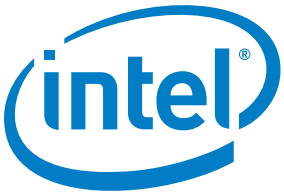

Bay Trail GenSysFWUpdImage Tool User Guide

User Guide

March 2013

Revision 0.5

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Revision History

Date	Revision	Description
March 2013	0.5	Initial release.

1 Bay Trail DFUDriverGen Tool User Guide

The GenSysFwUpdImage.exe tool is provided to create a dedicated IFWI image which contains only updatable BIOS image and SEC UPD image by adding several headers for firmware update.

The output of this tool is specified by the –out option. This output is later used by GenCapsule tool to create the BIOSUpdate.fv file.

1.1 Installation

Installation of GenSysFwUpdImage.exe tool is straightforward. Copy the GenSysFwUpdImage.exe file to the machine that this tools is to be run.

1.2 Run the Tool

The tool supports to be run in command mode only.

1.2.1 Command Mode

The tool runs in command mode if you specify any options as mentioned below:

1.2.1.1 Mandatory Command Options

-bios <Path to 3MB signed BIOS binary>
This option is mandatory. The bios image should be signed already before using this tool.

-sec <Path to SEC UPD image>
This option is mandatory. Be aware you should always use the UPD image instead of 3MB SEC region file. Failing to do that will result in firmware update failure.

-out <path to output file>
This option is mandatory. Specifies the output file that the IFWI is written to.

1.2.1.1.1 Sample Usage

>GenSysFwUpdImage.exe –bios VLV_BIOS_R_29_31_SecEnabled.ROM –sec VLV_SEC_UPD_REGION.bin –out VLV_SYS_FW_UPD.bin

1.2.1.1.2 Sample Output

The output of the tool is the file specified by –out option.

1.2.1.2 Optional Command Options

-h
Optional and cannot combine with other options. This option provides tool help. Will provide prompt of usage when specified as the only option to the application.

1.2.1.2.1 Sample Usage

>GenSysFwUpdImage.exe -h

1.2.2 UI Mode

This tool does not support to be run in UI mode.

1.3 Failure Case

In case the tool failed to run, the tool will not generate the output file.