



Bay Trail System Firmware Update Driver

Release Notes

April 2013

Revision 0.6

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Revision History

Date	Revision	Description
March 2013	0.5	Initial release.
April 2013	0.6	No changes.

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1 Bay Trail System Firmware Update Driver Release Notes

The release of Bay Trail System Firmware Update Driver package is for OEM's reference on implementation. OEM can create FOTA solution based on this.

OEM should refer to BIOS writer's guide on FOTA implementation in BIOS part. BIOS implementation is not included in this package.

Note: Supporting operating systems: Windows* 8 and Windows* Blue

1.1 Packaging List

- CapsuleGen package
- DFUDriverGen package
- SystemFwUpdStitcher

1.2 FOTA Capsule Build Guide

1. Create the VLV_SYS_FW_UPD.bin

```
GenSysFwUpdImage.exe -bios <3MB Signed BIOS image> -sec <VLV_SEC_UPD Image> -out VLV_SYS_FW_UPD.bin
```

2. Create the BIOSUPDATE.FV. "XXX" here needs to be increased per build.

Clean all files under CapsuleGen directory, keep only the GenCapsule.exe

```
GenCapsule.exe -cur <version_XXX> -min 0 -dxe <SysFwUpdateCapsuleDxe.efi path> -b <VLV_SYS_FW_UPD.bin path>
```

This will output BIOSUPDATE.fv <<THIS ONE will need to be released for FOTA>>

Rename BIOSUPDATE.FV to sysfwXXX.bin

3. Create the firmware update driver (signed and unsigned). Here, <aaa.bbb.ccc.ddd> needs to be increased per build as well. "XXX" here must be the same as step 2.



Clean all files under DFUDriverGen/fwpackage

```
DFUDriverGen.exe /dver <aaa.bbb.ccc.ddd> /fver <XXX> /guid {b122a262-3551-4f48-8892-55f6c0614290} /prov Intel  
/desc "Baytrail System Firmware" /vend "Intel Corp" /path <Path to sysfwXXX.bin>  
/sign
```

Wait 6 seconds and then copy the generated files under fwpackage directory.
Copy to the release directory/signed_driver/
- <<THIS ONE needs to be released for FOTA, and also the files under cert need to be released as well>>

Clean all files under DFUDriverGen/fwpackage

```
DFUDriverGen.exe /dver <aaa.bbb.ccc.ddd> /fver <XXX> /guid {b122a262-3551-4f48-8892-55f6c0614290} /prov Intel  
/desc "Baytrail System Firmware" /vend "Intel Corp" /path <Path to sysfwXXX.bin>
```

Wait 6 seconds and then copy the generated files under fwpackage directory.
Copy them to the release directory/unsigned_driver
- <<THIS one needs to be released and will need to be signed by PIV>>