



Intel® Rack Scale Design PSME

Release Notes

Software Version 1.2

December 2016

Revision 007



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Revision History

Revision	Description	Date
0.1	Initial Release	April 4, 2016
0.2	Updated issues list and version number.	December 7, 2016

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1 Introduction

These release notes are intended for the Intel® Rack Scale Design PSME v 1.2.404.98 September 2016 release of Intel® Rack Scale Design.

1.1 Software package contents

Table 1 lists the contents of the release package.

Table 1 Software package for Intel® Rack Scale Design v1.2

Title	Description
Intel® Rack Scale Design Version 1.2 PSME Release Notes	This document.
Intel® Rack Scale Design Version 1.2 PSME User Guide	User Guide.
Intel® Rack Scale Design Version 1.2 Generic Asset Management Interface (GAMI) v1.0	JSON-RPC API specifications to communicate with GAMI Modules.
Intel® Rack Scale Design Version 1.2 PSME REST API Specification v1.0	PSME REST API specifications.
Intel® Rack Scale Design Version 1.2 Storage Service REST-API Specification v1.0	Storage Service REST API specifications.
License.txt	Apache License, Version 2.0.

Customers should check <https://github.com/01org/intelRSD> to download the latest available onboard device drivers, system firmware, and system software. For further assistance, please contact the Intel Field Representative.

1.2 Revision numbers of package components

Table 2 Revision numbers of Beta release components

Subproject (component)	Revision
Intel® Rack Scale Design PSME	RSD_PSME_1.2.404.98



1.3 References

Table 3 **Reference documents**

Doc ID	Title	Location
332868	Intel® Rack Scale Design GAMI API Specification	http://intel.com/intelRSD
332869	Intel® Rack Scale Design Pod Manager REST API Specification	http://intel.com/intelRSD
332870	Intel® Rack Scale Design Pod Manager Release Notes	http://intel.com/intelRSD
332871	Intel® Rack Scale Design Pod Manager User Guide	http://intel.com/intelRSD
332873	Intel® Rack Scale Design PSME REST API Specification	http://intel.com/intelRSD
332872	Intel® Rack Scale Design PSME Release Notes	http://intel.com/intelRSD
332874	Intel® Rack Scale Design PSME User Guide	http://intel.com/intelRSD
332877	Intel® Rack Scale Design RMM REST API Specification	http://intel.com/intelRSD
332876	Intel® Rack Scale Design RMM Release Notes	http://intel.com/intelRSD
332875	Intel® Rack Scale Design RMM User Guide	http://intel.com/intelRSD
332878	Intel® Rack Scale Design Storage Services API Specification	http://intel.com/intelRSD
332936	Intel® Rack Scale Design BIOS/BMC Tech Guide	http://intel.com/intelRSD
332937	Intel® Rack Scale Design Architectural Requirements Specification	http://intel.com/intelRSD
334611	Intel® Rack Scale Design Getting Started Guide	http://intel.com/intelRSD
n/a	Scalable Platforms Management API	http://dmtf.org/standards/redfish

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2 New Features

2.1 New features for v1.2 release

Beside stability improvements, the Intel® Rack Scale Design v1.2 (RSD_PSME_1.2.404.98) release introduces the following features:

- PSME REST API updated to the PSME API specification version 0.91.
- PSME GAM Modules updated to Intel® Rack Scale Design Generic Asset Management Interface version 1.06.

2.2 Limitations

The following list describes all the limitations for this release. Described limitations are targeted for future releases:

- The code was tested with PSME version 1.2.404.93.
- Patch on remote target is not supported.
- The code was verified with the following:
 - Bulldog Creek with Red Rock Canyon switch hardware
 - Haswell BMC version 2.12
 - Haswell BIOS version F20A1A05_D
 - MMP FW version 1.14
 - Coreboot version 0.9.2
 - CM FW version 1.07
 - MYB-IMX28X (ARM926EJ-S based)
- REST API
 - Some of the information on the REST API is not discovered from hardware, but instead is read from configuration files which the user must set up according to the User Guide.
- GAMI AP
 - 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





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 Known issues lists problems and issues found during testing of this release.

Table 5 Known issues

Issue	Description
HSD91841	Associated switch port to check VLANs during assemble is missing
Problem	During VLAN relation between switch and port is not reported
Implication	User sporadically get confusing reports
Note	PSME
Workaround	No workaround
Status	Under investigation
HSD91505	Checking link to port member of lag returns 500
Problem	Sometimes failure is reported during LAG port creation
Implication	Sometimes HTTP/500 error is reported on PortMembers URL
Note	PSME
Wokaround	No workaround
Status	Under investigation
HSD91690	Node was in failed state after assemble action - after 101 assemble
Problem	Sometimes nodes respond invalid assembly state
Implication	Very sporadically node assembly does not work properly
Note	PSME
Wokaround	No workaround
Status	Under investigation
HSD92117	addLogicalDrive method is always returning INVALID_PARAMS message on PSME Storage Agent
Problem	Request sent directly via GAMI must contain "Image" property although GAMI API claims it is not mandatory
Implication	Request missing Image property for adding logical drive are discarded
Note	PSME
Wokaround	Always send image name properly
Status	Root cause identified
HSD91341	PSME_1.2.404.4:MessageId is Null and Message registry details missed in PSME doc
Problem	MessageID is showing as null in PSME eventArray.
Implication	Some API attributes differ from PSME Spec
Note	PSME
Workaround	No workaround
Status	Root cause identified



Issue	Description
HSD93663	Documentation: RSD1.2.371.0: ForceOn Option missing in ComputerSystem API (Reset action)
Problem	ForceOn Option missing in System API which is mentioned in PSME documentation
Implication	ForceOn Option is not available
Note	PSME
Workaround	User shall use "On" option to power on system
Status	Root cause identified
HSD93499	Rename TargetIQN via PSME Patch returns http error 400
Problem	Patch is not implemented for TargetIQN
Implication	Patch for TargetIQN cannot be used
Note	PSME
Workaround	No workaround
Status	Root cause identified
HSD98270	PSME SwitchID attribute is null after mesh topology configuration
Problem	SwitchID attribute under NeighborInfo in PSME API is listed as null
Implication	SwitchID is still null after drawers were connected by a cable
Note	PSME
Workaround	No workaround
Status	Root cause identified
HSD102735	Very sporadically manual triggered DeepDiscovery fails and must be retrigged
Problem	DeepDiscovery fails
Implication	Resources won't be discovered
Note	PSME
Workaround	Rerun
Status	Under investigation
HSD103400	Lack of Mesh topology feature
Problem	There is no Port ID info in NeighbourPortInfo (Mesh topology feature) on port connected via mesh
Implication	User is not able to build Mesh Topology
Note	PSME
Workaround	No workaround
Status	Fixed

3.1 API changes

Release 1.2 of Intel® Rack Scale Design introduced significant changes in the RESTful API. As a result of these changes, this version of software is not backward compatible. A brief description of changes is listed below.

- Changed resource hierarchy to support multiple HW architectures (for example, flat chassis hierarchy, collection of ComputerSystems).
- Introduced *PowerZone* and *ThermalZone* resources.
- Introduced *MemoryChunk* Resource.
- Changed memory resource to Redfish proposed model.
- Changed URI from /rest/v1 to /redfish/v1.
- EthernetSwitches at Service Root
- Composed nodes moved from Systems to Nodes.

