SPPS v12.0

Release Notes

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Revision History

The revision history describes the changes that were implemented in the document. The changes are listed by revision, starting with the most current publication.

Revision 1.0

Revision 1.0 is the first publication of this document.

Contents

1 SPPS v12.0 Release Notes

These Release Notes highlight the changes made to the SPPS solution for the v12.0 release.

1.1 Enhancements/Changes

SPPS v12.0 added support for PolarFire Secure Production Programming.

Note: For SPPS v12.0, Job Manager v12.0 and FlashPro Express v12.0 require U-HSM Server v12.0 and M-HSM Server v12.0, respectively.

1.2 TCL Changes

Job Manager v12.0 TCL command updated to support PolarFire:

- `init_bitstream`

1.3 HSM Module Firmware Revision

This release has been tested and verified on Thales HSM firmware revision 2.55.1

1.4 Thales nShield Revisions

This release has been tested and verified on Thales nShield revisions 11.62.00 and 11.70.00.

2 Known Issues

2.1 SPPS: New JDC file must be generated if eNVM is set to be protected by passkey, using pre-v12.0 Job Manager

eNVM update protection with FlashLock is not supported. eNVM update is protected by User Encryption Keys (UEK1, UEK2 or UEK3).

Regenerate the JDC file without eNVM FlashLock Protection enable.

2.2 SPPS: Job Manager crashes when opening an existing Job Manager project from v11.9

Job Manager v12.0 does not support Job Manager project files created with releases prior to v12.0.

2.3 SPPS: Job Manager does not support PolarFire DAT export

PolarFire DAT file bitstream export from Job Manager is not supported in v12.0.

2.4 SmartFusion2/IGLOO2: eNVM update protection with FlashLock is no longer supported

Due to a silicon limitation, eNVM update protection with FlashLock has been defeatured. If a JDC file generated with a pre-12.0 version of Libero SoC had the eNVM set to be protected by passkey, it must be regenerated with Libero SoC v12.0 (which does not have eNVM FlashLock Protection enabled). eNVM update protection continues to be provided by User Encryption Keys (UEK1, UEK2 or UEK3).

2.5 ERASE Action failure for FlashPro Express Job

If a HSM FlashPro Express job has tickets for PROGRAM and ERASE actions, without a ticket for the VERIFY action, the ERASE action will fail. To successfully run the ERASE action, ensure that a ticket for the VERIFY action is included. This issue will be fixed in the upcoming v12.1 release.