



**Western Digital**

# Release Notes

Resource Manager Standard Edition

Software Version 1.3.1  
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Revision 05  
March 2024

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## Revision History

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Date	Revision	Comments
June 2021	01	Initial release
January 2022	02	Updated for 1.1 release
May 2022	03	Updated for 1.2 release
December 2022	04	Updated for 1.3 release
March 2024	05	Updated for 1.3.1 release

## Notices

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## Points of Contact

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For further assistance with a Western Digital product, contact Western Digital Datacenter Platforms technical support. Please be prepared to provide the following information, as applicable: part number (P/N), serial number (S/N), product name and/or model number, software version, and a brief description of the issue.

**Website:**

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# Release Notes

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## 1.1 About the Release

The following table provides summary details for the current release of the Resource Manager Standard Edition application.

*Table 2: Release Summary*

Category	Value
Applicable Hardware Platforms	Ultrastar® Data102 Ultrastar Data60
Previous Release	1.3
Current Software Version	1.3.1
Software Filenames	
Ultrastar Data102, Linux	Resource Manager-StandardEdition-WDC-Data102.tgz
Ultrastar Data102, Windows	Resource Manager-StandardEdition-WDC-Data102.exe
Ultrastar Data60, Linux	Resource Manager-StandardEdition-WDC-Data60.tgz
Ultrastar Data60, Windows	Resource Manager-StandardEdition-WDC-Data60.exe

## 1.2 Restrictions and Limitations

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This release of Resource Manager Standard Edition has the following restrictions or limitations:

- Internet Explorer, Microsoft Edge, and Safari browsers are not supported in this release.
- Intermittent error message displayed during login: `Server Error. Try after some time.` One cause of this message is when the WDDCS Tool (required software) is unable to discover the `sg_` handles. The host must be able to access JBOD `sg_` handles for Resource Manager Standard Edition to function properly. This behavior is expected as per WDDCS Tool design. (OPENSKY-164)
- When two hosts are connected to the same JBOD, a RAID created on one host will not be detected by the other host. This could allow one host to overwrite the configuration of the other. This behavior is as per MegaRAID controller design and not caused by Resource Manager Standard Edition. (OPENSKY-629, 855)
- When exporting a zoning configuration, only the configuration is preserved, not the zone names. As the purpose of exporting is to allow a configuration to be used outside of a Resource Manager Standard Edition environment, this ensures that zone names will still be meaningful in that context. (OPENSKY-1311)
- After choosing a predefined zoning configuration, resetting the enclosure may result in the configuration being disabled. For persistent zoning through enclosure resets, use the `sg_ses_microcode` utility or use file-based zoning, which is described in your platform's User Guide. (OPENSKY-1731)



## 1.3 Known Issues

The following table provides a summary of known issues with the current release of the Resource Manager Standard Edition application.

Table 3: Known Software Issues

Ref. ID	Description	Workaround / Notes
<b>OPENSKY-86, 181</b>	Enclosure fan status should be displayed on internal view	Fan health status should be displayed when hovering over fans in <b>Virtual View &gt; Internal</b> . <b>Workaround:</b> navigate to <b>Devices &gt; Sensors &gt; Fans</b> to check fan status
<b>OPENSKY-88</b>	Windows installer does not remove WDDCS Tool after rollback of unsuccessful installation	<b>Workaround:</b> User must manually remove WDDCS Tool
<b>OPENSKY-189</b>	Extensive logging in syslog/ messages	
<b>OPENSKY-312</b>	Predictive failure correctly shows in overall summary, but icon is not reflecting the status individually for the IOM and PSU	The individual page has an issue related to the icon not reflecting the status correctly for the non-critical state. <b>Workaround:</b> the overall health summary will show predictive failure correctly for the IOM and PSU.
<b>OPENSKY-328</b>	Only four custom zones are allowed (out of six max.)	Custom zoning configuration should allow up to six zones (one for each IOM port) but only allows four
<b>OPENSKY-548</b>	Top level directory created during installation isn't removed during uninstallation	
<b>OPENSKY-835</b>	Full capacity virtual drive showing unconfigured capacity	
<b>OPENSKY-971</b>	Unable to fetch information in Windows OS with daisy-chain topology	
<b>OPENSKY-991</b>	"All drives in JBOD mode-change in progress" might take several minutes to complete	Switching MegaRAID controller from RAID to JBOD mode, and selecting the <b>Make all drives JBOD</b> option under <b>Physical Drives</b> , is a time-consuming operation. Do not disturb the JBOD until the operation is complete.

Ref. ID	Description	Workaround / Notes
OPENSKY-1012	Error: error in disabling should not be seen after zone is successfully disabled	In the case of a single path configured JBOD, disabling zoning produces Error: error in disabling. <b>Workaround:</b> refresh browser or clear cache, then recheck status of zoning
OPENSKY-1168	Imported zoning configuration requires browser refresh before being enabled	
OPENSKY-1223	Email alerts are triggered once every 30 minutes	
OPENSKY-1543	WDDCS Tool upgraded without user confirmation in Linux	

## 1.4 Fixed Issues

The following table provides a summary of issues fixed with the current release of the Resource Manager Standard Edition application.

*Table 4: Fixed Software Issues*

Ref. ID	Title	Description / Notes	Fixed in Version
<b>OPENSKY-1742</b>	Installation failure	Installation failures fixed with inclusion of Werkzeug version 2.2.2 Python module	1.3.1

## 1.5 Compatibility Information

The following sections provide compatibility and requirements information for the current release of the Resource Manager Standard Edition application.

### Supported Platforms

- Ultrastar Data102
- Ultrastar Data60



**Note:** For supported hardware components, please refer to your platform's *Compatibility Matrix*. The Resource Manager Standard Edition is compatible with each platform's supported components; any exceptions are noted in the [Restrictions and Limitations \(page 3\)](#) section of these *Release Notes*.

### Required Platform Firmware

Firmware	Version
SEP	3010-007 or later
OOBM	3.1.11 or later

### Compatible Operating Systems

Operating System	Version
Red Hat® Enterprise Linux® (RHEL)	7.6, 7.9, 8.0, 8.2, 8.3
CentOS	7.6, 7.9, 8.0, 8.2, 8.3
Ubuntu	16.04, 18.04, 20.04
Debian	10.9
Oracle® Linux	8.2
Windows Server®	2016, 2019

### Compatible Browsers

Browser	Version
Chrome	83.0.4103.97 or newer
Firefox	68.9.0esr (64-bit) or newer

### Required Software

Software	Version	Applicable OSs
Apache HTTP Server™	2.4.46	Linux only
Internet Information Services (IIS)	10	Windows only
URL Rewrite	2.1	Windows only
Microsoft Application Request Routing	3.0	Windows only
Python®	3.8.8	Windows & Linux

Software	Version	Applicable OSs
Python Modules:		
pip	9.0.1	
Flask	2.2.2	
Flask-Cors	3.0.8	
Flask-RESTful	0.3.9	
pymongo	4.2.0	
requests	2.18.4	Windows & Linux
PyJWT	2.0.1	
json2html	1.3.0	
waitress	2.0.0	
Paste	3.5.0	
pyOpenSSL	22.1.0	
Werkzeug	2.2.2	
Python Modules:		
pywin32	300	Windows only
psutil	5.8.0	
MongoDB™	4.4	Windows & Linux
sg_utils	1.42	Windows & Linux

## Linux Installation Notes



**Important:** If `python3.8` is already installed, but the `python3 --version` command returns a version number different from `3.8.x`, do the following to activate the `python3.8.x` version: Run the `which python3.8` command to get the location path where `python3.8` is installed. Copy the path from the command output and use it to set the symbolic links in `/usr/bin/`.

## Windows Installation Notes



**Important:** `Python38`, `Python38\Scripts`, and `sg3_util` will not be added to the system PATH environment variable by default; please add them manually.



**Important:** After installing `pywin32` using `pip install`, from a command prompt, change directory to `Python\Python38\Scripts\`; the exact path may vary depending on the location where Python is installed on your operating system. Then run the following command:

```
python pywin32_postinstall.py -install
```