in accordance with your security guidelines.

4 Place the new user directory on-line using the DIRECTXA command or an equivalent CP directory maintenance method, such as DIRMAINT.

Note

All minidisks for the 5655T13B user ID must be CMS formatted before installing IBM Tivoli zSecure Manager for RACF z/VM.

6.3.2 Installing IBM Tivoli zSecure Manager for RACF z/VM in SFS Directories

1 Obtain the user directory from the 5655T13B PLANINFO file.

Note: The user directory entry is located in the resource section of the PLANINFO file, at the bottom; these entries will contain all of the links and privilege classes necessary for the 5655T13B user ID. Use the directory entry found in PLANINFO as a model as input to your system directory.

2 Add the 5655T13B directory entry to the system directory. Change the password for 5655T13B from xxxxx to a valid password, in accordance with your security guidelines.

3. If you intend to use an SFS directory as the work space for the 5655T13B user ID, include the following IPL control statement in the 5655T13B directory entry:

   ```
   IPL CMS PARM FILEPOOL VMSYS
   ```

   This will cause CMS to automatically access the 5655T13B's top directory as file mode A.

4. Place the new user directory on-line using the DIRECTXA command or an equivalent CP directory maintenance method, such as DIRMAINT.

5. An SFS installation will also require the following steps:

   a. Determine the number of 4K blocks that are required for SFS directories by adding up the 4K blocks required for each SFS directory you plan to use.

      If you intend to use all of the default IBM Tivoli zSecure Manager for RACF z/VM SFS directories, the 4K block requirements for the directories are summarized in Figure 9 on page 10.

      This information will be used when enrolling the user ID, 5655T13B, in the VMSYS filepool.

   b. Enroll user 5655T13B in the VMSYS filepool using the ENROLL USER command:

      ```
      ENROLL USER 5655T13B VMSYS: (BLOCKS blocks
      ```

      where *blocks* is the number of 4K blocks that you calculated in the previous step.

      Note: This must be done from a user ID that is an administrator for VMSYS: filepool.

   c. Determine if there are enough blocks available in the filepool to install IBM Tivoli zSecure Manager for RACF z/VM. This information can be obtained from the QUERY FILEPOOL STORGRP command. If the number of blocks free is smaller than the total 4K blocks needed to install IBM Tivoli zSecure Manager for RACF z/VM you will need to add space to the filepool. See the *CMS File Pool Planning, Administration, and Operation* manual for information on adding space to a filepool.

   d. Create the necessary subdirectories listed in the 5655T13B PLANINFO file using the CREATE DIRECTORY command.

set filepool vmsys:
create directory *dirid*

dirid is the name of the SFS directory you're creating. An example of the create command is:

```
create directory vmsys:5655T13B.zsecure
create directory vmsys:5655T13B.zsecure.object
   :
```

If necessary, see the *CMS Command Reference* manual for more information about the CREATE DIRECTORY command.

A complete list of default IBM Tivoli zSecure Manager for RACF z/VM SFS directories is provided in Figure 9 on page 10.

6.4 Install IBM Tivoli zSecure Manager for RACF z/VM

The *ppfname* used throughout these installation instructions is **5655T13B**, which assumes you are using the PPF supplied by IBM for IBM Tivoli zSecure Manager for RACF z/VM. If you have your own PPF override file for IBM Tivoli zSecure Manager for RACF z/VM, you should use your file's *ppfname* instead of **5655T13B**. The *ppfname* you use should be used **throughout** the rest of this procedure.

1. Logon to the installation user ID **5655T13B**.

2. Create a PROFILE EXEC that will contain the ACCESS commands for MAINT 5E5 and 51D minidisks.

```
xedit profile exec a
===> input /**/
===> input 'access 5e5 b'
===> input 'access 51d d'
===> input 'set PF12 retrieve'
===> file
```

If either 5E5 or 51D is in a shared file system (SFS) then substitute your SFS directory name in the access command.

3. Run the profile to access MAINT's minidisks.

```
profile
```

4. If the Software Inventory disk (51D) was accessed R/O (read only) then establish write access to the Software Inventory disk.

   Note: If the MAINT 51D minidisk was accessed R/O, you will need to have the user who has it linked R/W link it as R/O. You then can issue the following commands to obtain R/W access to it.

```
link MAINT 51d 51d mr
access 51d d
```

5 Have the IBM Tivoli zSecure Manager for RACF z/VM installation tape mounted and attached to 5655T13B at virtual address 181. The VMFINS EXEC requires the tape drive to be at virtual address 181. If you have a product envelop SERVLINK file make sure it is available on the A disk or any work disk accessed as C.

6 Install IBM Tivoli zSecure Manager for RACF z/VM.

Notes:

a. If you have already created a PPF override file, you should specify your override file name, in place of the default PPF name (5655T13B), after the **PPF** keyword for the following VMFINS command.

b. You may be prompted for additional information during VMFINS INSTALL processing depending on your installation environment. If you're unsure how to respond to a prompt, refer to the "Installing Products with VMFINS" and "Install Scenarios" chapters in the *VMSES/E Introduction and Reference* to decide how to proceed.

a If installing from **tape**

vmfins install ppf 5655T13B {ZSECURE | ZSECURESFS} (nomemo nolink

Use **ZSECURE** for installing on minidisks or **ZSECURESFS** for installing in Shared File System directories.

The NOLINK option indicates that you don't want VMFINS to link to the appropriate minidisks, only access them if not accessed.

b If installing from a product **envelope** file

vmfins install ppf 5655T13B {ZSECURE | ZSECURESFS} (nomemo nolink env *envfilename*

Use **ZSECURE** for installing on minidisks or **ZSECURESFS** for installing in Shared File System directories.

The NOLINK option indicates that you don't want VMFINS to link to the appropriate minidisks, only access them if not accessed.

envfilename is the file name of the product envelope file. The filetype must be SERVLINK.

```
VMFINS2767I Reading VMFINS DEFAULTS B for additional options
VMFINS2760I VMFINS processing started
VMFINS2601R Do you want to create an override for :PPF 5655T13B ZSECURE
            :PRODID 5655T13B%ZSECURE?
            Enter 0 (No), 1 (Yes) or 2 (Exit)
0
VMFINS2603I Processing product :PPF 5655T13B ZSECURE :PRODID
            5655T13B%ZSECURE
VMFREQ2805I Product :PPF 5655T13B ZSECURE :PRODID 5655T13B%ZSECURE
            has passed requisite checking
VMFINT2603I Installing product :PPF 5655T13B ZSECURE :PRODID
            5655T13B%ZSECURE
VMFSET2760I VMFSETUP processing started for 5655T13B ZSECURE
VMFUTL2205I Minidisk|Directory Assignments:
            String    Mode  Stat  Vdev  Label/Directory
VMFUTL2205I LOCALSAM  E      R/W  2C2   ZSC2C2
VMFUTL2205I APPLY     F      R/W  2A6   ZSC2A6
VMFUTL2205I           G      R/W  2A2   ZSC2A2
VMFUTL2205I DELTA     H      R/W  2D2   ZSC2D2
VMFUTL2205I BUILD0    I      R/W  100   ZSC100
VMFUTL2205I BASE1     J      R/W  2B2   ZSC2B2
VMFUTL2205I --------  A      R/W  191   ZSC191
VMFUTL2205I --------  B      R/O  5E5   MNT5E5
VMFUTL2205I --------  D      R/W  51D   ZSC51D
VMFUTL2205I --------  S      R/O  190   MNT190
VMFUTL2205I --------  Y/S    R/O  19E   MNT19E
VMFSET2760I VMFSETUP processing completed successfully
VMFREC2760I VMFREC processing started
VMFREC1852I Volume 1 of 1 of INS ENVELOPE 1000
VMFREC1851I (1 of 6) VMFRCAXL processing AXLIST
VMFRCX2159I Loading 0 part(s) to DELTA 2D2 (H)
VMFREC1851I (2 of 6) VMFRCPTF processing PARTLST
VMFRCP2159I Loading 0 part(s) to DELTA 2D2 (H)
VMFREC1851I (3 of 6) VMFRCCOM processing DELTA
VMFRCC2159I Loading 0 part(s) to DELTA 2D2 (H)
VMFREC1851I (4 of 6) VMFRCALL processing APPLY
VMFRCA2159I Loading part(s) to APPLY 2A6 (F)
VMFRCA2159I Loaded 1 part(s) to APPLY 2A6 (F)
VMFREC1851I (5 of 6) VMFRCALL processing BASE
VMFRCA2159I Loading part(s) to BASE1 2B2 (J)
VMFRCA2159I Loaded 6253 part(s) to BASE1 2B2 (J)
VMFREC1851I (6 of 6) VMFRCALL processing BUILD
VMFRCA2159I Loading part(s) to BUILD0 100 (I)
VMFRCA2159I Loaded 5949 part(s) to BUILD0 100 (I)
VMFREC2760I VMFREC processing completed successfully
VMFINT2603I Product installed
VMFINS2760I VMFINS processing completed successfully
```

7 Review the install message log ($VMFINS $MSGLOG). If necessary, correct any problems before going on. For information about handling specific error messages, see the appropriate *z/VM: System Messages and Codes*, or use on-line HELP.

vmfview install

6.4.1 Update Build Status Table for IBM Tivoli zSecure Manager for RACF z/VM

1 Update the VM SYSBLDS software inventory file for IBM Tivoli zSecure Manager for RACF z/VM.

vmfins build ppf 5655T13B {ZSECURE | ZSECURESFS} (serviced nolink

Use **ZSECURE** for installing on minidisks or **ZSECURESFS** for installing in Shared File System directories.

The SERVICED option will build any parts that were not built on the installation tape (if any) and update the Software Inventory build status table showing that the product 5655T13B has been built.

2 Review the install message log ($VMFINS $MSGLOG). If necessary, correct any problems before going on. For information about handling specific error messages, see the appropriate *z/VM: System Messages and Codes,* or use on-line HELP.

vmfview install

6.4.2 Build the IBM Tivoli zSecure Manager for RACF z/VM CKRCARLA LOADLIB

1 If you have ISPF/DM available, link and access the minidisk or SFS where ISPF/DM product code is installed. If ISPF/DM is not installed, Step 1 does not have to be performed. However, the remaining steps in this Section must be performed to build the CKRCARLA LOADLIB.

release C
link *ispfvm idev zdev* **rr**
access *zdev* **C**

For *ispfvm idev*, you should substitute the location (userid and minidisk) where ISPF resides in your system.
For *zdev*, you can specify any unused device in your virtual machine.
Access mode C is mandatory, because access modes A, B and D are occupied, and VMSES/E does not preserve access modes higher than D. If ISPF/DM is not installed, this step does not have to be performed. However, the remaining steps in this Section must be performed to build the CKRCARLA LOADLIB. IBM Tivoli zSecure Manager for RACF z/VM will execute without ISPF/DM being installed, however the IBM Tivoli zSecure Manager for RACF z/VM panel interface will not be available.

2 Establish the correct minidisk access order.

vmfsetup 5655T13B {ZSECURE | ZSECURESFS}

5655T13B is the PPF that was shipped with the product. If you have your own PPF override you should substitute your PPF name for 5655T13B.

Use **ZSECURE** for installing on minidisks or **ZSECURESFS** for installing in Shared File System directories.

3 Build CKRCARLA LOADLIB

vmfbld ppf 5655T13B {ZSECURE | ZSECURESFS} CKVBLCLL (ALL

Use **ZSECURE** for installing on minidisks or **ZSECURESFS** for installing in Shared File System directories.

Note: If your software inventory disk (51D) is not owned by the MAINT user ID then make sure the VMSESE PROFILE reflects the correct owning user ID.

4 Review the Build message log ($VMFBLD $MSGLOG). If necessary, correct any problems before going on. For information about handling specific error

messages, see the appropriate *z/VM: System Messages and Codes,* or use on-line HELP.

vmfview build

6.5 Place IBM Tivoli zSecure Manager for RACF z/VM Into Production

6.5.1 Copy IBM Tivoli zSecure Manager for RACF z/VM Files Into Production Minidisk

If you installed IBM Tivoli zSecure Manager for RACF z/VM on to minidisks then follow these instructions. Otherwise, continue with 6.5.2, "Copy IBM Tivoli zSecure Manager for RACF z/VM Files Into Production - Shared File System."

1. Logon to the installation user ID 5655T13B and move the IBM Tivoli zSecure Manager for RACF z/VM executables to the production disk.

```
link 5655T13B 100 100 rr
link 5655T13B 200 200 mr
access 100 e
access 200 f
vmfcopy * * e = = f2 (prodid 5655T13B%ZSECURE olddate replace
```

The VMFCOPY command will update the VMSES PARTCAT file on the 200 disk.

6.5.2 Copy IBM Tivoli zSecure Manager for RACF z/VM Files Into Production - Shared File System

If you installed IBM Tivoli zSecure Manager for RACF z/VM in to the shared file system then follow these instructions.

1. Logon to the installation user ID 5655T13B and move the IBM Tivoli zSecure Manager for RACF z/VM executables to the production disk.

```
link 5655T13B 200 200 mr
access 5655T13B.ZSECURE.BUILDT e
access 200 f
vmfcopy * * e = = f2 (prodid 5655T13B%ZSECURE olddate replace
```

The VMFCOPY command will update the VMSES PARTCAT file on the production build directory.

IBM Tivoli zSecure Manager for RACF z/VM is now installed and built on your system.

6.6 Post-Installation Considerations

Now that the IBM Tivoli zSecure Manager for RACF z/VM has been installed, you should use the IBM Tivoli zSecure Manager for RACF z/VM Installation and Deployment Guide (SC27-2782-00) publication to configure it for use.

7.0 Service Instructions

This section of the Program Directory contains the procedure to install CORrective service to IBM Tivoli zSecure Manager for RACF z/VM. VMSES/E is used to install service for IBM Tivoli zSecure Manager for RACF z/VM.

To become more familiar with service using VMSES/E, you should read the introductory chapters in the *VMSES/E Introduction and Reference*. This manual also contains the command syntax for the VMSES/E commands listed in the procedure.

Note: Each step of the service instructions must be followed. Do not skip any step unless directed to do so. All instructions showing accessing of disks assume the use of default minidisk addresses. If different minidisk addresses are used, or if using a shared file system, change the instructions appropriately.

7.1 VMSES/E Service Process Overview

The following is a brief description of the main steps in servicing IBM Tivoli zSecure Manager for RACF z/VM using VMSES/E.

- Setup Environment

  Access the software inventory disk. Use VMFSETUP command to establish the correct minidisk access order.

- Merge Service

  Use the VMFMRDSK command to clear the alternate apply disk before receiving new service. This allows you to remove the new service if a serious problem is found.

- Receive Service

  The VMFREC command receives service from the delivery media and places it on the Delta disk.

- Apply Service

  The VMFAPPLY command updates the version vector table (VVT), which identifies the service level of all the serviced parts. In addition, AUX files are generated from the VVT for parts that require them.

- Reapply Local Service (if applicable)

  All local service (mods) must be entered into the software inventory to allow VMSES/E to track the changes and build them into the system. Refer to Chapter 7 in the *Service Guide* for this procedure.

- Build New Levels

  The build task generates the serviced level of an object and places the new object on a test BUILD disk.

- Place the New Service into Production

Once the service is satisfactorily tested it should be put into production by copying the new service to the production disk, re-saving the NSS (Named Saved System) or DCSS (Discontiguous Saved Segments), etc.

7.2 Servicing IBM Tivoli zSecure Manager for RACF z/VM

7.2.1 Prepare to Receive Service

Electronic Service (envelope file)

If you have received the service electronically or on CD-ROM, follow the appropriate instructions to retrieve and decompress the envelope files to your A-disk. The decompression is currently done by using the DETERSE MODULE (shipped with VMSES/E).

The documentation envelope and the service envelope files must have a file type of SERVLINK. Make note of the file names that you are using as you will need to enter them in place of the variable *envfilename* in the VMFREC commands that follow.

The *ppfname* used throughout these servicing instructions is **5655T13B**, which assumes you are using the PPF supplied by IBM for IBM Tivoli zSecure Manager for RACF z/VM. If you have your own PPF override file for IBM Tivoli zSecure Manager for RACF z/VM, you should use your file's *ppfname* instead of **5655T13B**. The *ppfname* you use should be used **throughout** the rest of this procedure, unless otherwise stated.

1 Logon to IBM Tivoli zSecure Manager for RACF z/VM service user ID **5655T13B**

2 If the Software Inventory disk (51D) was accessed R/O (read only) then establish write access to the Software Inventory disk.

Note: If the MAINT 51D minidisk was accessed R/O, you will need to have the user that has it accessed R/W link it R/O. You then can issue the following commands to obtain R/W access to it.

link MAINT 51d 51d mr
access 51d d

The 51D minidisk is where the VMSES/E Software Inventory files and other product dependent files reside.

3 Have the IBM Tivoli zSecure Manager for RACF z/VM CORrective service tape mounted and attached to ***5655T13B***. If you have a corrective service envelope file (SERVLINK)then it needs to be available on the A-disk or any work disk accessed as C.

4 Receive the documentation.

a If receiving the service from tape

vmfrec info

The INFO option loads the documentation (including the product service memo) to the 191 disk and displays a list of products on the tape.

b If receiving the service from an envelope file

vmfrec info (env *envfilename*

envfilename is the file name of the product envelope file. The file type must be SERVLINK.

The INFO option loads the documentation (including the product service memo) to the 191 disk and displays a list of products in the envelope file.

5 Check the receive message log ($VMFREC $MSGLOG) for warning and error messages.

vmfview receive

Also make note of which products and components have service. To do this, use the PF5 key to show all status messages which identify the products with service.

6 Read the product memo (5655T13B MEMO) before going on.

7 Setup the correct product access order.

vmfsetup 5655T13B {ZSECURE | ZSECURESFS}

Use **ZSECURE** for installing on minidisks or **ZSECURESFS** for installing in Shared File System directories.

8 Merge previously applied service to ensure that you have a clean alternate APPLY disk for new service.

vmfmrdsk 5655T13B {ZSECURE | ZSECURESFS} apply

Use **ZSECURE** for installing on minidisks or **ZSECURESFS** for installing in Shared File System directories.

This command clears the alternate APPLY disk.

9 Review the merge message log ($VMFMRD $MSGLOG). If necessary, correct any problems before going on. For information about handling specific error messages, see the appropriate *z/VM: System Messages and Codes*, or use on-line HELP.

vmfview mrd

7.2.2 Receive the Service

Note: If you are installing multiple service tapes or envelope files, you can receive all of the service for this prodid before applying and building it.

For **each** service tape or electronic envelope you want to receive, do the following:

1 Receive the service.

a If receiving the service from tape

vmfrec ppf 5655T13B {ZSECURE | ZSECURESFS}

Use **ZSECURE** for installing on minidisks or **ZSECURESFS** for installing in Shared File System directories.

This command receives service from your service tape. All new service is loaded to the DELTA disk.

b If receiving the service from the PTF envelope file

vmfrec ppf 5655T13B {ZSECURE | ZSECURESFS} (env *envfilename*

Use **ZSECURE** for installing on minidisks or **ZSECURESFS** for installing in Shared File System directories.

This command receives service from your service envelope. All new service is loaded to the DELTA disk.

2 Review the receive message log ($VMFREC $MSGLOG). If necessary, correct any problems before going on. For information about handling specific error messages, see the appropriate *z/VM: System Messages and Codes*, or use on-line HELP.

vmfview receive

7.2.3 Apply the Service

1 Apply the new service.

vmfapply ppf 5655T13B {ZSECURE | ZSECURESFS}

Use **ZSECURE** for installing on minidisks or **ZSECURESFS** for installing in Shared File System directories.

This command applies the service that you just received. The version vector table (VVT) is updated with all serviced parts and all necessary AUX files are generated on the alternate APPLY disk.

You must review the VMFAPPLY message log if you receive a return code (RC) of a 4, as this may indicate that you have local modifications that need to be reworked.

2 Review the apply message log ($VMFAPP $MSGLOG). If necessary, correct any problems before going on. For information about handling specific error messages, see the appropriate *z/VM: System Messages and Codes*, or use on-line HELP.

vmfview apply

Note

If you get the message VMFAPP2120W you must re-apply any local modifications before building the new IBM Tivoli zSecure Manager for RACF z/VM. Refer to chapter 7 in the *Service Guide*. Follow the steps that are applicable to your local modification.

The following substitutions need to be made:

- **zvm** should be **5655T13B**
- *compname* should be **ZSECURE** or **ZSECURESFS** (minidisk or SFS)
- *appid* should be **5655T13B**
- *fm-local* should be the fm of 2C2
- *fm-applyalt* should be the fm of 2A6
- **outmode localmod** should be **outmode localsam**

If you have changed any of the installation parameters through a PPF override, you need to substitute your changed values where applicable.

Keep in mind that when you get to the "Return to the Appropriate Section to Build Remaining Objects" or "Rebuild Remaining Objects" step in the VM *Service Guide*, you should return back to this program directory at 7.2.4, “Update the Build Status Table” on page 31.

7.2.4 Update the Build Status Table

1 Update the Build Status Table with serviced parts.

vmfbld ppf 5655T13B {ZSECURE | ZSECURESFS} (status

Use **ZSECURE** for installing on minidisks or **ZSECURESFS** for installing in Shared File System directories.

This command updates the Build Status Table.

Note

If the $PPF files have been serviced you will get the following prompt:

```
VMFBLD2185R The following source product parameter files have been
            serviced:
VMFBLD2185R 5655T13B $PPF
VMFBLD2185R When source product parameter files are serviced, all
            product parameter files built from them must be recompiled
            using VMFPPF before VMFBLD can be run.
VMFBLD2185R Enter zero (0) to have the latest level of the source product
            parameter files copied to your A-disk and exit VMFBLD so
            you can recompile your product parameter files with VMFPPF.
            Enter one (1) to continue only if you have already
            recompiled your product parameter files with VMFPPF.
```

0	Enter a 0 and complete the following steps before you continue.

```
VMFBLD2188I Building 5655T13B $PPF
            on 191 (A) from level $PFnnnnn
```

vmfppf 5655T13B *	**Note:** If you have created your own PPF override then use your PPF name instead of 5655T13B.
copy 5655T13B $PPF a = = d (olddate replace **erase 5655T13B $PPF a**	**Note: Do not** use your own PPF name in place of 5655T13B for the COPYFILE and ERASE commands.
vmfbld ppf 5655T13B {ZSECURE | ZSECURESFS} (status	
1	Re-issue VMFBLD to complete updating the build status table. If you have your own PPF name then you should use it on the VMFBLD command. Use **ZSECURE** for installing on minidisks or **ZSECURESFS** for installing in Shared File System directories. When you receive the prompt that was previously displayed, enter a 1 to continue.

2 Use VMFVIEW to review the build status messages, and see what objects need to be built.

vmfview build

7.2.5 Build Serviced Objects

If you have ISPF/DM available, link and access the minidisk or SFS where ISPF/DM product code is installed. If ISPF/DM is not installed, Step 1 does not have to be performed. However, the remaining steps in this Section must be performed to build the CKRCARLA LOADLIB.

release C
link *ispfvm idev zdev* **rr**
access *zdev* **C**

For *ispfvm idev*, you should substitute the location (userid and minidisk) where ISPF resides in your system.
For *zdev*, you can specify any unused device in your virtual machine.
Access mode C is mandatory, because access modes A, B and D are occupied, and VMSES/E does not preserve access modes higher than D. If ISPF/DM is not installed, this step does not have to be performed. However, the remaining steps in this Section must be performed to build the CKRCARLA LOADLIB. IBM Tivoli zSecure Manager for RACF z/VM will execute without ISPF/DM being installed, however the IBM Tivoli zSecure Manager for RACF z/VM panel interface will not be available.

1 Rebuild IBM Tivoli zSecure Manager for RACF z/VM serviced parts.

vmfbld ppf 5655T13B {ZSECURE | ZSECURESFS} (serviced

Use **ZSECURE** for installing on minidisks or **ZSECURESFS** for installing in Shared File System directories.

Note: If your software inventory disk (51D) is not owned by the MAINT user ID then make sure the VMSESE PROFILE reflects the correct owning user ID.

2 Review the build message log ($VMFBLD $MSGLOG). If necessary, correct any problems before going on. For information about handling specific error

messages, see the appropriate *z/VM: System Messages and Codes*, or use on-line HELP.

vmfview build

7.3 Place the New IBM Tivoli zSecure Manager for RACF z/VM Service Into Production

7.3.1 Copy the New IBM Tivoli zSecure Manager for RACF z/VM Serviced Files Into Production

1 Logon to the installation user ID 5655T13B and move the IBM Tivoli zSecure Manager for RACF z/VM executables to the production disk.

a If installing using minidisks

```
link 5655T13B 100 100 rr
link 5655T13B 200 200 mr
access 100 e
access 200 f
vmfcopy * * e = = f2 (prodid 5655T13B%ZSECURE olddate replace
```

The VMFCOPY command will update the VMSES PARTCAT file on the production build disk.

b If installing using Shared File System

```
access 5655T13B.ZSECURE.BUILDT e
link 5655T13B 200 200 mr
access 200 f
vmfcopy * * e = = f2 (prodid 5655T13B%ZSECURE olddate replace
```

The VMFCOPY command will update the VMSES PARTCAT file on the production build disk.

You have finished servicing IBM Tivoli zSecure Manager for RACF z/VM.

Appendix A. Create Product Parameter File (PPF) Override

This section provides information to help you create a product parameter file (PPF) override. The example used in this section shows how to change the shared file system (SFS) file pool where IBM Tivoli zSecure Manager for RACF z/VM files reside.

Note: Do **not** modify the product supplied 5655T13B $PPF or 5655T13B PPF files to change the file pool name or any other installation parameters. If the 5655T13B $PPF file is serviced, the existing $PPF file will be replaced, and any changes to that file will be lost; by creating your own $PPF override, your updates will be preserved.

The following process describes changing the default file pool name, VMSYS, to MYPOOL1:.

1 Create a new $PPF override file, or edit the override file created via the 'Make Override Panel' function.

xedit *overname* **$PPF** *fm***2**

overname is the PPF override file name (such as 'myzsecure') that you want to use.

fm is an appropriate file mode. If you create this file yourself, specify a file mode of A.

If you modify an existing override file, specify a file mode of A or D, based on where the file currently resides (A being the file mode of a R/W 191 minidisk, or equivalent; D, that of the MAINT 51D minidisk).

2 Create (or modify as required) the Variable Declarations (:DCL.) section for the zsecuresfs override area, so that it resembles the :DCL. section shown below. This override will be used for the installation of IBM Tivoli zSecure Manager for RACF z/VM. Modifications needed are denoted in **bold** print.

```
:OVERLST. ZSECURESFS
*
* ================================================================ *
* Override Section for Initial Installation (Using SFS Directories)   *
* ================================================================ *
:ZSECURESFS. HZSECURESFS 5655T13B
:DCL. REPLACE
&191     DIR MYPOOL1:5655T13B.
&SAMPZ   DIR MYPOOL1:5655T13B.ZSECURE.LOCALSAM
&DELTZ   DIR MYPOOL1:5655T13B.ZSECURE.DELTA
&APPLX   DIR MYPOOL1:5655T13B.ZSECURE.APPLYALT
&APPLZ   DIR MYPOOL1:5655T13B.ZSECURE.APPLYPROD
&BLD0Z   DIR MYPOOL1:5655T13B.ZSECURE.BUILDT
&BAS1Z   DIR MYPOOL1:5655T13B.ZSECURE.OBJECT
&ZSECID1 USER  5655T13B
:EDCL.
:END.
*
```

(This override will replace the :DCL. section of the zsecuresfs override area of the 5655T13B $PPF file.)

3 If your $PPF override file was created at file mode A, copy it to file mode D — the Software Inventory minidisk (MAINT 51D). Then erase it from file mode A.

file
copyfile *overname* **$PPF** *fm* **= = d (olddate**
erase *overname* **$PPF** *fm*

4 Compile your changes to create the usable *overname* PPF file.

vmfppf *overname* **ZSECURESFS** where *overname* is the file name of your $PPF override file.

Now that the *overname* PPF file has been created, you should specify *overname* instead of 5655T13B as the PPF name to be used for those VMSES/E commands that require a PPF name.

Notices

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IBM Tivoli zSecure Manager for RACF z/VM version 1 Release 11.0

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For each of the topics below please indicate your satisfaction level by circling your choice from the rating scale. If a statement does not apply, please circle N.

RATING SCALE

very satisfied				very dissatisfied	not applicable
1	2	3	4	5	N

	Satisfaction					
Ease of product installation	1	2	3	4	5	N
Time required to install the product	1	2	3	4	5	N
Contents of program directory	1	2	3	4	5	N
Readability and organization of program directory tasks	1	2	3	4	5	N
Necessity of all installation tasks	1	2	3	4	5	N
Accuracy of the definition of the installation tasks	1	2	3	4	5	N
Technical level of the installation tasks	1	2	3	4	5	N
Installation verification procedure	1	2	3	4	5	N
Ease of customizing the product	1	2	3	4	5	N
Ease of migrating the product from a previous release	1	2	3	4	5	N
Ease of putting the system into production after installation	1	2	3	4	5	N
Ease of installing service	1	2	3	4	5	N

- Did you order this product as an independent product or as part of a package?
  - □ Independent
  - □ Package

    What type of package was ordered?

    - □ System Delivery Offering (SDO)
    - □ Other - Please specify type: _____

- Is this the first time your organization has installed this product?
  - □ Yes
  - □ No
- Were the people who did the installation experienced with the installation of VM products using VMSES/E?
  - □ Yes

    How many years of experience do they have? _____
  - □ No
- How long did it take to install this product? _____
- If you have any comments to make about your ratings above, or any other aspect of the product installation, please list them below:

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  _____

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IBM
attn: Tivoli zSecure
Olof Palmestraat 10
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