

A53 SCST Linux Integration Demo Release Notes

1. Introduction

A53 SCST Linux Integration Demo is intended to provide a reference framework to guide customers on integrating A53 SCST Library with Linux.

This document contains information about the release package contents, supported features and known issues/limitations.

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2. Release contents

This release contains source code SCST meta layer:

Table 1. Release contents

File	Description
meta-scst	A Yocto meta layer used to build Linux BSP that contains patches for ATF and Linux device tree, source code for Linux kernel module, and Linux user space application

The tested demo environment contains devices below and the detailed setup is described in demo user guide.

Table 2. Tested HW and SW environment

Item	Description
Demo board	S32G_VNP-RDB2/ S32G_VNP-RDB3/ S32G_VNP-EVB3 are tested
Linux BSP	S32G2/3 Linux BSP 34.0 <ul style="list-style-type: none">– Linux v5.10.120– U-Boot v2020.04– ARM Trusted Firmware v2.5
A53 SCST	A53 SCST Library for S32G RTM 2.0.0

3. What's New?

This section describes the changes in this release, including new features and defect fixes.

New Features

This is the initial demo release:

- Support SCST Library used as safety mechanism detecting both latent fault and single point fault on Linux
- Isolate SCST library from Linux kernel via ATF to avoid violating GPL rules

Defect Fixes

N/A

4. Known Issues/Limitations

- N/A

5. History of Releases

Table 3. Release history

Revision number	Date	Substantive changes
0	2023-03	Initial release



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