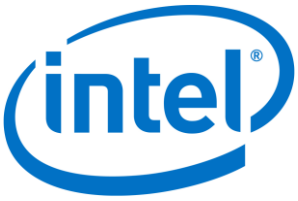

Intel® Rack Scale Design Conformance Test Suite

Release Notes
Software Version 2.4

April 2019

Revision 001

Document Number: 608497-001

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Revision History

Revision	Description	Date
001	Initial Release of Intel® RSD Software v2.4	April 2019

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1.0 Introduction

This document provides installation and configuration information about the Intel® Rack Scale Design (Intel® RSD) Conformance Test Suite (CTS) v2.4.0.172.

1.1 Intended Audience

These release notes are intended for the Intel® Rack Scale Design (Intel® RSD) Conformance Test Suite (CTS) version v2.4.0.172; April 2019 release of Intel® RSD.

1.2 Software Package Contents

Table 1 lists the contents of the release package.

Table 1. Software Package for Intel® RSD v2.4

Title	Description
Intel® Rack Scale Design v2.4 CTS Release Notes	This document
Intel® Rack Scale Design v2.4.0.172 CTS Readme	User Guide

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.

1.3 Revision Numbers of Package Components

Table 2. Revision Numbers of Beta Release Components

Subproject (component)	Revision
Intel® Rack Scale Design CTS	CTS_2.4.0.172

1.4 References and Resources

Table 3. References and Resources

Doc ID	Title	Location
608486	*Intel® Rack Scale Design (Intel® RSD) Pooled System Management Engine (PSME) User Guide Software v2.4*	***Note:*** *https://www.intel.com/content/www/us/en/architecture-and-technology/rack-scale-design/rack-scale-design-resources.html*
608487	*Intel® Rack Scale Design (Intel® RSD) Conformance and Software Reference Kit Getting Started Guide v2.4*	
608488	*Intel® Rack Scale Design (Intel® RSD) POD Manager (PODM) Release Notes Software v2.4*	
608489	*Intel® Rack Scale Design (Intel® RSD) POD Manager (PODM) User Guide Software v2.4*	
608490	*Intel® Rack Scale Design (Intel® RSD) Pooled System Management (PSME) Release Notes Software v2.4*	
608491	Intel® Rack Scale Design Storage Services API Specification Software v2.4	
608492	*Intel® Rack Scale Design (Intel® RSD) Architecture Specification Software v2.4*	
608493	Intel® Rack Scale Design (Intel® RSD) Pod Manager (PODM) Representational State Transfer (REST) API Specification Software v2.4	
608494	Intel® Rack Scale Design (Intel® RSD) Rack Management Module (RMM) Representatinal State Transfer (REST) API Specification Software v2.4	
608495	*Intel® Rack Scale Design (Intel® RSD) Generic Assets Management Interface (GAMI) API Specification v2.4*	
608496	*Intel® Rack Scale Design (Intel® RSD) Pooled System Management Engine (PSME) REST API Specification Software v2.4*	
608298	*Field Programmable Gate Array (FPGA) over Fabric Protocol Architecture Specification*	*https://cdrdv2.intel.com/v1/dl/getContent/608298*
596167	Intel® Rack Scale Design (Intel® RSD) for Cascade Lake Platform Firmware Extension Specification	*https://cdrdv2.intel.com/v1/dl/getContent/596167*
DSP8010	*Redfish* API Schema Readme v2018.1*	*https://www.dmtf.org/sites/default/files/standards/documents/DSP8010_2018.1.zip*
DSP8010	*Redfish* API Schema Readme v2018.2*	https://redfish.dmtf.org/schemas/v1/README8010.pdf
DSP8010	*Redfish* API Schema Readme V2018.3*	https://www.dmtf.org/sites/default/files/Redfish_2018_Release_3_Overview.pdf
N/A	*Storage Networking Industry Association (SNIA) Swordfish* Scalable Storage Management Schema bundle v1.0.6*	*https://www.snia.org/sites/default/files/technical_work/Swordfish/Swordfish_v1.0.6.zip*

Note: Documents referenced in this table which have a Doc ID, but cannot be accessed, can be obtained by calling 1-800-548-4725 or by visiting *www.intel.com/design/literature.htm* obtain a copy.

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2.0 New Features

2.1 New Features for v2.4 Release

The Intel® RSD v2.4 (CTS_2.4.0.172) release introduces the following features:

1. Rack Scale Metadata and Tests Packages were updated for v2.4.
2. CTS includes a Redfish metadata v2018.1, v2018.2, and v2018.3 with Swordfish extension in v1.0.6 (it can be used with all `GET/PATCH` test cases), refer to Table 3.
3. The user is able to feed the Test Suite with custom metadata.
4. The configuration file parameters `'IgnoreTypes'` support `REGEX` which is used for ignoring more complex types.
5. The tool is able to continue a Discovery process if it finds an unknown element that is on the Ignore Type list.
6. In all `PATCH` tests, the user is able to ignore elements (entire endpoints or just some keys listed on specific endpoint).
7. Performance measuring in tests (`GET/PATCH`).

   The tool is able to measure response time from the server.
8. CTS is able to produce an Interoperability report between the Rack Scale Metadata and Redfish v2018.1, v2018.2, v2018.3 (with Swordfish v1.0.6).
9. The tool includes a new tests framework called `"Scenario"` (this functionality is in Preview – more functionality and improvements are targeted for future updates.).
10. Stability improvements.
11. Minor bug fixes.

2.2 Limitations for CTS Release v2.4

Described limitations are targeted for future releases. CTS v2.4 package does not contain test and metadata packages for older versions of Intel® RSD.

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3.0 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 of 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 not observed anymore, and no further investigation is scheduled.
Fixed	The defect has been fixed.

There are no known issues to report at the time of this release.

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