



# Intel® Rack Scale Architecture Rack Management Module

Release Notes  
Software v1.1

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*August 2015*

*Revision 001*



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## Revision History

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Revision	Description	Date
001	Initial public release. Assigned document number 332876.	August 17, 2015

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# 1 Introduction

These release notes are intended to accompany the RMM reference stack release 1.1.3.0 of the Intel® Rack Scale Architecture.

## 1.1 Revision numbers of package components

**Table 1** Revision numbers of the RMM reference stack release components.

Subproject (component)	Location	Revision
Intel® Rack Scale Architecture RMM	/RMM_1.1.3.0.zip	RMM_1.1.3.0

## 1.2 Package contents

The following release package items listed in Table 2 are currently posted on Intel Business Link (IBL).

**Table 2** Software package for Intel® Rack Scale Architecture 1.1.1

IBL Ref #	Title	Description
559612	Intel® Rack Scale Architecture RMM Release Notes 1.1.3.0	This document.
559611	Intel® Rack Scale Architecture Generic Asset Management Interface v0.61	JSON-RPC API specifications to communicate with the Generic Asset Management Modules
559610	Intel® Rack Scale Architecture RMM API Specification v0.58	RMM REST API specifications
559609	Intel® Rack Scale Architecture RMM Installation Guide v0.3	Installation Guide
559606	RMM_1.1.3.0.zip	RMM reference stack sources
559608	RMM_Driver_1.1.3.0.zip	RMM driver for BDC-R only
559607	RMM_Binary_1.1.3.0.zip	RMM binary for BDC-R only

Customers should check IBL on a regular basis to download the latest available documentation, on-board device drivers, system firmware, and system software updates.

## 1.3 References

**Table 3** Reference documents

Number	Title	Location
332971	Intel® Rack Scale Architecture Getting Started Guide	<a href="https://github.com/01org/RSA">https://github.com/01org/RSA</a>
332868	Intel® Rack Scale Architecture GAMI API Specification	<a href="https://github.com/01org/RSA">https://github.com/01org/RSA</a>
332869	Intel® Rack Scale Architecture Pod Manager API Specification	<a href="https://github.com/01org/RSA">https://github.com/01org/RSA</a>
332870	Intel® Rack Scale Architecture Pod Manager Release Notes	<a href="https://github.com/01org/RSA">https://github.com/01org/RSA</a>
332871	Intel® Rack Scale Architecture Pod Manager User Guide	<a href="https://github.com/01org/RSA">https://github.com/01org/RSA</a>
332872	Intel® Rack Scale Architecture PSME Release Notes	<a href="https://github.com/01org/RSA">https://github.com/01org/RSA</a>
332873	Intel® Rack Scale Architecture PSME API Specification	<a href="https://github.com/01org/RSA">https://github.com/01org/RSA</a>
332874	Intel® Rack Scale Architecture PSME User Guide	<a href="https://github.com/01org/RSA">https://github.com/01org/RSA</a>
332875	Intel® Rack Scale Architecture RMM Installation Guide	<a href="https://github.com/01org/RSA">https://github.com/01org/RSA</a>
332876	Intel® Rack Scale Architecture RMM Release Notes	This document
332877	Intel® Rack Scale Architecture RMM API Specification	<a href="https://github.com/01org/RSA">https://github.com/01org/RSA</a>
332878	Intel® Rack Scale Architecture Storage Services API Specification	<a href="https://github.com/01org/RSA">https://github.com/01org/RSA</a>
	Scalable Platforms Management	<a href="http://dmtf.org/standards/wip">http://dmtf.org/standards/wip</a>
	Intel® Rack Scale Architecture System Manageability Architecture Specification	
	Intel® Rack Scale Architecture Platform Design Guide	

## 2 New Features

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### 2.1 Change logs for 1.1.3.0 release

- Aligned RMM implementation to Intel® Rack Scale Architecture RMM API Specification v0.58.
- Implemented SNMP trap for RMM events.
- RMM reference stack source code switched to Apache 2.0 License.
- Improved code readability.
- Fixed most bugs on HSD system.

### 2.2 Limitations

The following list describes all the limitations for this release of Intel® Rack Scale Architecture software. (Described limitations are targeted for future releases):

- The items listed below differ from the REST API Specification 0.58:
  - Allowable value of set fan desired speed is PWM.
  - Not support to set *tachMeterThreshold*.
  - Only supported component type of firmware upgrade is *rsa-rmm-meta*.
  - RMM RESTful API validation UI has been developed and tested using Chrome browser only.
- Query information of drawer's *presentTemperature* shows 0 because the PSME interface is not ready.
- The values of *presentTemperature*, *outletTemperature*, and *volumetricAirflow* are all 0 because the PSME interface is not ready.
- Remotely updating RMM components with the random error string image causes the RMM to shut down because the RMM image does not have a signature for security/integrity checking.





### 3 Known Issues

'Disposition' field can contain one or more of the following:

**Table 4 Known issue dispositions**

Disposition	Description
Under Investigation	The sighting is being investigated.
Root Cause Identified	The root cause for the defect is identified.
Workaround Available	A temporary solution to the defect is provided until the bug is fixed.
As Designed	The issue reported is not a defect and the behavior will not be modified.
Closed no repro	The situation is no longer observed, and no further investigation is scheduled.
Fixed	The issue has already been fixed.

Table 5 presents problems and issues found during testing of this release.

**Table 5 Known issues**

Issue	Description
<b>EP5D100248619</b>	<b>IPMI Over serial fail.</b>
Problem	CM won't respond to IPMI command over serial after certain time running RMM software.
Implication	CM would respond to IPMI command over serial after reboot.
Note	CM issue, RMM software has made progress to lower the risk, but would still happen at certain critical stages.
Workaround	Reboot CM board.
Disposition	Under Investigation.
<b>EP5D100248816</b>	<b>CM won't respond to PSU FRU info req after certain times requesting</b>
Problem	After continuously reading PSU FRU information (about 10 times), CM responds with an error.
Implication	CM would always respond correct PSU FRU info.
Note	CM issue.
Workaround	Reboot CM board.
Disposition	Under Investigation.
<b>60580</b>	<b>Remove drawer but the information of system Presence not change.</b>
Problem	Sometimes remove drawer or psu but the corresponding presence information doesn't change.
Implication	CM would respond correct presence bitmap.
Note	CM issue.
Workaround	Replug CM board or AC cycle of whole rack.
Disposition	Under Investigation.

