

# Concerto 7000 All Flash Array Release Notes For Release 1.0.0

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**violin**  
MEMORY

## Introduction

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The Concerto 7000 All Flash Array Release 1.0.0 is a new release.

The Concerto 7000 All Flash Array consists of high performance Flash Arrays paired with two highly available controllers, and optional Fibre Channel switches. The Concerto 7000 All Flash Array integrates Comprehensive Data Services that solve enterprise challenges in the following ways:

- Deliver flexible and powerful business continuity with asynchronous and synchronous replication capabilities.
- Reduce the amount of required storage through data efficiency technologies, such as thin provisioning and snapshots.
- Protect valuable enterprise data using protection features such as clones, mirroring and encryption.
- Scale to four Flash Arrays with hundreds of terabytes of data.
- Transform performance with enterprise-class capabilities.

Concerto's highly available active/active controllers allow administrators to manage applications and users with the flexibility required in enterprise environments. The Concerto 7100 provides up to two storage shelves or 140TB of capacity without a fabric switch. The Concerto 7200 provides up to four storage shelves with two fabric switches for 280TB raw capacity.

## What's New in This Release

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Concerto Comprehensive Data Services includes the following:

- Mirroring -- protects against array failures
- Synchronous replication -- provides application consistency and adaptive relocation scheduling
- Remote asynchronous replication
- Flexible zero RPO -- ensures zero data loss
- Flexible zero RTO -- ensures application recovery
- Encryption for data in-flight
- Snapshots and clones -- ensure data protection and rapid application recovery

- Thin provisioning -- provides efficiency in data management

Supported configurations:

- Two Concerto controllers that support up to four Flash Arrays running V6.3.x and G5.6.x software or later, and A6.3.x firmware or later
- SAN attached: FC, iSCSI
- Up to 280TB capacity of block storage

## Known Issues

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- **192:** After connecting the physical FC cable to Brocade switches and target mode was enabled on the server, the NPIV port does not show up on the switch.

**Workaround:** A restart of services has to be performed in order for NPIV ports to show.

- **310:** After Snapshot CDP is enabled, it is recommended that you wait 2 minutes before starting IO, otherwise sometimes IO may fail.
- **320:** Make sure the default allocated size for a thin LUN is big enough, otherwise IO may fail at the beginning. Please refer to *Concerto 7000 All Flash Array User's Guide* for more information.
- **336:** When creating a Snapshot Copy, the following erroneous error message may appear: "Configuration is out-of-sync, please logout and re-login."

**Workaround:** Click OK to close the pop-up window, and then continue to create the MemSnap.

- **342:** After starting a MemSnap "Copy", you are allowed to delete the MemSnap before the "Copy" completes, without any warning. To protect MemSnap data, MemSnap should not be deleted until the MemSnap copy has completed.
- **458:** The X-Ray process can take longer than ten minutes when performed through the Concerto Management Console.

**Workaround:** Use the following CLI command to perform the X-Ray process:

```
iscon getxray -s <concerto IP address> -u <user> -p <password> -l
```

```
<fromdatetime(year(2digits)month(2digits)day(2digits)hour(2digits)minute(2digits)) – ending  
datetime(year(2digits)month(2digits)day(2digits)hour(2digits)minute(2digits))
```

For example: `iscon getxray -s 127.0.0.1 -u root -p mypsswd -l 1403060801-1403061312`

- **472:** When you export a LUN to an ESX host and then create a datastore on it, you may receive an error message saying that a partition is already there or that the same LUN containing data was previously exported.  
**Workaround:** Manually write all zeroes to disk.
- **664:** When you export a virtual device from Concerto to an ESX host, the exported device may display as non-SSD when in fact it is SSD.  
**Workaround:** Ignore the erroneous display. All Concerto virtual devices are SSD.
- **737:** There is no option in the Concerto Management Console that allows you to change the timezone.  
**Workaround:** After initial set up, the timezone can be changed using standard Linux commands.
- **739:** In a high availability (HA) configuration, it is highly recommended that only connected ports be configured as dual initiator/target mode.
- **746:** When configuring iSCSI Concerto LUN on Windows 2012 MPIO, the "CONCERTO SAN ARRAY" device is not seen under "Device Hardware ID" windows in the "Discover Multi-Paths" tab in MPIO properties.  
**Workaround:** Check the "Add support for iSCSI devices" checkbox and then reboot the server. "MSFT2005iSCSIBusType\_0x9" is seen afterwards in the "Devices" window in the "MPIO Devices" tab.
- **784:** After installing snapshot agents, the publisher name in the list of programs is blank except for SDM. For SDM it shows up as Violin Memory, but for the other agents it is blank.
- **788:** There is no option in the graphical user interface to view the details for a configured NIC bond.  
**Workaround:** Use a standard Linux command to verify bonding details.
- **792:** It is recommended that you perform a rescan whenever the Flash Array status changes, such as from failover to failback.
- **793:** For NIC port bonding, it is strongly recommended that you do not bond sci0 and sci1.
- **796:** For multipath.conf recommendations, please refer to the Interoperability Best Practices Guide.

## Product Documentation

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PDF versions of product guides are available for download from the Violin Memory Customer portal. Go to <http://www.violin-memory.com/support/> to view and download the most up-to-date product documentation. Occasionally, a guide is updated after the software is released for improvement purposes or to address issues that are discovered. In such cases, an updated version may be available from the Violin Memory Support site.

## Violin Memory Customer Support

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