



Intel® Rack Scale Architecture PSME

Release Notes

Intel® Rack Scale Architecture Software v1.1

Build version: RSA_PSME1.1.130.0

August 2015

Revision 002



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Revision History

Revision	Description	Date
001	Initial public release. Assigned document number 332872.	August 3, 2015
002	Minor updates.	August 17, 2015

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1 Introduction

These release notes are intended for the July 2015 engineering release of the Intel® Rack Scale Architecture Software v1.1.

1.1 Package contents

Table 1 lists the contents of the release package.

Table 1 Software package for Intel® Rack Scale Architecture v1.1

Title	Notes
Intel® Rack Scale Architecture PSME Release Notes	This document.
Intel® Rack Scale Architecture PSME User Guide	User guide.
Intel® Rack Scale Architecture GAMI API Specification	JSON-RPC API specifications to communicate with the Generic Asset Management Modules.
Intel® Rack Scale Architecture PSME REST-API Specification	PSME REST API specifications.
Intel® Rack Scale Architecture Storage Service REST-API Specification	Storage Service REST API specifications.
psme-generic-src-1.1.130.0.tar.gz	PSME sources for generic hardware (including stubs).
License.txt	Apache license, version 2.0.

Customers should check <https://github.com/01org/RSA> on a regular basis to download the latest available documentation, onboard device drivers, system firmware, and system software updates.

1.2 Revision numbers of package components

Table 2 Revision numbers of release components

Subproject (component)	Revision
Intel® Rack Scale Architecture PSME	RSA_PSME_1.1.130.0

1.3 References

Table 3 Reference documents

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

2 New Features

2.1 New features for v1.1 release

Beside stability improvements, the Intel® Rack Scale Architecture v1.1 (RSA_PSME_1.1.130.0) release introduces the following features:

- PSME REST API updated to the PSME API specification version 0.92 (June 2015).
- PSME Storage Services added (API compliant with the Storage Services specification version 0.92 (June 2015)).
- PSME Network GAM Module added (API compliant to the Generic Asset Management Interface (GAMI) specification version 0.61 (June 2015)).
- PSME Compute GAM Module updated to the Generic Asset Management Interface (GAMI) specification version 0.61 (July 2015).
- SDV source code packages for PSME REST API, PSME Compute, Storage, and Network GAM Modules added.
- Included Intel PSME Compute GAM Module and generic PSME REST Server sources package.
- Included generic source code packages for PSME REST API, PSME Compute, Storage and Network GAM Modules (stub version).
- Added Conformance Test Suite.
- Added Encrypt Tool to PSME Compute GAM Module RPM package.

2.2 Limitations

The following list describes all the limitations for this release. (Described limitations are target for future releases.)

1. The code was verified with:
 - Bulldog Creek with Alta switch hardware.
 - Intel® Xeon® BMC version 2.61
 - Intel® Xeon® BIOS version F20A1A05_B
 - Avoton BMC version 0.33
 - Avoton BIOS version S1F_2A02
 - CM FW 0.17
 - Bulldog Creek with Red Rock Canyon switch hardware.
 - Haswell BMC version 2.08
 - Haswell BIOS version F20A1A05_B
 - MMP FW version 1.06
 - Coreboot version 0.9.2
 - CM FW version 1.03
 - MYB-IMX28X (ARM926EJ-S based) combined with Alta switch and three Intel® Xeon® modules.
2. No hot-swap support.
3. No security extensions for REST API.
4. Please be aware that using the Compliance Tool with PSME Network GAM Module may change the network configuration.
5. REST API
 - Limited oData support
 - Some of the information on REST API is not discovered from hardware but instead is read from configuration files which user must set up using Installation Guide



6. GAMI API

- Limited OEM data support
 - The following commands are not supported:
 - Get Power Zone Info
 - Set Power Zone Attributes
 - Get PSU Attributes
 - Set PSU Attributes
 - Get Thermal Zone Info
 - Get Fan Info
 - Get Fan Attributes
 - Set Fan Attributes
 - The following commands are supported on BDC-R only (DRCP supported):
 - Get Known Switches Id
 - Get Neighbor Switches Id
 - Get Remote Switches Info
 - Under stress Compute Agent may in certain scenarios respond with invalid data (JSON format is valid, but data is not). PSME Application will never use Agent in such way, so this will not occur even when stressing PSME.
7. During tests with PSME Compliance Tool (CTS) PSME REST Server must be turned off after agents registration to avoid race conditions on GAMI API.
8. While testing PSME Network Agent with PSME Compliance Tool, be aware that PSME Network configuration will be lost.





3 Known Issues

Table 4 lists and describes possible statuses of known issues in this release.:

Table 4 Status definitions

Status	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 was not observed anymore and no further investigation is scheduled.
Fixed	The defect has been fixed.

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

Table 5 Known issues

Issue	Description
HSD64951	PATCH on Remote Target is not implemented
Problem	Path action on Remote Target does not work properly due to defects in ISCSI library.
Implication	User cannot update remote target properties
Note	PSME
Workaround	Remove target and recreate with new properties
HSD57317	Not enough information when parsing of configuration file fails
Problem	If user updates config files and make a mistake, the application will fail loading config files but will not state in what line the mistake is.
Implication	It may take time for the user to correct mistakes made in the config files
Note	PSME
Workaround	Use the default config file and apply only small changes between trying to load new config
Status	Root Cause Identified
HSD65655	UsedBy does not contain link to LVG in Logical Drive after creation by snapshot
Problem	If user updates create logical drive by snapshot, then that drive will have empty UsedBy list even though it is in a LVG
Implication	Customer will not know what LVG newly created snapshot is in.
Note	PSME
Workaround	When creating new logical drive, the user must note on which LVG they requested this logical driver if they need that information in future
Status	Root Cause Identified
HSD66004	Empty technology enum in getSwichInfo method
Problem	Technology field is empty in getSwichInfo response in GAMI Network Agent
Implication	Technology of switch (PCIe or Ethernet) information will not be displayed on REST API. Additionally GAMI compliance test for that command will fail.
Note	PSME
Workaround	None. Implementation of this feature is planned for future releases.
Status	Root Cause Identified

