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SNAP SERVER 700i SERIES/ADAPTEC ONTARGET™ v3.0.7 README

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Please review this file for highlights of features in this release and important information about issues that were discovered after completion of the standard product documentation.

In the case of conflict between various parts of the documentation set, this file contains the most current information.

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## 1. FEATURES IN THIS RELEASE

### 1.1 Adaptec OnTarget v3.0.7

- Uses Adaptec Storage Manager™ v5.10 (ASM) to discover, manage, and monitor host-side, as well as target-side, systems in your IP SAN network.
- Supports expansion of Snap Server 700i Series drive capacity with up to 8 SANbloc S50 expansion arrays fully populated with SAS drives or up to 4 SANbloc S50 expansion arrays fully populated with SATA drives. Supports up to 100 SAS drives or up to 52 SATA drives (fully populated SANbloc S50 expansion arrays plus fully populated Snap Server 700i Series).
- Uses Adaptec Unified Serial™ 4800SAS RAID controller for advanced RAID functionality. Supports RAID 0, 1, 1E, 5, 6, 10, 50, and 60.
- Creates virtual storage pools (pools) that are protected with RAID, and increases the capacity or changes the RAID level of existing pools.
- Uses VDS provider to allow third party tools such as Microsoft Storage Manager for SANs to interface with the 700i Series.
- Uses VSS provider to allow third party tools to create application-consistent snapshots on windows.
- Uses Windows Multipath driver to provide path failover and seamless synchronous mirror failover.
- Monitors your IP SAN, sends email notifications and SNMP traps, and displays events in the Adaptec Storage Manager event viewer window.
- Provisions storage to the systems on your network automatically (supported on some operating systems only) or manually.
- Creates application-consistent snapshots of provisioned storage for backup and recovery (supported on some operating systems only).
- Creates synchronous mirrors of provisioned storage across two Snap Server 700i iSCSI Storage Appliances for an extra layer of data protection and increased data availability (supported on some operating systems only).
- Provides one-way or two-way CHAP authentication for securing your data.
- Includes a fully-functional Command Line Interface (CLI) for advanced users.

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## 2. WHAT'S NEW IN THIS RELEASE

## 2.1 Adaptec OnTarget v3.0.7

- Enables the creation of application-consistent snapshots of mirrored volumes.
- Allows you to specify units when creating logical devices and volumes.
- Supports up to 52 SATA drives, an increase from 48 in previous releases.

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## 3. KNOWN ISSUES AND LIMITATIONS

- If you have multiple SANbloc S50s attached to the Snap Server 700i Series and you pull a drive used in a pool from the S50, all remaining drives in the pool may disappear from the GUI and CLI device list. To refresh the list and view the drives, you must power down and power up the S50 enclosure.
- If an APC UPS is directly connected to the 700i USB port and the UPS receives a shutdown command from the APC web interface, the 700i will not gracefully shutdown, but instead will immediately power off. It is recommended that the Snap Server be shut down gracefully before shutting down the UPS.
- When using the Mirroring feature, eth0 should be configured as a 'management-only' port.
- The ASM RAID pool summary screen may display size slightly larger than what is available.
- Volume provisioning may result in "request rejected" errors if existing volumes are under heavy I/O stress.
- Snapshots may take several minutes to show up in ASM's Enterprise View (the left pane tree view).
- ASM does not properly display the new pool size after an Online Capacity Expansion of a RAID-0 pool. Refreshing the ASM user interface will correct the problem.
- If using VMware ESX server in a VMcluster, both with QLogic HBAs, the ESX servers may lose connectivity if an iSCSI rescan is initiated.
- Flashing a RAID controller on windows Vista 64-bit systems is not supported in this release of Adaptec Storage Manager. The image update wizard can be run, but it does not complete.
- When creating snapshots of one or more volumes, the Microsoft VSS provider may timeout, resulting in an incomplete snapshot set.
- When using the CLI to create a RAID 50 or RAID 60 with 48 SATA drives, the task may hang. It is recommended that you use Adaptec Storage Manager to create your RAID pools.

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