SIIP Scripts for Elkhart Lake Platform

Releasenote

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Revision History

| Date | Revision | Description |
| --- | --- | --- |
| June 21, 2019 | 0.2.0 | Engineering Drop Release corresponding to SIIP Scripts version 0.2.0 with the following changes:   1. Overall:    1. Add a top level README as user guide document 2. Sub-Region Capsule:    1. Add Print output message    2. Fixed STDIN input to return bytes array    3. Fixed #299938 STDIN input to return bytes array    4. Fixed #299937 and #299569 Typo in readme file    5. Removed unused files and tools    6. Removed the 2 from IntelOob2Config    7. Updated README.md consistent with the co 3. SIIP Stitch:    1. Updated check valid IP names from a list    2. Removed GUID tool Rsa2048Sah256Sign    3. Removed debug code    4. Fixed #299330 Stitch failed with error "Error using FMMT.exe" when input file in half path    5. Fixed #299322 Stitch failed with error "Error base\_tool is not located: GenSec" when manually set EDK\_TOOLS\_BIN path    6. Fixed #300930 SIIPStitch should return a error when it does not find the firmware volume that match the requirement file to replace.    7. Fixed #300551 Stitch tool hang without error message prompt out when input empty bios    8. Fixed #300553 Stich tool hang without error message prompt out when input random gen binary file as BIOS    9. Fixed #300554 Stitch tool successfully stitch empty OseFw without error    10. Fixed #299943 Wrong Command to check OpenSSL is located in README file    11. Fixed #299945 Wrong Path for siipSupport folder in README file 4. SIIP Sign:    1. Fixed #299515 Sign and verify function not able to completed successfully if input files path consists of semicolon |
| May 24, 2019 | 0.1.0 | Engineering Drop Release corresponding to SIIP Scripts version 0.1.0 with the following changes:   1. This package consists of three scripts:    1. SIIP Stitch Script ( SIIPStitch.py ): Stitch a signed image into a full IFWI image    2. New Release: SIIP Sign Script ( SIIPSign.py ): Sign a payload image according to SIIP specification    3. New Release: Sub-region Capsule Script ( GenerateSubRegionCapsule.py ): Create a UEFI capsule image containing the signed image 2. Update BSD 2 Clause Licenses for release. 3. SIIP Stitch Script:    1. Correct SIIPStitch version control from v0.6.0 to v0.5.2 for engineering drop release.    2. Fixed stitching IFWI error. 4. SIIP Sign Script: New release, version v0.2.0 5. Sub-Region Capsule Script: New release, version 0.1.0 |

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# Introduction

## Purpose

This document provides system requirements, installation instructions, issues and limitations, and legal information.

To learn more about this product, see:

* New features listed in the [New in this Release](#_What's_New) section below, or in the help.
* Reference documentation listed in the [Related Documentation](#_Related_Documentation) section below
* Installation instructions can be found at ***README.md.html***

## Audience

The audience for this document is developers and product design teams who are creating system running on the Elkhart Lake platform.

## Acronyms

The following acronyms are used in this document (arranged in alphabetical order).

Table 1 Acronyms Used in Document

| Acronym | Description |
| --- | --- |
| PSE | Intel® Programmable Services Engine |
| SIIP | SoC Independent IP |

# New in This Release

## New Features

* None in this release

## Changes to Existing Features

* None in this release

## Unsupported or Discontinued Features

* None in this release.

# Fixed Issues

## SIIP Stitch Script

* Fixed #299330 Stitch failed with error "Error using FMMT.exe" when input file in half path
* Fixed #299322 Stitch failed with error "Error base\_tool is not located: GenSec" when manually set EDK\_TOOLS\_BIN path
* Fixed #300930 SIIPStitch should return a error when it does not find the firmware volume that match the requirement file to replace.
* Fixed #300551 Stitch tool hang without error message prompt out when input empty bios
* Fixed #300553 Stich tool hang without error message prompt out when input random gen binary file as BIOS
* Fixed #300554 Stitch tool successfully stitch empty OseFw without error
* Fixed #299943 Wrong Command to check OpenSSL is located in README file
* Fixed #299945 Wrong Path for siipSupport folder in README file

## SIIP Sign Script

* Fixed #299515 Sign and verify function not able to completed successfully if input files path consists of semicolon

## Sub-Region Capsule Script

* Fixed #299938 STDIN input to return bytes array
* Fixed #299937 and #299569 Typo in readme file

# Known Issues

Does not support Linux

# Related Documentation

README.md.html

# Where to Find the Release

Intel® Programmable Services Engine (PSE)

# Release Content

## Component Revision Numbers

Table 2 SIIP Scripts Component Revision Numbers

| Subproject (Component) | Location | Revision |
| --- | --- | --- |
| SIIP Scripts | SIIP\_Scripts\siipSign  SIIP\_Scripts\siipStitch  SIIP\_Scripts\siipSupport  SIIP\_Scripts\SubRegionCapsule  SIIP\_Scripts\SIIPSupport.py | N/A |
| Test Data Files | test\_data\BIOS.BIN  test\_data\OseFw.bin  test\_data\privkey.pem  test\_data\TestCert.pem  test\_data\TestRoot.pub.pem  test\_data\TestSub.pub.pem  test\_data\TsnMacAddressDescExample.json | N/A |
| Readme Files | README.md.html  README.md | N/A |
| Releasenote | Releasenotes.docx | 0.2.0 |

Table 3 SIIP Stitch Script Component Revision Numbers

| Subproject (Component) | Location | Revision |
| --- | --- | --- |
| SIIP Stitch Script Files | siipStitch\README.md  siipStitch\SIIPStitch.py | 0.5.3 |

Table 4 SIIP Sign Script Component Revision Numbers

| Subproject (Component) | Location | Revision |
| --- | --- | --- |
| SIIP Sign Script Files | siipSign\README.md  siipSign\SIIPSign.py | 0.3.0 |

Table 5 Sub-Region Capsule Script Component Revision Numbers

| Subproject (Component) | Location | Revision |
| --- | --- | --- |
| Sub-Region Capsule Script Files | SubRegionCapsule\\_\_init\_\_.py  SubRegionCapsule\GenerateCapsule.py  SubRegionCapsule\GenerateSubRegionCapsule.py  SubRegionCapsule\README.md  SubRegionCapsule\SubRegionDescriptor.py  SubRegionCapsule\SubRegionImage.py | 0.2.0 |
| Common Tools and Files | SubRegionCapsule\Common  SubRegionCapsule\CommonDataClass  SubRegionCapsule\Examples | N/A |

Table 6 SIIP Scripts Support Component Revision Numbers

| Subproject (Component) | Location | Revision |
| --- | --- | --- |
| SIIP Scripts Support Files | siipSupport\Bin\Win32\FMMT.exe  siipSupport\Bin\Win32\FmmtConf.ini  siipSupport\Bin\Win32\GenFfs.exe  siipSupport\Bin\Win32\GenFv.exe  siipSupport\Bin\Win32\GenSec.exe  siipSupport\Bin\Win32\LzmaCompress.exe  siipSupport\Bin\Win32\StripSignature.py | 0.2.0 |

# Hardware and Software Compatibility

Elkhart Lake platform

## BIOS/Firmware Version

* TBD

## Supported Operating Systems

* Window 10