

Harmonic MediaGrid Server 4.1 Release Notes

Release: MediaGrid Release

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Revision B

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Introduction

This document provides release notes for the Harmonic MediaGrid Server Software Release 4.1. It covers important information about the Harmonic MediaGrid system and software, including installation instructions, known issues, and quality improvements. In addition, given the complex nature of distributed storage systems, it also refreshes some general information that may pertain to your specific installation. Please read these release notes thoroughly prior to installing any software or hardware, as all sections contain important information.



Note

Harmonic MediaGrid Server 4.1 and later versions support the ContentServer/ContentStore 3000 and 4000 Series ONLY. The ContentServer 1000 and 2000 Series are not supported.



Important!

Harmonic MediaGrid systems must be enabled for periodic checkpoints. Checkpoints enable the recovery of data in the event that an unexpected disruption leads to a loss or corruption of critical system files. Refer to “Enabling and Configuring Checkpoint Schedules” in the *Harmonic SystemManager User Guide* for instructions on how to enable checkpoint scheduling.

New Features and Improvements

Feature	Description
ContentStore 5840A	<p>This release introduces the ContentStore 5840A, which provides support for the following:</p> <ul style="list-style-type: none"> • 12 GB SAS connections to the ContentServer 4000 • 12 GB SAS disks <p>Note: Interchanging disks between the ContentStore 5840 and 5840A is not supported.</p>
Local User Authentication	<p>Harmonic MediaGrid supports local user accounts and authenticates them without requiring an external directory service such as Microsoft Active Directory or Lightweight Directory Access Protocol (LDAP).</p> <p>For details on how to create user records see the <i>Harmonic MediaGrid Release 4.1 Installation and Configuration Guide</i>.</p>
Replication-over-RAID Support	<p>Harmonic MediaGrid supports using replication on systems with the ContentServer (stretch cluster configuration).</p>
ContentStore Power Supply Unit (PSU) alert	<p>An alert displays in System Manager when a ContentStore PSU is disconnected from power. This feature applies to ContentStore 4240, 5840, and 5840A.</p>
Harmonic MediaGrid Improvements for Active Directory users and groups	<p>When a user's group membership is modified on the Active Directory server, the changes are replicated in ContentBridge, File System Driver, and Content Director. (MG-11929)</p>
Lower 10 GbE Port Count Support on ContentServer 4000	<p>Harmonic MediaGrid supports 2 x 10GbE or 4 x 10GbE port counts on each of the ContentServer 4000 controllers. To use a lower port count, plug in only 2 of the 4 NICs. No special configuration is required.</p>

Resolved Issues

The following table includes issues that have been resolved in this release.

Key	Rn Summary - Resolved
MG-13177	Error messages from one directory service appeared for another. To prevent this, new configuration parameters have been set up for each type of authentication: Active Directory, Open Directory, LDAP, NIS, and LUA. For details on these parameters, see the Harmonic MediaGrid Release 4.1 Installation and Configuration Guide.
MG-13030	When the balancer was turned on, mdscore experienced a time-out on ssmServerSequence requests. This caused the client to switch to a redundant ContentDirector.
MG-13011	The mdscore service stopped logging after outputting 4 billion lines.
MG-12895	In SystemManager, ContentStore 4240 reported inaccurate and fluctuated FAN alarms.
MG-12831	The SliceServer app (SSID) on the ContentServer failed during high rates of RAID and I/O module errors, which was rare. Auto-reallocation of bad sectors during write operations has been enabled for all disks. Consequently, a disk is now auto-failed after a single write error, if doing so will not make a RAID set non-viable.
MG-11929	Delayed acknowledgement of Active Directory changes on High Bandwidth ContentBridge.

[6 issues](#)