C H A P T E R 20

Deploying and Maintaining Extensions in a Prime Network Production System

During a maintenance window, recreate the extensions that you have tested and certified in your lab by following this procedure:

1. (Optional) View the extensions that exist in your lab system, taking note of those that you want to deploy in your Prime Network production system. See Viewing VCB Registry Customizations, page 20-1.

2. Export the extensions from the Prime Network gateway in the lab to the VcbImportCommands.sh file, located in *NETWORKHOME*/Main. See Exporting VCB Registry Customizations using the CLI, page 20-3.

3. Copy the VcbImportCommands.sh file to the Prime Network gateway in the production environment, optionally, remove any extensions that you do not want to deploy from the script, and run the script. See Importing VCB Registry Customizations, page 20-3.

4. Restart Prime Network.

To roll back all VCB extensions, see Deleting VCB Registry Customizations, page 20-4.

Viewing VCB Registry Customizations

To view registry changes to the site.xml file made with the VCB, enter the following command:

vcb sitechanges view -user *username* **-password** *password*

Here is an example of the **vcb sitechanges view** command output; this examples shows customizations that were made, including some event patterns, event parsing rules, and events.

```
ana371@servername [~/Main/registry/ConfigurationFiles]% vcb sitechanges view -user root
-password admin


>>>>>>>>>>>>>>>>>>>>Event Pattern<<<<<<<<<<<<<<<<<<<<<<<<<

Hive Name:cisco-syslog-ipcore-parsing-rules

Group: cisco-syslog-ipcore-parsing-rules

Pattern ID: 5004

    Rule Name: FWSM-5-713131

    Repository: cisco-syslog-repository

    User-defined: true

Pattern ID: 5005

    Rule Name: FWSM-4-109022
```

```
    Repository: cisco-syslog-repository

    User-defined: true


Hive Name:cisco-trap-product-parsing-rules

Group: cisco-trap-product-parsing-rules

Pattern ID: 5008

    Rule Name: STACKWISE-MEMBER-STATUS

    Repository: cisco-trap-repository

    User-defined: true

>>>>>>>>>>>>>>>>>>>Event Parsing Rules<<<<<<<<<<<<<<<<<<<<<<<<<

Hive Name:cisco-trap-repository

--------------------------------------------------------------------

RuleName                          Description

--------------------------------------------------------------------

STACKWISE-MEMBER-STATUS           STACKWISE-MEMBER-STATUS

--------------------------------------------------------------------

total rows in report: 1


Hive Name:cisco-syslog-repository

-----------------------------------------------------------

RuleName                        Description

-----------------------------------------------------------

FWSM-4-109022                   FWSM-4-109022

FWSM-5-713131                   FWSM-5-713131

-----------------------------------------------------------

total rows in report: 2


>>>>>>>>>>>>>>>>>>>>UVne<<<<<<<<<<<<<<<<<<<<<<<<<<<


>>>>>>>>>>>>>>>>>>>>Event<<<<<<<<<<<<<<<<<<<<<<<<<<<

*****

Event Name: stackwise status trap

    Alarm ID: 9061

    User Defined: true

    Subtype: stack member removed

        Severity: WARNING

        Short Description: Stack Member Removed

        Ticketable: true

        Auto Clear: true

    Subtype: stack member added

        Severity: CLEARED

        Short Description: Stack New Member

        Ticketable: false

        Auto Clear: false

*****

Event Name: DWDM fatal error 2 syslog
```

```
        Alarm ID: 1341

        User Defined: false

        Subtype: DWDM fatal error 2 syslog

            Severity: MAJOR

            Short Description: DWDM fatal error with reason and error number

            Ticketable: true

            Auto Clear: false
```

Exporting VCB Registry Customizations using the CLI

To export registry changes made by the VCB from the site.xml file, enter the following command:

vcb sitechanges export -user *username* **-password** *password*

This command exports VCB customizations from site.xml to a VCB command script file, VcbImportCommands.sh, located in *NETWORKHOME*/Main.

Exporting VCB Customizations using the GUI

You can export the customization that you performed for a network element in the Prime Network gateway and push it to other network elements in the same gateway using the VCB GUI.

To export customization:

Step 1 In the VCB tool, select the Events tab.

Step 2 Select the event you want to export the customization, and click **Export Customization**.

Step 3 Click **OK** in the confirmation message.

You can save the PDF of the customization file.

Importing VCB Registry Customizations

Step 1 After you export registry changes (see), copy the VcbImportCommands.sh file to the *NETWORKHOME*/Main folder on the Prime Network gateway on which you want to import the customizations.

Step 2 (Optional) Edit the VcbImportCommands.sh file and delete any customizations that you do not want to import. The commands of interest in the file start with **$VCBPATH** as shown in this example:

```
$VCBPATH eventpattern add  -rulename L2-DWDM-3-FATAL_2
-group cisco-syslog-ipcore-parsing-rules -repository cisco-router-iox-syslog-repository
-user $USER -password $PASS >> "$VCT_IMPORT_SCRIPT_LOG"
```

Step 3   Change permissions on the script to ensure that it is executable, by entering a command such as this one:

`chmod 755 VcbImportCommands.sh`

Step 4   Run the script from the *NETWORKHOME*/Main folder, by entering this command:

`VcbImportCommands.sh -user root -password admin`

Deleting VCB Registry Customizations

Step 1   Create a script file,VcbDeleteCommands.sh, in *NETWORKHOME*/Main by entering this command:

`vcb sitechanges delete -user` *username* `-password` *password*

Step 2   (Optional) To retain any specific customizations, edit the VcbDeleteCommands.sh file and remove any line that deletes a customization that you want to keep. The commands of interest in the file start with **$VCBPATH** as shown in this example:

`$VCBPATH eventpattern delete -group cisco-syslog-ipcore-parsing-rules -patternid 5001 -user $USER -password $PASS >> "$VCT_IMPORT_SCRIPT_LOG"`

Step 3   Change permissions on the script to ensure that it is executable, by entering a command such as this one:

`chmod 755 VcbDeleteCommands.sh`

Step 4   Run the script from the *NETWORKHOME*/Main folder, by entering this command:

`VcbDeleteCommands.sh -user root -password admin`

Related Topic

Rolling Back VCB Customizations

Customizations using the VCB affect VNE drivers and update the Prime Network registry in a safe manner. The VCB enables you to roll back easily; you can remove:

• All VCB customizations with one command, restoring your system to a factory-defined state.

• Selective VCB customizations, using one command per customization that you want to remove.

Because VCB customizations are carried forward during an upgrade to a new version of Prime Network, your customizations continue to override any new or updated VNE drivers or newly supported events and modules. The ability to remove changes selectively enables you to discontinue particular overrides only and take advantage of any newly added support.