

## Getting Started with Volera Excelerator 2.2

## **Legal Notices**

Volera, Inc. makes no representations or warranties with respect to the contents or use of this documentation, and specifically disclaims any express or implied warranties of merchantability or fitness for any particular purpose. Further, Volera, Inc. reserves the right to revise this publication and to make changes to its content, at any time, without obligation to notify any person or entity of such revisions or changes.

Further, Volera, Inc. makes no representations or warranties with respect to any software, and specifically disclaims any express or implied warranties of merchantability or fitness for any particular purpose. Further, Volera, Inc. reserves the right to make changes to any and all parts of Volera software, at any time, without any obligation to notify any person or entity of such changes.

This product requires export authorization from the U.S. Department of Commerce prior to exporting from the U.S. or Canada.

Copyright © 1997-2002 Volera, Inc. All rights reserved. No part of this publication may be reproduced, photocopied, stored on a retrieval system, or transmitted without the express written consent of the publisher.

U.S. Patent Nos. 5,870,739; 5,873,079; 5,884,304, 6,330,605. U.S. and Foreign Patents pending.

Volera, Inc.  
2211 North First Street  
San Jose, CA 95131-2021  
U.S.A.

[www.volera.com](http://www.volera.com)

Getting Started  
May 1, 2002

## **Volera Trademarks**

Volera is a trademark of Volera, Inc. in the United States and other countries.

## **Third-Party Trademarks**

Third-party trademarks are indicated by asterisks (\*) and are the property of their respective owners.

# Contents

<b>Overview</b>	<b>1</b>
About the Volera Excelerator Products . . . . .	1
Excelerator 2.2 . . . . .	1
Media Excelerator 1.2 . . . . .	2
Secure Excelerator 1.2 . . . . .	2
About the System CD . . . . .	2
About the Documentation/Upgrade CD . . . . .	2
Where to Go from Here . . . . .	3
<b>Accessing the Product Documentation</b>	<b>5</b>
<b>Upgrading to Excelerator 2.2</b>	<b>7</b>
Backing Up the Cache Device Configuration . . . . .	7
Upgrading the Cache Device. . . . .	8
Removing Existing Product Licenses . . . . .	9
<b>Installing on Volera-Approved Hardware</b>	<b>11</b>
Identifying the IP Address Information . . . . .	11
Installing the Excelerator 2.2 Product Package . . . . .	12
Initializing the Cache Device for Your Network . . . . .	13
Initializing the Device Using the GUI Wizard . . . . .	13
Initializing the Device Using the Command Line Wizard . . . . .	14

Initializing the Device from the Command Line. . . . .	15
Installing Product Licenses. . . . .	16
Configuring System Services. . . . .	16
<b>Installing Excelerator Add-on Products</b>	<b>19</b>
<b>Activating Your Excelerator Products</b>	<b>21</b>
Understanding Product Activation Licenses . . . . .	21
Installing Your Activation Licenses from Floppy Disk . . . . .	22
Installing the Activation License Using FTP . . . . .	23
Backing Up Excelerator Licenses . . . . .	24
<b>Downloading Updates and Patches</b>	<b>25</b>
<b>Managing Your Excelerator Products</b>	<b>27</b>
Using the Browser-Based Management Tool . . . . .	28
Using the Command Line Interface (CLI) . . . . .	29

# Overview

NOTE: The term *cache device* as used in this guide refers to both appliances from Volera partners as well as Volera-approved hardware, including server-class machines.

This booklet contains the following information:

- ◆ Instructions for installing the Volera™ Excelerator 2.2 product package, which includes Excelerator add-on products
- ◆ Instructions for obtaining the licenses and software downloads required to activate the products
- ◆ References to other instructions that are needed for setting up the cache device and system services

For technical support for this and other Volera products, go to the [Volera support Web site \(http://www.volera.com/support\)](http://www.volera.com/support).

## About the Volera Excelerator Products

### Excelerator 2.2

Excelerator 2.2 increases the efficiency of Web servers by an order of magnitude to improve the Web site experience and enhance users' on-line productivity.

## Media Excelerator 1.2

Media Excelerator 1.2 improves the distribution and the delivery of streaming content, increasing the Web site experience and enhancing the user's online productivity.

## Secure Excelerator 1.2

Secure Excelerator 1.2 dynamically secures and accelerates your most important on-line transactions.

## About the System CD

Your package contains the *Volera Excelerator 2.2 System CD*. This installs the Excelerator 2.2 products on Volera-approved hardware. For a list of approved hardware, go to the [Volera Web site \(http://www.volera.com/support/hardware\)](http://www.volera.com/support/hardware).

WARNING: Your system CD contains software that automatically installs the Excelerator 2.2 product and erases all other data in the process. For this reason it should never be inserted in a workstation's CD drive.

## About the Documentation/Upgrade CD

The *Volera Excelerator 2.2 Documentation/Upgrade CD* contains documentation as well as upgrade files for the Excelerator 2.2, Media Excelerator 1.2 and Secure Excelerator 1.2 products.

## Where to Go from Here

The following table summarizes tasks you might want to perform while installing and configuring Excelerator 2.2 products:

To	Use these Instructions
Upgrade to Excelerator 2.2	<a href="#">“Upgrading to Excelerator 2.2” on page 7.</a>
Install the Excelerator 2.2 product package on Volera-approved hardware	<a href="#">“Installing on Volera-Approved Hardware” on page 11.</a>
Install the Media Excelerator and Secure Excelerator add-on products	<a href="#">“Installing Excelerator Add-on Products” on page 19</a>
Activate your Excelerator products	<a href="#">“Activating Your Excelerator Products” on page 21</a>
Access the documentation	<a href="#">“Accessing the Product Documentation” on page 5</a>

IMPORTANT: All Excelerator 2.2 products require new product activation licenses.

To activate your product and other add-ons, see [“Activating Your Excelerator Products” on page 21](#).

# Accessing the Product Documentation

IMPORTANT: The latest Excelerator documentation is found on the [Volera Documentation Web site \(http://www.volera.com/doc/english/ex22\)](http://www.volera.com/doc/english/ex22).

We strongly recommend you review the latest information in the Release Notes on the Web prior to installing Excelerator 2.2 or upgrading your cache devices to this product release.

After installing or upgrading your cache devices, you can access the Web-based documentation by clicking Help in the browser-based management tool.

For your convenience, we also provide static documentation on the *Excelerator 2.2 Documentation and Upgrade* CD. This CD will autolaunch on most Microsoft Windows\* workstations.

To manually access the documentation on the CD, do the following:

- 1 Start a Web browser, such as Microsoft Internet Explorer 5.5 on your workstation.
- 2 Click File > Open > Browse.
- 3 Browse to the DOC directory on the *Volera Excelerator 2.2 Documentation and Upgrade* CD and open the INDEX.HTM file.
- 4 Click the links for the documents you want to access.



# Upgrading to Excelerator 2.2

IMPORTANT: Before upgrading, you should be aware of the following:

We strongly recommend you review the Excelerator 2.2 Release Notes on the [Volera Documentation Web site \(http://www.volera.com/doc/english/ex22\)](http://www.volera.com/doc/english/ex22) prior to upgrading your cache devices. This document contains final instructions for upgrading your cache devices, including any tips developed after Volera sent the 2.2 product to the manufacturer.

After you upgrade a cache device, you must install new Excelerator 2.2 licenses before proxy services will be available again. For more information, see [“Activating Your Excelerator Products” on page 21](#).

## Backing Up the Cache Device Configuration

Complete the following instructions for each cache device.

- 1 Place a blank, formatted diskette in the cache device’s floppy drive.
- 2 In the browser-based management tool, click System > Import/Export. (For help, see [“Using the Browser-Based Management Tool” on page 28](#).)
- 3 Under Export Configuration File to Floppy, type an eight-character, alphanumeric name for the configuration file.
- 4 Click Export To.

The cache device's current configuration is saved to a file with the name you specified.

For example, if you specified CONFIG1 as the filename, the configuration is saved to a file named CONFIG1.NAS on the floppy disk. (The .NAS extension is automatically appended to the name you specify and tells the cache device that the file contains Exceleator configuration information.)

- 5 Ensure the cache device backup system image is current by clicking System > Actions > Update Clone > Update Clone.

This will restart your appliance.

If you get a message stating that the Update Clone command cannot be performed, you will still need to restart the appliance manually before continuing with the upgrade.

## Upgrading the Cache Device

**IMPORTANT:** The Exceleator 2.2 Release Notes on the [Volera Documentation Web site \(http://www.volera.com/doc/english/ex22\)](http://www.volera.com/doc/english/ex22) contain final instructions for upgrading your cache devices, including any tips developed after Volera sent the product to the manufacturer.

To access these release notes, see [“Accessing the Product Documentation” on page 5](#).

The following are general instructions only.

Complete the following instructions for each file listed in the release notes.

- 1 Start the browser-based management tool. (See “Using the Browser-Based Management Tool” on page 28.)
- 2 Open the cache device’s CD tray and insert the *Excelerator 2.2 Documentation and Upgrade CD*.
- 3 In the browser-based management tool, click System > Upgrade.
- 4 Check Enable Download.
- 5 In the Install from URL field, type the file path described in the release notes.
- 6 Click the Download Time drop-down list > select the time you want the download to occur > check Enable Install.
- 7 Click the Install Time drop-down list > select the time you want the upgrade to be installed.
- 8 Click Apply.

The upgrade process always restarts the cache device, temporarily disconnecting the browser-based management tool.

## Removing Existing Product Licenses

Before installing licenses for upgraded products, you need to remove any existing licenses.

To remove licenses, complete the following steps:

- 1 To list the licenses installed on a device, enter the following at the system prompt:

```
get license
```

- 2 Remove all license files by entering the following command for each file listed:

```
remove license = licensename
```

where *licensename* is one of the license filenames listed.

- 3 *Do not restart the device* even though the system prompts you to. Restarting will cause all services that no longer have valid licenses installed to be automatically removed from the device.

IMPORTANT: Your cache device's configuration settings should be unaffected by the upgrade process, providing you do not restart the device prior to installing new license files for all services.

If you need to restore the device configuration, you can use the configuration backup file created in [“Backing Up the Cache Device Configuration” on page 7](#).

- 4 Install new licenses using the instructions that start with [“Understanding Product Activation Licenses” on page 21](#).

# Installing on Volera-Approved Hardware

You can install the Excelerator 2.2 product package on Volera™-approved hardware. For a current list of hardware, see the [Volera Web site \(http://www.volera.com/support/hardware/index.html\)](http://www.volera.com/support/hardware/index.html).

NOTE: The term *cache device* refers to Volera-approved hardware, including server-class machines.

## Identifying the IP Address Information

To install the cache device on your network you will need the following for each network card:

- ◆ One or more IP addresses
- ◆ The subnet masks associated with the IP addresses
- ◆ The IP address of the gateway on the subnet

NOTE: The Excelerator system requires that each subnet be assigned to only one network card.

You will also need the following DNS information:

- ◆ The IP address of a DNS server on the network
- ◆ The DNS domain name of your network

## Installing the Excelerator 2.2 Product Package

**WARNING:** This process reformats the cache device's hard drives. All data on the cache device will be overwritten.

- 1** If the cache device has been used previously and contains data that should be preserved, back up the data to another location.
- 2** Open the cache device's CD tray and insert the *Excelerator 2.2 System* CD.
- 3** Turn the cache device's power switch off, wait a few seconds, then turn the cache device back on.

The CD automatically images the system hard drives, restarting at least twice during the process. The entire process can take 30 minutes or longer to complete.

- 4** To configure your network settings at this time,
  - 4a** Make sure you have determined the necessary configuration information listed in **“Identifying the IP Address Information” on page 11.**
  - 4b** Then start either the GUI or CLI wizard by typing one of the commands shown on your monitor.

**IMPORTANT:** If you run the GUI wizard, when it prompts you to insert the license diskette and click the License button, ignore these instructions. License installation through the wizard is not functional.

- 5 After all disk activity ceases and the system prompt appears, remove the System CD and enter the following:

**shutdown**

- 6 When a repeating beep sequence starts, turn the power switch off, wait briefly, then turn the cache device back on.
- 7 If you configured the device's network settings using one of the wizards in [Step 4 on page 12](#), skip to [“Installing Product Licenses” on page 16](#). Otherwise, continue with [Initializing the Cache Device for Your Network](#).

## Initializing the Cache Device for Your Network

NOTE: If you used the setup wizard during the installation process, you should skip this section and continue with [“Installing Product Licenses” on page 16](#).

After the Excelerator 2.2 product package is installed, you must configure the cache device to begin communicating on your network. To do this, you can use one of two setup wizards, or you can configure the device from the command line.

### Initializing the Device Using the GUI Wizard

To configure the device using the GUI setup wizard, do the following:

- 1 Enter the following command:  
**wizard**
- 2 Follow the instructions on each configuration screen, entering the information requested until you get to the license installation screen.
- 3 License installation through the wizard is not functional. Therefore, do not insert the license diskette or click the License button. Rather, click Next > Finish.
- 4 When Completed Execution of Setup appears, continue with **“Installing Product Licenses”** on page 16.

## Initializing the Device Using the Command Line Wizard

To configure the device using the command line wizard, do the following:

- 1 Enter the following command:  
**consolewizard**
- 2 Follow the instructions at each configuration prompt, entering the information requested.
- 3 After entering the Default Gateway IP address, the system responds that the wizard has successfully completed and requests that you wait for the system configuration update.

- 4 When Completed Execution of Setup appears, continue with “[Installing Product Licenses](#)” on page 16.

## Initializing the Device from the Command Line

To configure your network settings using the command line, complete the following steps:

- 1 At the system prompt, enter an IP address and subnet mask for the network adapter through which you will administer the cache device using the following command:

```
set eth#  
    address=iii.iii.iii.iii,mask=mmm.mmm.mmm.mmm
```

where # is the number of the network card, *i* is the IP address assigned to the card, and *m* is the subnet mask for the IP address on the network.

- 2 Enter the DNS server and domain information using the following commands:

```
set dns server=ddd.ddd.ddd.ddd  
set dns domain=xxxxx.xxxxx.xxx
```

where *d* is the IP address of the DNS server and *x* is the name of the domain where the device resides.

- 3 Enter the default gateway IP address using the following command:

```
set gateway nexthop=ggg.ggg.ggg.ggg
```

where *g* is the IP address of the default gateway for the network card's IP address.

- 4 Apply the configuration using the following command:

```
apply
```

- 5 Continue with **Installing Product Licenses** below.

## Installing Product Licenses

Before you can configure system services on your cache device, you must install your product licenses.

Complete the instructions in **“Activating Your Exceleator Products”** on page 21. Then return here and continue with **Configuring System Services** below.

## Configuring System Services

After you have activated your Exceleator products, complete the following steps to configure services on your cache device.

- 1 Run the browser-based management (see **“Using the Browser-Based Management Tool”** on page 28).
- 2 Use the information and instructions in the *Exceleator 2.2 Administration Guide* to set up basic cache device services.

- 
- 
- 3** Use the instructions in the Media Excelerator and Secure Excelerator administration guides to set up other services.



# Installing Excelerator Add-on Products

Excelerator 2.2 includes the following add-on products:

- ◆ **Secure Excelerator:** Volera™ Secure Excelerator is an add-on for the Excelerator platform that dynamically secures and accelerates your most important online transactions.
- ◆ **Media Excelerator:** The Volera Media Excelerator products manage and accelerate the delivery of stored media objects. Volera provides Media Excelerators for:
  - ◆ Microsoft Windows Media
  - ◆ RealSystem Proxy 8
  - ◆ Apple QuickTime (no separate license required)

Add-on products are automatically installed with Excelerator 2.2. However, you need to activate them with the appropriate licenses as explained in [“Activating Your Excelerator Products” on page 21](#).

To purchase activation licenses, contact Volera using one of the following methods:

- ◆ Call toll-free 1-800-219-1800.
- ◆ Send e-mail to [sales@volera.com](mailto:sales@volera.com).

- ◆ Visit the [Volera Sales Web page \(http://www.volera.com/products/howtobuy.html\)](http://www.volera.com/products/howtobuy.html).

# Activating Your Excelerator Products

Each Volera™ Excelerator product requires an activation license.

## Understanding Product Activation Licenses

You should have received a license file on a floppy disk with each Excelerator, Media Excelerator, and Secure Excelerator product you have purchased. Excelerator product licenses have .LIC filename extensions.

If you did not receive the appropriate license file(s), please contact Volera Customer Service at 1-800-587-2900 in the U.S.A. or 1-800-4686-5372 internationally.

If you have direct access to the cache device, you can use the floppy disk and the command line interface to install the activation license. See the instructions in [“Installing Your Activation Licenses from Floppy Disk” on page 22.](#)

You can also use an FTP connection to install the activation license. See the instructions in [“Installing the Activation License Using FTP” on page 23.](#)

## Installing Your Activation Licenses from Floppy Disk

Complete the following steps for each license diskette you received with the Excelerator products you purchased for your cache device:

- 1 Insert a license floppy disk in the cache device's floppy disk drive.
- 2 At the system prompt, enter:

```
importlicense floppy
```

All licenses on the diskette will be imported into Excelerator, enabling the products to which the licenses apply.

- 3 Remove the diskette and store it in a safe location.
- 4 If you have add-on product licenses on other diskettes, install them by repeating the process starting with **Step 1**.
- 5 After installing the licenses for all of the services you will run on the device, including Excelerator add-on products, enter the following at the system prompt:

```
restart
```

You will need to restart your appliance before the licenses will take effect. After the cache device restarts, continue with **“Backing Up Excelerator Licenses” on page 24**.

## Installing the Activation License Using FTP

If you have not used an FTP connection to manage your cache device, you should review the information in the *Exceclerator 2.2 Administration Guide* > Using and Tuning Cache Device Features > FTP Services before continuing.

Complete the following steps:

- 1 Launch your FTP application and enter a cache device IP address that is enabled for FTP access.

Instructions for enabling FTP access are in the *Exceclerator 2.2 Administration Guide* > Using and Tuning Cache Device Features > FTP Services > Setting Up Cache Device FTP Services.

- 2 Log into the cache device using the Config username.

If you have set a Config username password, enter it when prompted. Otherwise, press Enter.

- 3 FTP the license files for all the products you will run on the device, including add-on products, from your workstation to the cache device's default directory.
- 4 Access the cache device system console via Telnet.
- 5 At the system prompt, enter:

```
importlicense
```

6 Restart the cache device by doing one of the following:

- ◆ At the system prompt, enter:

```
restart
```

Or

- ◆ Start the browser-based management tool and click System > Actions > Restart > Restart.

When the cache device restarts, continue with **Backing Up Excelerator Licenses**.

## Backing Up Excelerator Licenses

You should always save your license files on a diskette or hard drive in case you need to reinstall them.

You can export the license files on your cache device at any time by completing the following steps:

- 1 Insert a blank, formatted floppy disk in the cache device's diskette drive.
- 2 At the system prompt, enter:

```
exportlicense floppy
```

- 3 When floppy drive activity ceases, remove the diskette and store it in a safe location.

# Downloading Updates and Patches

Volera™ periodically provides updates and patches on the [Volera Web site \(http://www.volera.com/support/index.html\)](http://www.volera.com/support/index.html) to customers with active support agreements.

For more information on Volera's product support options, see the [Volera Support Web site \(http://www.volera.com/support/global\)](http://www.volera.com/support/global).

As you download and install updates and patches, be sure to carefully follow the instructions provided with the download.



# Managing Your Exceleator Products

Volera recommends you use the Velocity Management Suite to manage multiple Exceleator 2.2 cache devices.

System Controller lets you manage a cache device or a group of devices at the same time, providing more effective management of your entire network.

Content Controller lets you preposition and manage content on your entire network.

For more information on the management suite, visit the [Volera Product Web site \(http://www.volera.com/products/velocity\)](http://www.volera.com/products/velocity).

Exceleator 2.2 comes with a browser-based management tool you can use to:

- ◆ Initialize Exceleator 2.2 to communicate on your network.
- ◆ Configure Exceleator 2.2, Media Exceleator 1.2, and Secure Exceleator 1.2 to begin providing the services you need.
- ◆ Maintain the Exceleator product configurations as your network needs change.

## Using the Browser-Based Management Tool

After your cache device is configured with the IP address information for your network and is connected to your network, you can manage it using the Excelerator browser-based management tool.

Complete the following steps:

- 1 On your workstation, start an Internet Explorer 5 or later browser.
- 2 Point the browser to the URL for the tool, by entering the following in the Address field:

```
http://iii.iii.iii.iii:1959/appliance/  
config.html
```

where *i* is the IP address of the cache device.

For example, you might enter `http://10.1.1.1:1959/appliance/config.html`.

- 3 Accept the certificate and enter the password you supplied for the Config user when initializing the cache device from the command line.

Complete instructions for using the browser-based tool are contained in the *Excelerator 2.2 Administration Guide* > Using the Browser-Based Management Tool. For help accessing the online documentation, see [“Accessing the Product Documentation” on page 5](#).

## Using the Command Line Interface (CLI)

Excelerator 2.2 also offers a command line interface as explained in the *Excelerator 2.2 Administration Guide* > Reference Guides > Command Line Reference.

Many Excelerator CLI commands are summarized in the *Command Line Interface Help Summary* in the product documentation. For help accessing the online documentation, see [“Accessing the Product Documentation” on page 5](#).

