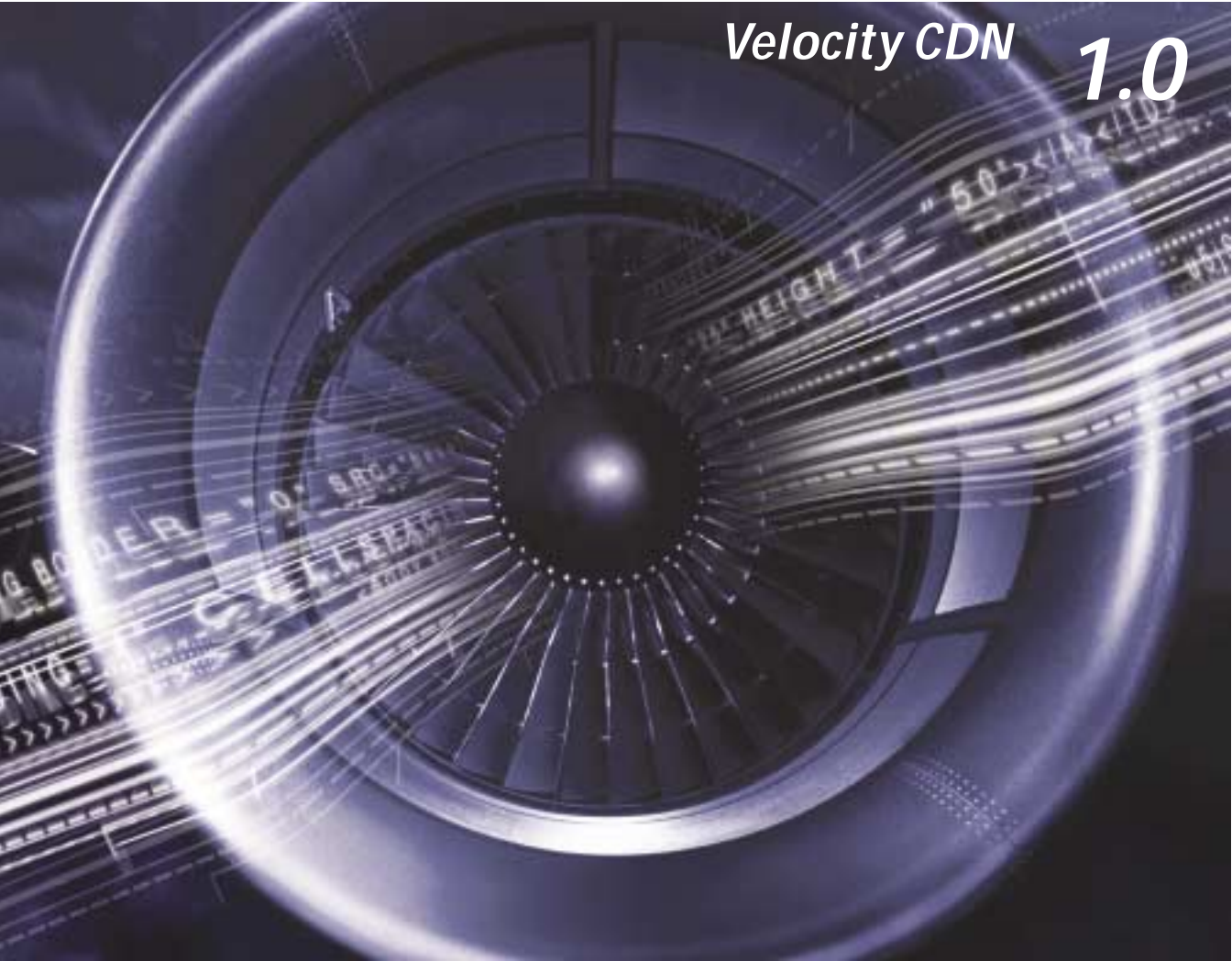




Velocity CDN **1.0**



Release Notes

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This product includes software developed by the Apache Software Foundation (<http://www.apache.org/>).

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About this Manual

To	See
Read about known issues in this release	Chapter 1, “Known Issues,” on page 9
Get important tips regarding VCDN caveats and third-party product issues	Chapter 2, “Caveats,” on page 13
Read about support options and obtaining technical assistance	Chapter 3, “Obtaining Technical Assistance,” on page 19
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1

Known Issues

This section summarizes the known issues with using Velocity CDN™ 1.0.

Changes to the Getting Started Guides

The following sections contain updates to the information in the printed Getting Started guides included in the System Controller, Content Controller, and Content Accountant product packages.

RedHat 7.0 Swap Partition Size

When installing RedHat 7.0, you should set the swap partition to at least 512 MB for Velocity CDN to operate properly.

Server Time Must Be Set Prior to Installation

The VCDN datastore requires that all system times are synchronized.

It is, therefore, critical that you configure management servers for network time protocol (NTP) support prior to installing System Controller.

To set up NTP support on a VCDN management server, complete the following steps:

- 1 Download the NTP RPM for RedHat 7.0 from the following Web location:

```
ftp://ftp.rpmfind.net/linux/redhat/7.0/en/os/i386/  
RedHat/RPMS/ntp-4.0.99j-7.i386.rpm
```

- 2 Install the RPM using the following command:

```
rpm -ivh ntp-4.0.99j-7.i386.rpm
```

3 Choose a time server.

You can find a list of public time servers at the following Web site:

`http://www.eecis.udel.edu/~ntp/`

Normally, it is best to choose the nearest server, geographically. However, be sure to carefully respect the terms of engagement specified in each list entry.

4 Modify the `/etc/ntp.conf` file to point to the server you have chosen, by replacing the line:

```
server 127.0.0.1
```

with the name of your NTP server as follows:

```
server server.dns.name
```

where *server.dns.name* is the dns name of your NTP server.

5 Retrieve the time for your server using the following command:

```
ntpdate server.dns.name
```

where *server.dns.name* is the dns name of your NTP server.

6 If you don't get an acknowledgement that includes the date, step time server IP address, and time offset, you might have firewall issues to deal with.

Ensure your firewall allows pass-through for UDP packets using port 123 (the NTP communications port).

7 If you want your system to synchronize time on a regular basis, start the `ntpd` process using the following command:

```
/etc/rc.d/init.d/ntpd start
```

8 To check status, enter the following command:

```
ntpq -c peers
```

Installing at the Command Line

The instructions for installing each VCDN product at the command line tell you to enter the following commands in Step 2:

```
mount /dev/cdrom
```

```
cd /mnt/cdrom
```

```
./setup -console
```

The third command of this sequence has been changed. You should now enter:

```
./setup -is:javaconsole -console
```

This enables the Java console to work so that all panels are displayed properly.

Netscape 4.7 Browser Not QA Validated in VCDN 1.0

The Getting Started guides indicate that the VCDN management interface is compatible with Netscape 4.7 browsers. However, Volera has not validated this browser against the VCDN 1.0 product.

If you experience problems using the Netscape browser, we recommend you use Internet Explorer 5.5 to manage VCDN 1.0 product components.

Asterisks (*) Indicate Required Fields

Asterisks (*) in the VCDN browser-based interface indicate fields for which you must supply configuration information.

Prepopulating Objects Requires Protocol Identifier

You must include a protocol identifier when specifying URL masks in collections to which jobs will apply a prepopulate action. For example:

```
http://is.this.com/item.html
```

Failure to include the identifier will cause the prepopulation action to fail.

2 Caveats

This section presents important tips and information for installing, configuring, and using Velocity CDN.

Uninstall Required Before Each Upgrade

Before upgrading to a new version of System Controller, Content Controller, or Content Accountant, you must first uninstall the older version of each product in the reverse order of product installation, as explained in the following sections.

Uninstalling Content Accountant

From a GUI Interface

To uninstall Content Account using a GUI interface on the VCDN management server, run the following executable:

```
/opt/volera/roma/_ca_uninst/ca_uninstall
```

At the Server's Command Line

To uninstall Content Account from the command line on the VCDN management server, enter the following command:

```
./ca_uninstall -is:javaconsole -console
```

Uninstalling Content Controller

From a GUI Interface

To uninstall Content Account using a GUI interface on the VCDN management server, run the following executable:

```
/opt/volera/roma/_cc_uninst/cc_uninstall
```

At the Server's Command Line

To uninstall Content Account from the command line on the VCDN management server, enter the following command:

```
./cc_uninstall -is:javaconsole -console
```

Uninstalling System Controller

From a GUI Interface

To uninstall System Controller using a GUI interface on the VCDN management server, run the following executable:

```
/opt/volera/roma/_sc_uninst/sc_uninstall
```

You will need to provide the datastore name and administrator password specified during installation to uninstall System Controller.

At the Server's Command Line

To uninstall System Controller from the command line on the VCDN management server, enter the following command:

```
./sc_uninstall -is:javaconsole -console
```

WARNING: Uninstalling the last System Controller on your CDN from the command line removes the VCDN datastore. However, you are not asked to supply the datastore name or administrator password. Also, the uninstall doesn't warn that the last remaining copy of the datastore is being removed.

Preparing a Cache Device to Be Added in System Controller

Before adding a cache device in System Controller, you must enter the following command at the cache device system prompt:

```
set vcdn managementaddress=iii.iii.iii.iii
```

where *i* is the server's management IP address.

For more information, see [Preparing Cache Devices for VCDN Management](#) in *Creating and Managing Your CDN Using Velocity CDN*.

Nonsecure Items Messages When Managing Using SSL

You can configure System Controller to require SSL communication from management browsers.

If you enable this functionality, certain interactions with the VCDN management interface, such as the display of local machine-generated pop-up messages will cause the browser to display warnings regarding nonsecure content.

For the management tool to function properly, you must accept each message by clicking Yes. If you click No by mistake, navigation within the tool might stop functioning. If this happens, click the browser's Back button to restore tool functionality.

Using Intel E 100B Network Cards

Under certain conditions, RedHat Linux 7.0 reports continual error messages similar to the following:

```
kernel: eth0: card reports no RX buffers
```

You might be able to solve this problem by installing and using [Intel's driver for this card](http://support.intel.com/support/network/adapter/pro100/30504.htm) (<http://support.intel.com/support/network/adapter/pro100/30504.htm>).

Microsoft Media Server (MMS) Exceleator Services Require Licenses

System Controller lets you specify the creation of MMS acceleration services for cache devices or device groups without checking for valid MMS Exceleator licenses.

You must ensure that each target cache device contains a valid Volera MMS Excelerator license. Otherwise, the service creation operation will fail on unlicensed devices, causing errors and alerts to be generated.

Including Microsoft Media Server (MMS) Objects in Collections

To include MMS objects in collections, if the job action associated with the collection is Prepopulate or Prepopulate and Pin, the URL mask entered for the object must specify the MMS protocol moniker.

For example, the URL mask for prepopulating the object *film.asf* from a media server located at *www.media.com* would be:

```
mms://www.media.com/film.asf
```

Imported Devices Must Be Managed by System Controller

Once a device is created as a managed object in the VCDN datastore, it must be managed through System Controller for all supported features.

System Controller does not detect or acknowledge changes made to imported devices at the device command line or through the device's browser-based management tool.

For more information, see [How Velocity CDN 1.0 Affects Excelerator 2.1 Management Features](#) in *Planning Your Content Distribution Network (CDN)*.

Partial Name Searches Require the Asterisk (*) Wildcard

The VCDN search feature for locating devices, groups, users, collections, etc. performs specific exact searches on the name entered in the search field. Partial name searches require that the asterisk (*) wildcard be included.

For more information, see [Using the VCDN Search Feature](#) in *Creating and Managing Your CDN Using Velocity CDN*.

Blank Search Results

Performing a search for a datastore object (device, group, etc.) that does not exist, returns a blank results list with no message stating that no objects were found.

You can redisplay a complete list by performing another search using an empty search field or by entering the asterisk (*) wildcard.

For more information on VCDN searching, see [Using the VCDN Search Feature](#) in *Creating and Managing Your CDN Using Velocity CDN*.

System Controller and Excelerator 2.1 Passwords

Case Sensitivity Implications for Changing Passwords

When adding a cache device in System Controller, if the device has a password set for the Config user, you must enter the password during the device creation process.

Excelerator cache devices do not recognize case differences in passwords. This means that if the original Config password is *test*, you could enter Test, test, TEST, or teSt, etc. in System Controller and the cache device would recognize each variation as a valid password.

However, System Controller is case-sensitive in its password handling feature, meaning that Test, test, TEST, and teSt are each different passwords.

After a device is added in System Controller, to change the device password in System Controller, you must enter the password exactly as you typed it when the device was created.

For this reason, we recommend you keep a record of exactly how each device password was entered.

Leading and Trailing Spaces Cause Out-of-Sync Passwords

If you include a leading or trailing space in a device password configured through System Controller, the spaces will be ignored by the device but retained by System Controller.

This means that to change the device password in System Controller, you will need to supply the leading and/or trailing spaces, but you must not include

them when accessing the device through Telnet or the Exceleator browser-based management tool.

Commas (,) Cause Out-of-Sync Passwords

WARNING: If you include a comma (,) in a device password configured through System Controller, the password change will fail at the device. However, this failure will not be recognized by System Controller, causing the current password on the device and the password value stored by System Controller to be out of sync.

If this happens, you can no longer manage the device password from System Controller. The only solution to this problem is to remove the device object from System Controller and then re-create it.

Asterisks (*) Indicate Required Fields

Asterisks (*) in the VCDN browser-based interface indicate fields for which you must supply configuration information.

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Obtaining Technical Assistance

For technical assistance with Velocity CDN, visit [Volera's Support Web site \(http://support.volera.com\)](http://support.volera.com).

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