CHAPTER 3

Managing File Backups and Management Data Exports and Imports

This chapter provides procedures for managing file backups and management data.

This chapter includes the following sections:

- Restoring the Cisco VNMC Software to the Backup Configuration, page 3-1
- Working With File Backups, page 3-3
- Working With Management Data Exports and Imports, page 3-14

Restoring the Cisco VNMC Software to the Backup Configuration

The backup configuration include backing up everything including the configuration and the association details. This is a binary backup.

To restore the Cisco VNMC software to the backup configuration, follow these steps:

Step 1 Install the Cisco VNMC virtual machine (VM).

For details, see the *Cisco Virtual Security Gateway, Release 4.2(1)VSG1(1) and Cisco Virtual Network Management Center, Release 2.0 Installation Guide*.

Note Step 1 is optional if you are restoring an existing VNMC software.

Step 2 Uninstall the Cisco VSG policy agents.

Connect the Secure Shell to the Cisco VSG console for this task. This step does not cause a traffic disruption.

```
vsg# conf t
vsg (config)# vnm-policy-agent
vsg (config-vnm-policy-agent)# no policy-agent-image
```

Note Perform this step for all Cisco VSGs that are associated with the Cisco VNMC that you are restoring.

Step 3 Disable the ASA 1000V policy agents.

Connect the Secure Shell to the ASA 1000V console (CLI) for this task.

```
ciscoasa> enable
Password:
ciscoasa# configure terminal
ciscoasa(config)# no vnmc policy-agent
```

Note Perform this step for all ASA 1000Vs that are associated with the Cisco VNMC you are restoring.

Step 4 Uninstall the VSM policy agents.

Connect the Secure Shell to the VSM console for this task. This step does not cause a traffic disruption.

```
vsm# conf t
vsm (config)# vnm-policy-agent
vsm (config-vnm-policy-agent)# no policy-agent-image
```

Note Perform this step for all VSMs that are associated with the Cisco VNMC you are restoring.

Step 5 Restore the Cisco VNMC database.

Connect the Secure Shell to the Cisco VNMC CLI for this task. Depending upon your Cisco VNMC backup location, restore using File Transfer Protocol (FTP), Secure Copy (SCP), or Secure File Transfer Protocol (SFTP).

```
vnmc# connect local-mgmt
vnmc(local-mgmt)# restore scp://username@server/pathtofile
```

Note Do not use TFTP for backup and restore operations.

Step 6 In the Cisco VNMC GUI, choose **Administration > Service Registry > Clients**, and in the Work pane proceed with the following steps:

a. Wait until each registered VSM displays the operational status as lost-visibility.

b. Choose each VSM, and click the **Delete Client** icon.

Step 7 In the Cisco VNMC GUI, choose **Resource Management > Resources > Virtual Supervisor Modules,** and verify that the deleted VSMs are not visible.

Step 8 Reinstall the VSM policy agents.

Note If the VSM policy agents must be upgraded, install the new software now.

```
VSM# conf t
VSM (config)# vnm-policy-agent
VSM (config-vnm-policy-agent)# policy-agent-image bootflash:vnmc-vsmpa.2.0.1g.bin
```

Step 9 Wait until all the VSMs have registered in the Service Registry and are displayed under **Resource Management > Resources > Virtual Supervisor Modules**.

Step 10 Reinstall the Cisco VSG policy agents.

Note If the Cisco VSG policy agents must be upgraded, install the new software now.

```
VSG# conf t
VSG (config)# vnm-policy-agent
VSG (config-vnm-policy-agent)# policy-agent-image bootflash:vnmc-vsgpa.1.3.1c.bin
```

Step 11 Enable the ASA 1000V policy agents.

```
ciscoasa> enable
Password:
ciscoasa# configure terminal
ciscoasa(config)# vnmc policy-agent
ciscoasa(config-vnmc-policy-agent)# registration host n.n.n.n
ciscoasa(config-vnmc-policy-agent)# shared-secret MySharedSecret
```

Step 12 Verify the following states after the restore process is complete:

Note The restore process could take a few minutes depending upon your setup environment.

a. On the Cisco VSG CLI, verify that your configurations are restored to their earlier state.
b. On the Cisco ASA 1000V, verify that your configurations are restored to their earlier state.
c. On the Cisco VNMC GUI, verify that your objects and policies are restored to their earlier state.

Working With File Backups

This section includes the following topics:

- Creating File Backups, page 3-3
- Deleting File Backups, page 3-4
- Displaying File Backups, page 3-5
- Enabling File Backups, page 3-6
- Disabling File Backups, page 3-7
- Working With File Backup Attributes, page 3-8

Creating File Backups

You can create a file backup.

Note Do not use TFTP to backup data.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **create backup** {**ftp:**<*//user@location/file*> | **scp:**<*//user@location/file*> | **sftp:**<*//user@location/file*>} **full-state** {**disabled** | **enabled**}
3. **commit-buffer**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**create backup** **Example:** vnmc /system # create backup ftp://de@testhostname/testfile full-state enabled	Creates a file backup.
Step 3	**commit-buffer** **Example:** vnmc /system/backup* # commit-buffer	Commits (saves) the configuration.

EXAMPLES

This example shows how to create a file backup:

```
vnmc# scope system
vnmc /system # create backup ftp://de@testhostname/testfile full-state enabled

Password:
vnmc /system/backup* # commit-buffer
vnmc /system/backup #
```

Deleting File Backups

You can delete a file backup.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **delete backup** <*hostname or ip-address*>
3. **commit-buffer**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**delete backup** **Example:** vnmc /system # delete backup testhostname	Deletes the file backup.
Step 3	**commit-buffer** **Example:** vnmc /system* # commit-buffer	Commits (saves) the configuration.

EXAMPLES

This example shows how to delete a file backup:

```
vnmc# scope system
vnmc /system # delete backup testhostname
vnmc /system* # commit-buffer
vnmc /system #
```

Displaying File Backups

You can display a list of file backups.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **show backup**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**show backup** **Example:** vnmc /system # show backup	Displays a list of file backups.

EXAMPLES

This example shows how to display a list of file backups:

```
vnmc# scope system
vnmc /system # show backup

Backup:
    Hostname       Type         User     Protocol Administrative State  Description
    -------------  ------------ -------- -------- --------------------  ---------
    testhostname   Full State   testOne  Ftp      Enabled
    testhostname2  Full State   testTwo  Ftp      Enabled
vnmc /system #
```

Enabling File Backups

You can enable a file backup.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **scope backup** <*hostname or ip-address*>
3. **enable**
4. **commit-buffer**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**scope backup** **Example:** vnmc /system # scope backup testhostname	Places you in backup mode.
Step 3	**enable** **Example:** vnmc /system/backup # enable	Enables the backup.
Step 4	**commit-buffer** **Example:** vnmc /system/backup* # commit-buffer	Commits (saves) the configuration.

EXAMPLES

This example shows how to enable a file backup:

```
vnmc# scope system
vnmc /system # scope backup testhostname
vnmc /system/backup # enable

Password:
vnmc /system/backup* # commit-buffer
vnmc /system/backup #
```

Disabling File Backups

You can disable a file backup.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **scope backup** <*hostname or ip-address*>
3. **disable**
4. **commit-buffer**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**scope backup** **Example:** vnmc /system # scope backup testhostname	Places you in backup mode.
Step 3	**disable** **Example:** vnmc /system/backup # disable	Disables the backup.
Step 4	**commit-buffer** **Example:** vnmc /system/backup* # commit-buffer	Commits (saves) the configuration.

EXAMPLES

This example shows how to disable a file backup:

```
vnmc# scope system
vnmc /system # scope backup testhostname
vnmc /system/backup # disable

Password:
vnmc /system/backup* # commit-buffer
vnmc /system/backup #
```

Working With File Backup Attributes

This section contains the following topics:

- Setting the Description Attribute for File Backups, page 3-8
- Setting the Password Attribute for File Backups, page 3-9
- Setting the Protocol Attribute for File Backups, page 3-10
- Setting the Remote File Attribute for File Backups, page 3-11
- Setting the Type Attribute for File Backups, page 3-12
- Setting the User Attribute for File Backups, page 3-13

Setting the Description Attribute for File Backups

You can set the description attribute.

DBEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **scope backup** <*hostname or ip-address*>
3. **set descr** <*description*>
4. **commit-buffer**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**scope backup** **Example:** vnmc /system # scope backup testhostname	Places you in backup mode.
Step 3	**set descr** **Example:** vnmc /system/backup # set descr testAll	Sets the description attribute.
Step 4	**commit-buffer** **Example:** vnmc /system/backup* # commit-buffer	Commits (saves) the configuration.

EXAMPLES

This example shows how to set the description attribute:

```
vnmc# scope system
vnmc /system # scope backup testhostname
vnmc /system/backup # set descr testAll
vnmc /system/backup* # commit-buffer
vnmc /system/backup #
```

Setting the Password Attribute for File Backups

You can set the password attribute.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **scope backup** <*hostname or ip-address*>
3. **set password**
4. **commit-buffer**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** `vnmc# scope system`	Places you in system mode.
Step 2	**scope backup** **Example:** `vnmc /system # scope backup testhostname`	Places you in backup mode.
Step 3	**set password** **Example:** `vnmc /system/backup # set password`	Sets the password attribute.
Step 4	**commit-buffer** **Example:** `vnmc /system/backup* # commit-buffer`	Commits (saves) the configuration.

EXAMPLES

This example shows how to set the password attribute:

```
vnmc# scope system
vnmc /system # scope backup testhostname
vnmc /system/backup # set password

Password:
vnmc /system/backup* # commit-buffer
vnmc /system/backup #
```

Setting the Protocol Attribute for File Backups

You can set the remote file name.

Note Do not use TFTP to backup data.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **scope backup** <*hostname or ip-address*>
3. **set protocol** {ftp | scp | sftp}
4. **commit-buffer**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**scope backup** **Example:** vnmc /system # scope backup testhostname	Places you in backup mode.
Step 3	**set protocol** **Example:** vnmc /system/backup # set protocol scp	Sets the protocol attribute.
Step 4	**commit-buffer** **Example:** vnmc /system/backup* # commit-buffer	Commits (saves) the configuration.

EXAMPLES

This example shows how to set the protocol attribute:

```
vnmc# scope system
vnmc /system # scope backup testhostname
vnmc /system/backup # set protocol scp
vnmc /system/backup* # commit-buffer
vnmc /system/backup #
```

Setting the Remote File Attribute for File Backups

You can set the remote file attribute.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **scope backup** <*hostname or ip-address*>
3. **set remote-file** <*remote file full path*>
4. **commit-buffer**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**scope backup** **Example:** vnmc /system # scope backup testhostname	Places you in backup mode.
Step 3	**set remote-file** **Example:** vnmc /system/backup # set remote-file /directory/file_a	Sets the remote file attribute.
Step 4	**commit-buffer** **Example:** vnmc /system/backup* # commit-buffer	Commits (saves) the configuration.

EXAMPLES

This example shows how to set the remote file attribute:

```
vnmc# scope system
vnmc /system # scope backup testhostname
vnmc /system/backup # set remote-file /directory/file_a
vnmc /system/backup* # commit-buffer
vnmc /system/backup #
```

Setting the Type Attribute for File Backups

You can set the type attribute.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **scope backup** <*hostname or ip-address*>
3. **set type** {full-state}
4. **commit-buffer**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** `vnmc# scope system`	Places you in system mode.
Step 2	**scope backup** **Example:** `vnmc /system # scope backup testhostname`	Places you in backup mode.
Step 3	**set type** **Example:** `vnmc /system/backup # set type full-state`	Sets the type attribute.
Step 4	**commit-buffer** **Example:** `vnmc /system/backup* # commit-buffer`	Commits (saves) the configuration.

EXAMPLES

This example shows how to set the type attribute:

```
vnmc# scope system
vnmc /system # scope backup testhostname
vnmc /system/backup # set type full-state
vnmc /system/backup* # commit-buffer
vnmc /system/backup #
```

Setting the User Attribute for File Backups

You can set the user attribute.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **scope backup** <*hostname or ip-address*>
3. **set user** <*user-name*>
4. **commit-buffer**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** `vnmc# scope system`	Places you in system mode.
Step 2	**scope backup** **Example:** `vnmc /system # scope backup testhostname`	Places you in backup mode.
Step 3	**set user** **Example:** `vnmc /system/backup # set user techs`	Sets the user attribute.
Step 4	**commit-buffer** **Example:** `vnmc /system/backup* # commit-buffer`	Commits (saves) the configuration.

EXAMPLES

This example shows how to set the user attribute:

```
vnmc# scope system
vnmc /system # scope backup testhostname
vnmc /system/backup # set user techs
vnmc /system/backup* # commit-buffer
vnmc /system/backup #
```

Working With Management Data Exports and Imports

Data export only includes the configuration.

This section includes the following topics:

- Creating Management Data Export Services, page 3-15
- Deleting Management Data Export Services, page 3-16
- Displaying Management Data Export Services, page 3-17
- Enabling Management Data Export Services, page 3-17
- Disabling Management Data Export Services, page 3-18
- Creating Management Data Import Services, page 3-19

- Deleting Management Data Import Service, page 3-20
- Displaying Management Data Import Services, page 3-21
- Enabling Management Data Import Services, page 3-22
- Working With Management Data Attributes, page 3-24

Creating Management Data Export Services

You can create VNMC management data export services.

Note Do not use TFTP for export and import operations.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **create export** {**ftp:**<*//user@location/file*> | **scp:**<*//user@location/file*> | **sftp:**<*//user@location/file*>} {**config-all** | **config-logical** | **config-system**} {**disabled** | **enabled**}
3. **commit-buffer**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** `vnmc# scope system`	Places you in system mode.
Step 2	**create export** **Example:** `vnmc /system # create export ftp://de@testhostname/PA12 config-all enabled`	Enables the management data export service.
Step 3	**commit-buffer** **Example:** `vnmc /system/export* # commit-buffer`	Commits (saves) the configuration.

EXAMPLES

This example shows how to create a management data export service:

```
vnmc# scope system
```

```
vnmc /system # create export ftp://de@testhostname/PA12 config-all enabled

Password:
vnmc /system/export* # commit-buffer
vnmc /system/export #
```

Deleting Management Data Export Services

You can delete a management data export service.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **delete export** <*hostname or ip-address*>
3. **commit-buffer**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**delete export** **Example:** vnmc /system # delete export testhostname	Deletes the export service.
Step 3	**commit-buffer** **Example:** vnmc /system* # commit-buffer	Commits (saves) the configuration.

EXAMPLES

This example shows how to delete a management data export service:

```
vnmc# scope system
vnmc /system # delete export testhostname
vnmc /system* # commit-buffer
vnmc /system #
```

Displaying Management Data Export Services

You can display a list of export services.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **show export**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**show export** **Example:** vnmc /system # show export	Displays a list of export services.

EXAMPLES

This example shows how to display a list of export services:

```
vnmc# scope system
vnmc /system # show export

Management Data Export:
    Hostname       User       Protocol Data Export Type Administrative State Description
    ----------     ---------- -------- ---------------- -------------------- -----------
    testhostname  test        Ftp      Config All       Enabled
    testhostname2 test        Ftp      Config System    Enabled
vnmc /system #
```

Enabling Management Data Export Services

You can enable management data export services.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **scope export** <*hostname or ip-address*>
3. **enable**
4. **commit-buffer**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** `vnmc# scope system`	Places you in system mode.
Step 2	**scope export** **Example:** `vnmc /system # scope export testhostname`	Places you in export mode.
Step 3	**enable** **Example:** `vnmc /system/export # enable`	Enables management data export services.
Step 4	**commit-buffer** **Example:** `vnmc /system/export* # commit-buffer`	Commits (saves) the configuration.

EXAMPLES

This example shows how to enable a management data export service:

```
vnmc# scope system
vnmc /system # scope export testhostname
vnmc /system/export # enable

Password:
vnmc /system/export* # commit-buffer
vnmc /system/export #
```

Disabling Management Data Export Services

You can disable management data export services.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **scope export** <*hostname or ip-address*>
3. **disable**
4. **commit-buffer**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**scope export** **Example:** vnmc /system # scope export testhostname	Places you in export mode.
Step 3	**disable** **Example:** vnmc /system/export # disable	Disables management data export services.
Step 4	**commit-buffer** **Example:** vnmc /system/export* # commit-buffer	Commits (saves) the configuration.

EXAMPLES

This example shows how to enable a management data export service:

```
vnmc# scope system
vnmc /system # scope export testhostname
vnmc /system/export # disable

Password:
vnmc /system/export* # commit-buffer
vnmc /system/export #
```

Creating Management Data Import Services

You can create a VNMC management data import service.

Note Do not use TFTP for export and import operations.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **create import** {**ftp:***<//user@location/file>* | **scp:***<//user@location/file>* | **sftp:***<//user@location/file>*} {**merge**} {**disabled** | **enabled**}
3. **commit-buffer**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** `vnmc# scope system`	Places you in system mode.
Step 2	**create import** **Example:** `vnmc /system # create import ftp://de@testhostname/PA12 merge enabled`	Enables the management data import service.
Step 3	**commit-buffer** **Example:** `vnmc /system/import* # commit-buffer`	Commits (saves) the configuration.

EXAMPLES

This example shows how to create a management data import service:

```
vnmc# scope system
vnmc /system # create import ftp:/de@testhostname/PA12 merge enabled

Password:
vnmc /system/import* # commit-buffer
vnmc /system/import #
```

Deleting Management Data Import Service

You can delete the management data import service.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **delete import** <*hostname or ip-address*>
3. **commit-buffer**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**delete import** **Example:** vnmc /system # delete import testhostname	Deletes the import service.
Step 3	**commit-buffer** **Example:** vnmc /system* # commit-buffer	Commits (saves) the configuration.

EXAMPLES

This example shows how to delete the import service:

```
vnmc# scope system
vnmc /system # delete import testhostname
vnmc /system* # commit-buffer
vnmc /system #
```

Displaying Management Data Import Services

You can display a list of import services.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **show import**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**show import** **Example:** vnmc /system # show import	Displays a list of import services.

EXAMPLES

This example shows how to display a list of import services:

```
vnmc# scope system
vnmc /system # show import

Management Data Import:
    Hostname       User   Protocol Data Import Action Administrative State Description
    -------------  ------ -------- ------------------ -------------------- -----------
    testhostname   test   Ftp      Replace            Enabled
    testhostname2  test   Ftp      Replace            Enabled
vnmc /system #
```

Enabling Management Data Import Services

You can enable management data import services.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **scope import** <*hostname or ip-address*>
3. **enable**
4. **commit-buffer**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**scope import** **Example:** vnmc /system # scope import testhostname	Places you in import mode.
Step 3	**enable** **Example:** vnmc /system/import # enable	Enables management data import services.
Step 4	**commit-buffer** **Example:** vnmc /system/import* # commit-buffer	Commits (saves) the configuration.

EXAMPLES

This example shows how to enable a management data import service:

```
vnmc# scope system
vnmc /system # scope import testhostname
vnmc /system/import # enable

Password:
vnmc /system/import* # commit-buffer
vnmc /system/import #
```

Disabling Management Data Import Services

You can disable management data import services.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **scope import** <*hostname or ip-address*>
3. **disable**
4. **commit-buffer**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**scope import** **Example:** vnmc /system # scope import testhostname	Places you in import mode.
Step 3	**disable** **Example:** vnmc /system/import # disable	Disables management data import services.
Step 4	**commit-buffer** **Example:** vnmc /system/import* # commit-buffer	Commits (saves) the configuration.

EXAMPLES

This example shows how to disable a management data import service:

```
vnmc# scope system
vnmc /system # scope import testhostname
vnmc /system/import # disable

Password:
vnmc /system/import* # commit-buffer
vnmc /system/import #
```

Working With Management Data Attributes

This section includes the following topics:

- Setting the Action Attribute for Imports, page 3-24
- Setting the Description Attribute for Exports and Imports, page 3-25
- Setting the Password Attribute for Exports and Imports, page 3-27
- Setting the Protocol Attribute for Exports and Imports, page 3-28
- Setting the Remote File Prefix Attribute for Exports and Imports, page 3-30
- Setting the Type Attribute for Exports, page 3-31
- Setting the User Attribute for Exports and Imports, page 3-32

Setting the Action Attribute for Imports

You can set the action attribute.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **scope import** <*hostname or ip-address*>
3. **set action** {**merge**}
4. **commit-buffer**

DETAILED STEPS

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**scope import** **Example:** vnmc /system # scope import testhostname	Places you in import mode.
Step 3	**set action** **Example:** vnmc /system/import # set action merge	Sets the action attribute.
Step 4	**commit-buffer** **Example:** vnmc /system/import* # commit-buffer	Commits (saves) the configuration.

EXAMPLES

This example shows how to set the action attribute:

```
vnmc# scope system
vnmc /system # scope import testhostname
vnmc /system/import # set action merge
vnmc /system/import* # commit-buffer
vnmc /system/import #
```

Setting the Description Attribute for Exports and Imports

You can set the description attribute.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **scope export** <*hostname or ip-address*> | **scope import** <*hostname or ip-address*>
3. **set descr** <*description*>
4. **commit- buffer**

DETAILED STEPS (export mode)

	Command	Purpose
Step 1	**scope system** **Example:** `vnmc# scope system`	Places you in system mode.
Step 2	**scope export** **Example:** `vnmc /system # scope export testhostname`	Places you in export mode.
Step 3	**set descr** **Example:** `vnmc /system/export # set descr testA`	Sets the description attribute.
Step 4	**commit-buffer** **Example:** `vnmc /system/export* # commit-buffer`	Commits (saves) the configuration.

DETAILED STEPS (import mode)

	Command	Purpose
Step 1	**scope system** **Example:** `vnmc# scope system`	Places you in system mode.
Step 2	**scope import** **Example:** `vnmc /system # scope import testhostname`	Places you in import mode.
Step 3	**set descr** **Example:** `vnmc /system/import # set descr testA`	Sets the description attribute.
Step 4	**commit-buffer** **Example:** `vnmc /system/import* # commit-buffer`	Commits (saves) the configuration.

EXAMPLES

This example shows how to set the description attribute in export mode:

```
vnmc# scope system
vnmc /system # scope export testhostname
vnmc /system/backup # set descr testA
vnmc /system/backup* # commit-buffer
vnmc /system/backup* #
```

Setting the Password Attribute for Exports and Imports

You can set the password attribute.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **scope export** <*hostname or ip-address*> | **scope import** <*hostname or ip-address*>
3. **set password**
4. **commit-buffer**

DETAILED STEPS (export mode)

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**scope export** **Example:** vnmc /system # scope export testhostname	Places you in export mode.
Step 3	**set password** **Example:** vnmc /system/export # set password	Sets the password attribute.
Step 4	**commit-buffer** **Example:** vnmc /system/export* # commit-buffer	Commits (saves) the configuration.

DETAILED STEPS (import mode)

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**scope import** **Example:** vnmc /system # scope import testhostname	Places you in import mode.
Step 3	**set password** **Example:** vnmc /system/import # set password	Sets the password attribute.
Step 4	**commit-buffer** **Example:** vnmc /system/import* # commit-buffer	Commits (saves) the configuration.

EXAMPLES

This example shows how to set the password attribute in import mode:

```
vnmc# scope system
vnmc /system # scope import testhostname
vnmc /system/import # set password

Password:
vnmc /system/import #
```

Setting the Protocol Attribute for Exports and Imports

You can set the protocol attribute.

Note Do not use TFTP for export and import operations.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **scope export** <*hostname or ip-address*> | **scope import** <*hostname or ip-address*>
3. **set protocol** {ftp | scp | sftp}
4. **commit-buffer**

DETAILED STEPS (export mode)

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**scope export** **Example:** vnmc /system # scope export testhostname	Places you in export mode.
Step 3	**set protocol** **Example:** vnmc /system/export # set protocol ftp	Sets the password attribute.
Step 4	**commit-buffer** **Example:** vnmc /system/export* # commit-buffer	Commits (saves) the configuration.

DETAILED STEPS (import mode)

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**scope import** **Example:** vnmc /system # scope import testhostname	Places you in import mode.
Step 3	**set protocol** **Example:** vnmc /system/import # set protocol ftp	Sets the protocol attribute.
Step 4	**commit-buffer** **Example:** vnmc /system/import* # commit-buffer	Commits (saves) the configuration.

EXAMPLES

This example shows how to set the protocol attribute in import mode:

```
vnmc# scope system
vnmc /system # scope import testhostname
vnmc /system/import # set protocol ftp
vnmc /system/import* # commit-buffer
vnmc /system/import #
```

Setting the Remote File Prefix Attribute for Exports and Imports

You can set the remote file prefix attribute to the prefix (*/pathtofile/file*) or full path (*/pathtofile/file.tgz*) of the remote file.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **scope export** <*hostname or ip-address*> | **scope import** <*hostname or ip-address*>
3. **set remote-file-prefix** </*path/filename*>| </*path/filename.tgz*>
4. **commit-buffer**

DETAILED STEPS (export mode)

	Command	Purpose
Step 1	**scope system** **Example:** `vnmc# scope system`	Places you in system mode.
Step 2	**scope export** **Example:** `vnmc /system # scope export testhostname`	Places you in export mode.
Step 3	**set remote-file-prefix** **Example:** `vnmc /system/export # set remote-file-prefix /test`	Sets the remote file prefix attribute.
Step 4	**commit-buffer** **Example:** `vnmc /system/export* # commit-buffer`	Commits (saves) the configuration.

DETAILED STEPS (import mode)

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**scope import** **Example:** vnmc /system # scope import testhostname	Places you in import mode.
Step 3	**set remote-file-prefix** **Example:** vnmc /system/import # set remote-file-prefix /test	Sets the remote file prefix attribute.
Step 4	**commit-buffer** **Example:** vnmc /system/import* # commit-buffer	Commits (saves) the configuration.

EXAMPLES

This example shows how to set the remote file prefix attribute in export mode:

```
vnmc# scope system
vnmc /system # scope export testhostname
vnmc /system/export # set remote-file-prefix /test
vnmc /system/export* # commit-buffer
vnmc /system/export #
```

Setting the Type Attribute for Exports

You can set the type attribute.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **scope export** <*hostname or ip-address*>
3. **set type** <*hostname or ip-address*> {config-all | config-logical | config-system}
4. **commit-buffer**

DETAILED STEPS (export mode)

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**scope export** **Example:** vnmc /system # scope export testhostname	Places you in export mode.
Step 3	**set type** **Example:** vnmc /system/export # set type config-all	Sets the type attribute.
Step 4	**commit-buffer** **Example:** vnmc /system/export* # commit-buffer	Commits (saves) the configuration.

EXAMPLES

This example shows how to set the type attribute in export mode:

```
vnmc# scope system
vnmc /system # scope export testhostname
vnmc /system/export # set type config-all
vnmc /system/export* # commit-buffer
vnmc /system/export #
```

Setting the User Attribute for Exports and Imports

You can set the user attribute.

BEFORE YOU BEGIN

See VNMC CLIs Basic Commands, page 1-8 for basic information about the VNMC CLI.

CLI

Management controller

SUMMARY STEPS

1. **scope system**
2. **scope export** <*hostname or ip-address*> | **scope import** <*hostname or ip-address*>
3. **set user** <*user-name*>
4. **commit-buffer**

DETAILED STEPS (export mode)

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**scope export** **Example:** vnmc /system # scope export testhostname	Places you in export mode.
Step 3	**set user** **Example:** vnmc /system/export # set user techs	Sets the user attribute.
Step 4	**commit-buffer** **Example:** vnmc /system/export* # commit-buffer	Commits (saves) the configuration.

DETAILED STEPS (import mode)

	Command	Purpose
Step 1	**scope system** **Example:** vnmc# scope system	Places you in system mode.
Step 2	**scope import** **Example:** vnmc /system # scope import testhostname	Places you in import mode.
Step 3	**set user** **Example:** vnmc /system/import # set user techs	Sets the user attribute.
Step 4	**commit-buffer** **Example:** vnmc /system/import* # commit-buffer	Commits (saves) the configuration.

EXAMPLES

This example shows how to set the user attribute in import mode:

```
vnmc# scope system
vnmc /system # scope import testhostname
vnmc /system/import # set user techs
vnmc /system/import* # commit-buffer
vnmc /system/import #
```