



NORTEL

Nortel Visualization Performance and Fault Manager

Installation

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In this release

This is the initial release of the Visualization Performance and Fault Manager (VPFM) application. This document contains information about installing VPFM.

- ["Features" \(page 5\)](#)
- ["Other information" \(page 5\)](#)

Features

This is the first release of Visualization Performance and Fault Manager (VPFM).

The following platforms support VPFM:

- Windows Server 2003 R2
- Red Hat Enterprise Linux 5.2

Other information

See the following section for information about changes that are not feature related:

Multimedia content

Some conceptual and procedural topics covered in the documentation are now available in a multimedia format. Links to the multimedia content are provided contextually in the documentation.



"WATCH THE VIDEO" identifies a link to multimedia content.

Introduction

This guide describes how to install Visualization Performance and Fault Manager (VPFM) on Windows and Linux platforms.

Prerequisites

- Ensure your system meets the requirements to install VPFM:
 - 1 GB of available RAM (minimum). This is sufficient for discovering up to 5,000 devices. Add an extra 1GB of RAM for every 5,000 additional devices.
 - 1 GB of available hard disk space (minimum).
 - Pentium 4 or equivalent processor (minimum).
 - 10 Mbit network access (minimum).
 - TCP/IP Network protocols.
 - Monitor capable of displaying 256 colors or greater.

Navigation

- ["Fundamentals" \(page 9\)](#)
- ["Installation of VPFM" \(page 11\)](#)
- ["Uninstallation of VPFM" \(page 19\)](#)

Fundamentals

This section provides basic information about the installation process of Visualization Performance and Fault Manager (VPFM) of the Unified Communications Management.

Navigation

- ["Installation process" \(page 9\)](#)
- ["License process" \(page 9\)](#)
- ["Uninstallation process " \(page 10\)](#)

Installation process

You install VPFM using a wizard based installer. You can download the VPFM software from www.nortel.com (login required) in both Windows and Linux versions.

Unified Communications Management (UCM) is installed at the same time as VPFM and provides the common platform with which to integrate VPFM with other UCM applications such as Network Resource Manager (NRM) and Enterprise Policy Manager (EPM).

For more information about installing VPFM software, see ["Installation of VPFM" \(page 11\)](#).

License process

The VPFM licensing policy is based on the number of managed nodes. Following is the list of license types supported for VPFM:

- Evaluation License
- Base License
- Incremental License
- Enterprise License

See the following table for a description of license types. The license types and number of nodes managed are identical for VPFM and VPFM-Lite.

License	Nodes Managed	Max. Licenses	Max. Nodes Managed
Base	Up to 500 Managed Objects (MO)	1	500
Incremental	2000 Incremental MO	10	20,500
Enterprise	Up to 20,000 MO	1	20,500

For information about obtaining a license, see ["Obtaining the license file"](#) (page 16).

Uninstallation process

You uninstall VPFM using the wizard based installer.

For more information about uninstalling VPFM, see ["Uninstallation of VPFM"](#) (page 19).

Installation of VPFM

This section describes how to install the Visualization Performance and Fault Manager (VPFM) on the Windows and Linux platform.

Navigation

- ["Installing VPFM on Windows" \(page 11\)](#)
- ["Installing VPFM on Linux" \(page 14\)](#)
- ["Obtaining the license file" \(page 16\)](#)

Installing VPFM on Windows

Use the following procedure to install VPFM on a Windows platform.

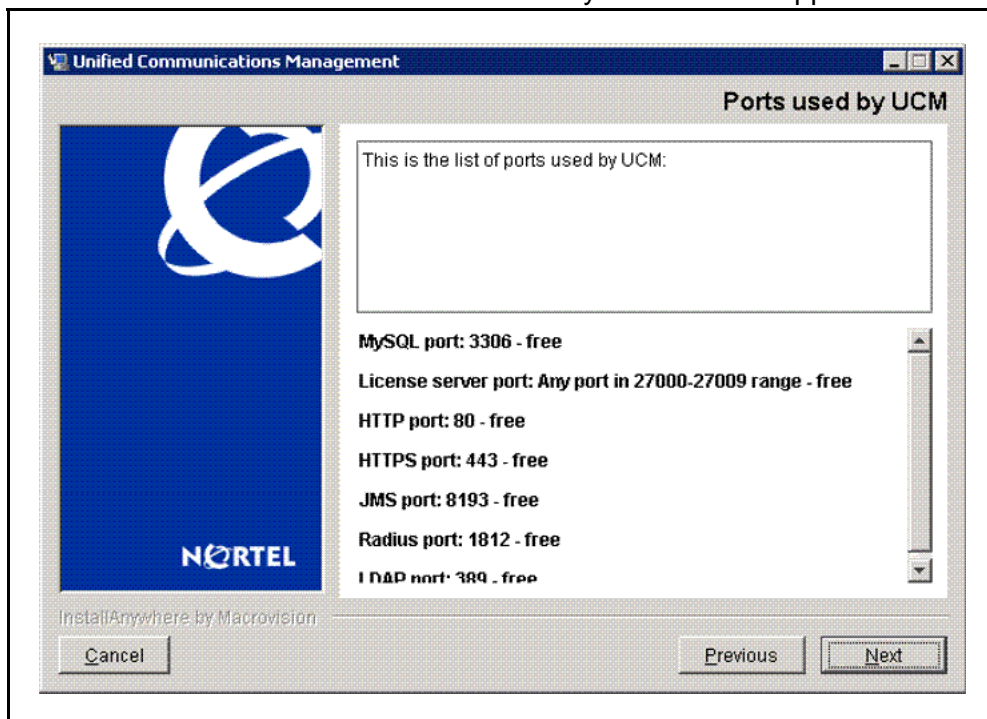
Prerequisites

- Ensure that you have logged on to the server platform as an Administrator or as a user with Administrative privileges to install VPFM on a Windows platform.
- The server must have a hard disk labelled C: or the install will fail.

Procedure Steps

Step	Action
1	Insert the VPFM Installation DVD into the DVD tray. An Introduction screen appears.
2	From the Introduction screen, click Next . An End User License Agreement screen appears.
3	From the License Agreement screen select I Accept The Terms Of The License Agreement option.
4	Click Next . The Choose Install Folder screen appears.
5	From the Choose Install Folder screen, specify the destination folder path for installation.

- 6 Click **Next**.
The Choose Link Folder screen appears.
- 7 Select the desired shortcut option.
- 8 Click **Next**.
The License file and port choice screen appears.
- 9 Specify the destination folder path for the License File.
- 10 Enter the HTTPS port for VPFM server web requests.
- 11 Click **Next**.
The Ports used by UCM screen appears.



- 12 Review the list of ports and ensure that all required ports are available.
The required ports are hard coded and cannot be edited. You will have to manually check that all ports are available.
- 13 Click **Next**.
The Choose UCM folder screen appears.
- 14 Specify the destination folder path for UCM.
- 15 Click **Next**.
The Database and Application Server configuration screen appears.

- 16 Specify the destination folder path for the Database install folder and Application Server install folder.
- 17 Click **Next**.

The Set Administrative Password screen appears.

- 18 In the **UCM password** field, enter your new password.
Passwords must be a minimum of eight characters with at least one lower case letter, at least one upper case letter, and at least one special character.
- 19 In the **Retype password** field confirm your new password by reentering it.
- 20 Click **Next**.
A Pre-Installation Summary screen appears.
- 21 From the Pre-Installation Summary screen, review the installation options you have selected.
- 22 Click **Next**.
- 23 Click **Install** to start the installation process.
The Installing Visualization Performance and Fault Manager screen appears displaying the installation process as it progresses.
- 24 After the completion of the installation process, the Install Complete screen appears.

- 25 Click **Done** to complete the installation process.

--End--

Installing VPFM on Linux

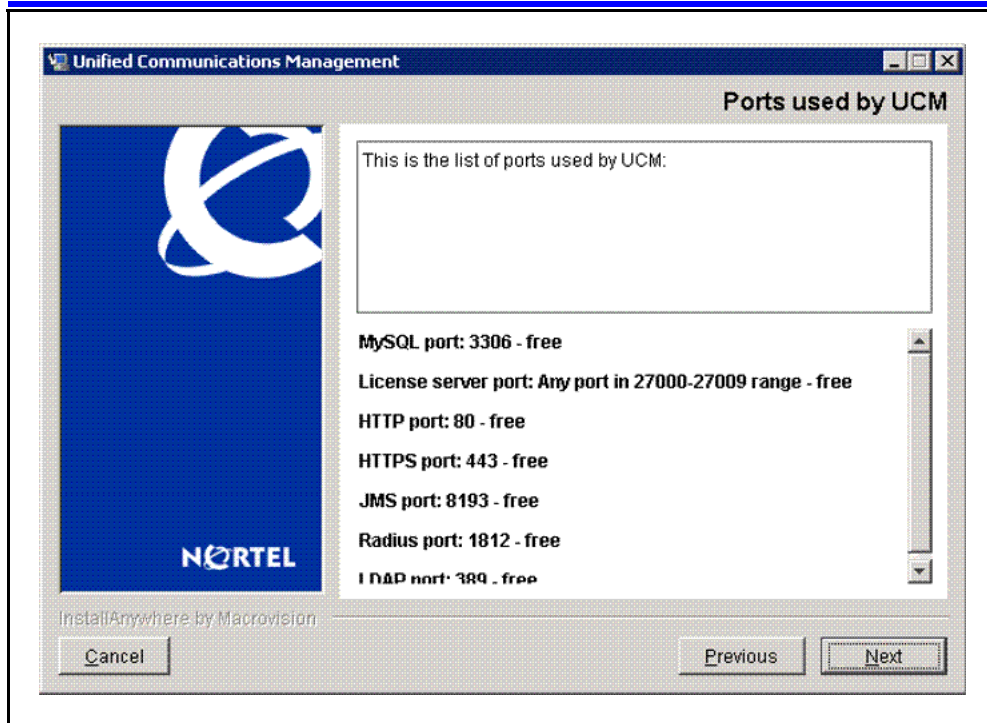
Use the following procedure to install VPFM on a Linux platform.

Prerequisites

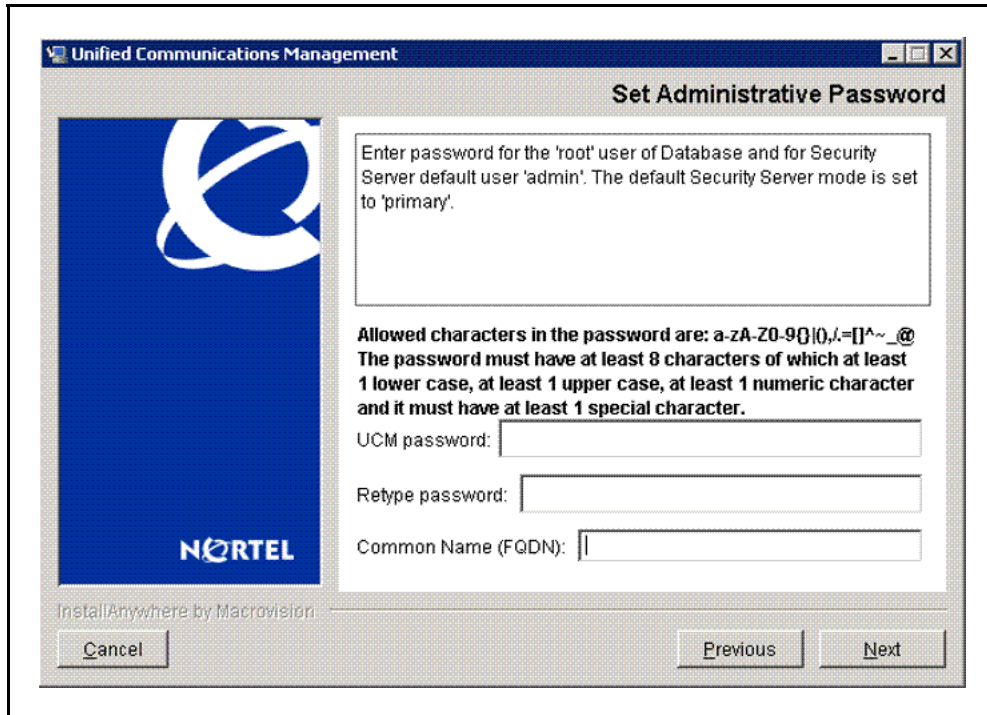
- Ensure that you have logged on to the server platform as root to install VPFM on Linux platform.

Procedure Steps

Step	Action
1	Run the VPFM installer .BIN file from the command line. An Introduction screen appears.
2	From the Introduction screen, click Next . An End User License Agreement screen appears.
3	From the License Agreement screen, select I Accept The Terms Of The License Agreement option.
4	Click Next . The Choose Install Folder screen appears.
5	From the Choose Install Folder screen, specify the destination folder path for installation. The default path is <i>opt/nortel/ucm/vpfm</i> .
6	Click Next . The Choose Link Folder screen appears.
7	Select the desired shortcut option.
8	Click Next . The License file and port choice screen appears.
9	Specify the destination folder path for the License File.
10	Enter the HTTPS port for VPFM server web requests.
11	Click Next . The Ports used by UCM screen appears.



- 12 Review the list of ports and ensure that all required ports are available.
The required ports are hard coded and cannot be edited. You must manually check that all ports are available.
- 13 Click **Next**.
The Choose UCM folder screen appears.
- 14 Specify the destination folder path for UCM.
- 15 Click **Next**.
The Database and Application Server configuration screen appears.
- 16 Specify the destination folder path for the Database install folder and Application Server install folder.
- 17 Click **Next**.
The Set Administrative Password screen appears.



- 18 In the **UCM password** field, enter your new password.
Passwords must be a minimum of eight characters with at least one lower case letter, at least one upper case letter, and at least one special character.
- 19 In the **Retype password** field, confirm your new password by reentering it.
- 20 Click **Next**.
A Pre-Installation Summary screen appears.
- 21 From the Pre-Installation Summary screen, review the installation options you have selected.
- 22 Click **Next**.
- 23 Click **Install** to start the installation process.
The Installing Visualization Performance and Fault Manager screen appears displaying the installation process as it progresses.
- 24 After the completion of the installation process, the Install Complete screen appears.
- 25 Click **Done** to complete the installation process.

--End--

Obtaining the license file

Perform the following procedure to obtain a VPFM license.

Prerequisites

- You require the License Activation Code (LAC) for the software you want to license (provided by Nortel at purchase).
- You require the MAC address of the server where the VPFM components reside.
- You require the name and password to the license bank if you want to deposit the license into an existing license bank.

WATCH THE VIDEO 

[Click here to view a multimedia demonstration about obtaining and installing a VPFM license file http://www31.nortel.com/webcast.cgi?id=8003](http://www31.nortel.com/webcast.cgi?id=8003)

Procedure Steps

Step	Action
1	Open a Web browser window and go to the Electronic Licensing Portal : www.nortellicensing.com .
2	Type your first name, last name, company name, and e-mail address in the appropriate fields at the top of the page.
3	In the License Bank area, specify the name and password for an existing license bank where you want to deposit.
4	Specify your e-mail notification options.
5	In the Submit field at the bottom of the page, type your LAC.
6	Click the Activate License . The system deposits a license in your License Bank and sends a message to the e-mail address specified in step 4 to confirm that the license was created.
7	Log on to your license bank using the name and password specified in step 3.
8	Click Download .
9	On the Generate License page, type the MAC address for the server where the VPFM components reside. Use capital letters, separated by colons (XX:XX:XX:XX:XX:XX).
10	Click Create License File . A confirmation message informs you that the license was created. The system sends a license (.lic) file to the e-mail address specified in step 4.
11	Copy the license file to the server location where the VPFM components reside.

- 12** Store your License Certificate in a secure place for future reference.

--End--

Uninstallation of VPFM

This section describes how to uninstall the Visualization Performance and Fault Manager (VPFM) on the Windows and Linux platform.

During uninstallation, you can remove the VPFM application and delete all application data and databases.

Attention: Nortel highly recommends that you backup the data prior to uninstalling the application.

Navigation

- ["Uninstalling VPFM on the Windows platform" \(page 19\)](#)
- ["Uninstalling VPFM on a Linux platform" \(page 21\)](#)

Uninstalling VPFM on the Windows platform

Use the following procedure to uninstall VPFM on a Windows platform.

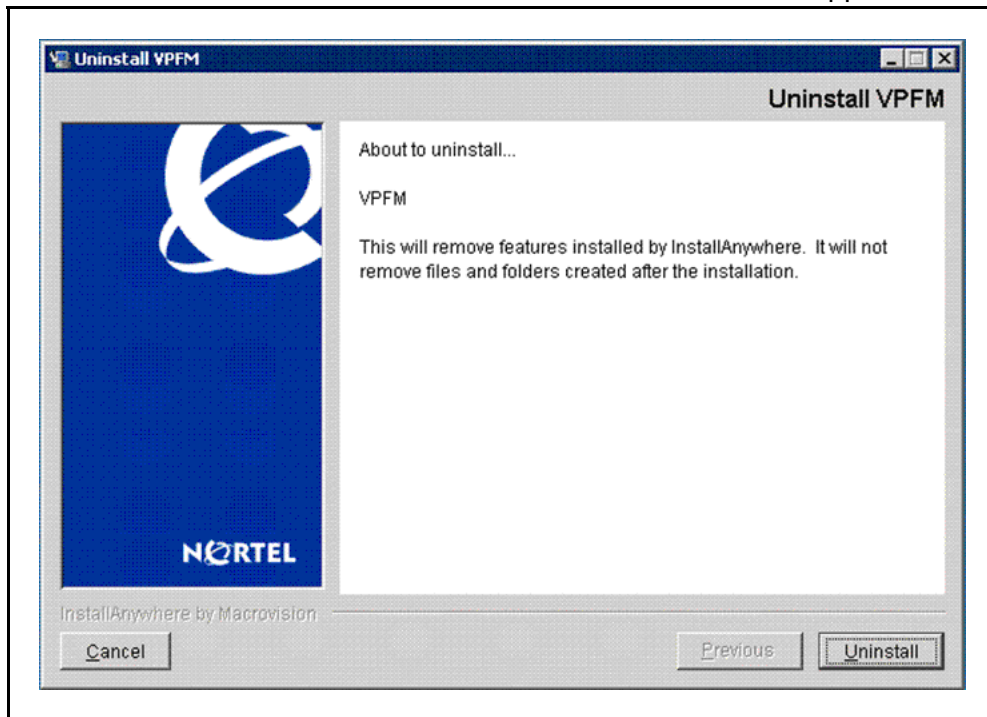
Prerequisites

- Before you begin to uninstall VPFM, close all UCM applications.
- Log on to the server platform as an Administrator or as a user with Administrative privileges to uninstall VPFM without backup on Windows platform.

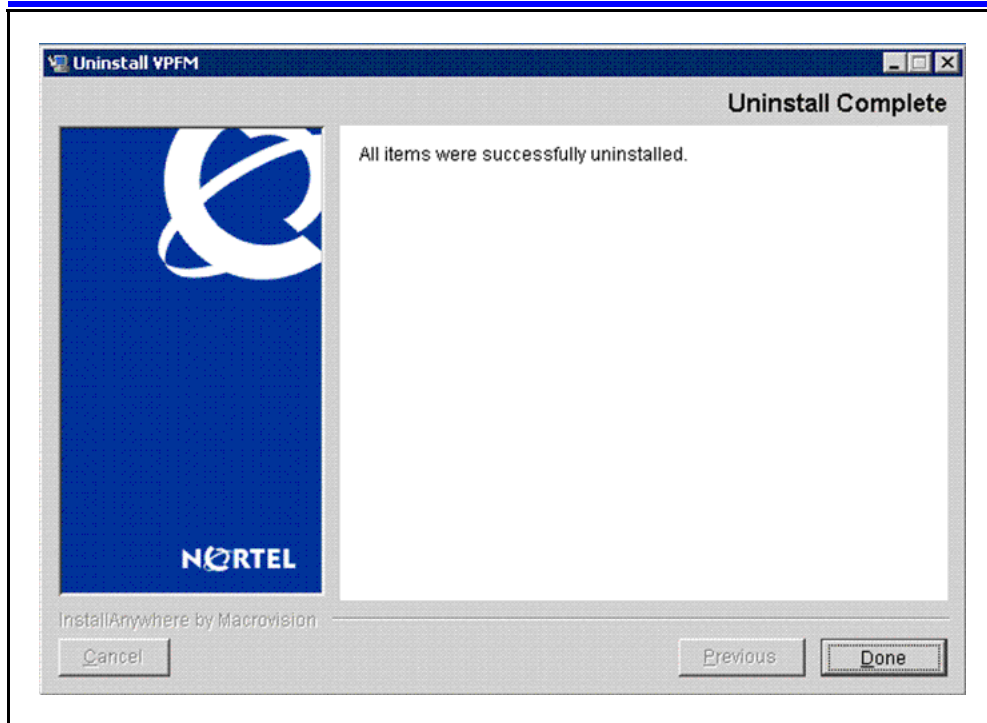
Procedure Steps

Step	Action
1	Navigate to Start Menu>Programs>Nortel>UCM>VPFM>Uninstall Nortel VPFM.
2	Double click the Uninstall_VPFM executable to launch the uninstaller.

The Uninstall Nortel VPFM screen appears.



- 3 Click **Uninstall** to begin the uninstallation process.
The uninstallation process takes several minutes.
- 4 Click **Done** to complete the uninstallation process.



--End--

Uninstalling VPFM on a Linux platform

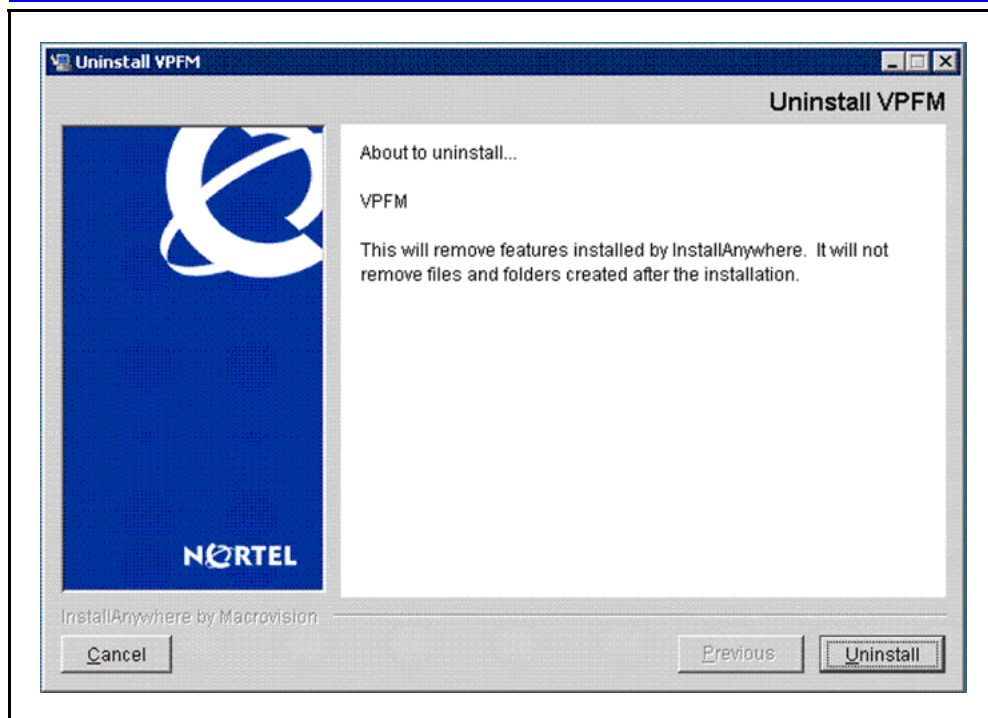
Use the following procedure to uninstall VPFM on a Linux platform.

Prerequisites

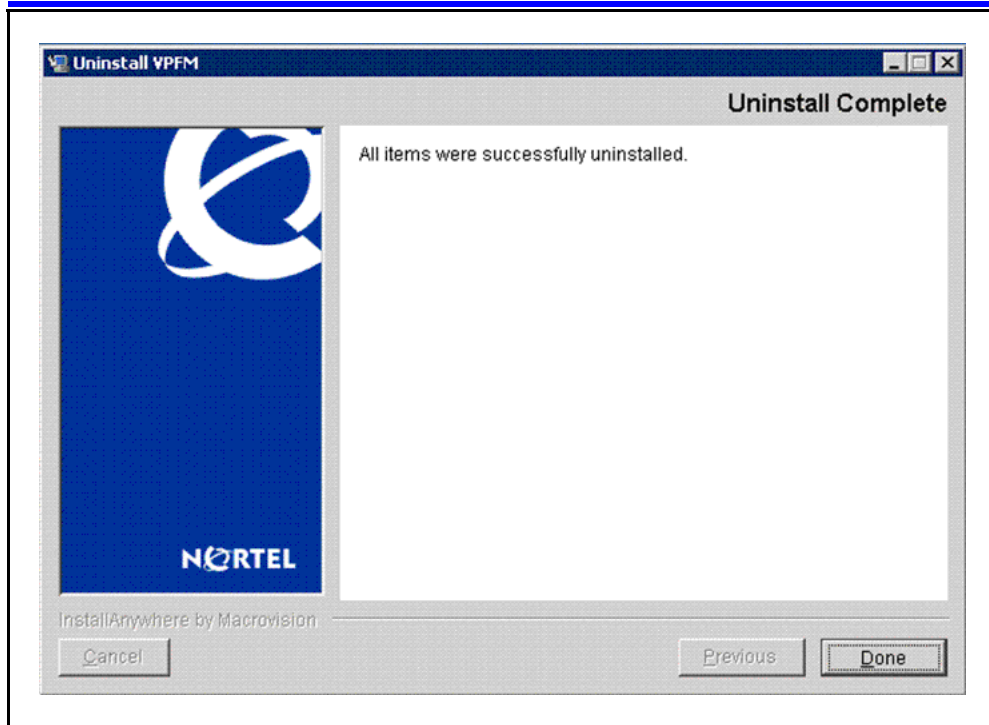
- Before you begin to uninstall VPFM, close all UCM applications.
- Log on to the server platform as an Administrator or as a user with Administrative privileges to uninstall VPFM without backup on a Linux platform.

Procedure Steps

Step	Action
1	From the Command prompt, run <code>./<VPFM_HOME>/Uninstall_VPFM/Uninstall_VPFM</code> . The default path set by the VPFM installer is <code>/opt/Nortel/UCM/VPFM/</code> .
2	Double click the <code>Uninstall_VPFM</code> executable to launch the uninstaller. The Uninstall Nortel VPFM screen appears.



- 3 Click **Uninstall** to begin the uninstallation process.
The uninstallation process takes several minutes.
- 4 Click **Done** to complete the uninstallation process.



--End--

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