Intel® Platform Flash Tool

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Revision History

Document Number	Revision Number	Description	Author	Revision Date
N/A	3.0.0	• Updates for PFT 3.0.0 release	Broquère, Xavier	August, 2012
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N/A	5.3.1	• PFT 5.3.1 release Update Broxton downloader	Broquère, Xavier	June 30th , 2015
N/A	5.3.2	• PFT 5.3.2 release Update ADB/fastboot	Broquère, Xavier	July 31th , 2015
N/A	5.3.3	• PFT 5.3.3 release Support new dnxFwDownloader tool for Broxton devices (replaces dldr and dldrCli) Support Broxton parallel flash Update ADB/fastboot in Mac OS package Update dfu-util version to 0.8.1 (Windonw & Linux) & 0.7.1 (OSX)	Broquère, Xavier	Oct. 8th , 2015
N/A	5.3.4	• Updates for PFT 5.3.4 Add Atlas Edge support Fix clear RPMB command in dnxFwDownloader Remove JLink version check at startup	Broquère, Xavier	October 14th, 2015
N/A	5.4.0	• Updates for PFT 5.4.0 New tool name: Platform Flash Tool Adb/fastboot update Dfu-utils update to 0.8.2 (parallel flash support) Update Dldr API to 1066	Broquère, Xavier	January 27th, 2016
N/A	5.4.1	• Updates for PFT 5.4.1 Fix cflasher with no X server Dfu-util updated to 0.8.3	Broquère, Xavier	Feb. 1st, 2016
N/A	5.4.2	• Updates for PFT 5.4.2 Do not specify –path option to dfu command by default	Broquère, Xavier	Feb. 3rd, 2016
N/A	5.5.0	• Updates for PFT 5.5.0 Support PCIe Modem Support new JSON Flash file V3.1 format DownloadTool / FlsTool update ADB/fastboot update	Broquère, Xavier	March 15th, 2016
N/A	5.5.1	• Updates for PFT 5.5.1 Update dfu-util to 0.8.4 (--path option is not supported on Ubuntu 12.04) Support 'ptest' mode of Sofia devices	Broquère, Xavier	March 24th, 2016
N/A	5.6.0	• Updates for PFT 5.6.0.2 Upgrade to Qt 5.5.1 Update of DownloadTool 2.6.0 Add ias-spi-programmer tool on Ubuntu	Broquère, Xavier	June 03rd, 2016
N/A	5.7.1	• Updates for PFT 5.7.1 Update DLDR API to 1108 Use new DnX drivers (DnX drivers for legacy platforms ; Flash Drivers for BXT-based platforms)	Dartigue, Cyril	August 18th, 2016

		Update BXT-based secure tokens to cope with CSS convention		
N/A	5.8.0	• Updates for PFT 5.8.0 Add "ABL" knob to BXT OEM Unlock token	Dartigue, Cyril	September 1st, 2016
N/A	5.8.2	• Updates for PFT 5.8.2 Fixes for running on Ubuntu 14.04	Deep, Ashesh	February 3rd, 2017
N/A	5.8.3	• Updates for PFT 5.8.3 Support for macOS 10.12.3 Support for Ubuntu 16.04	Deep, Ashesh	February 24th, 2017
N/A	5.8.4	• Updates for PFT 5.8.4 Update DLDR API to 1171 V4 DnX support of larger FW images Update adb to veriosn 1.0.39 Update fasboot to version 3db08f2c6889-android Update Crashtooluploader to 1.3.2 Fixed Auto-updater and artifactory issue	Deep, Ashesh	May 02nd, 2017
N/A	5.8.5	• Updates for PFT 5.8.5 Support of ioc_flash_server in OEM version for Ubuntu	Deep, Ashesh	October 03rd, 2017
N/A	5.8.6	• Updates for PFT 5.8.6 Update for CSE firmware version 3.1.50.2222 Update for ABL Payload knob (32-bit selection) Update for token signing with remote-HSM (User credentials are not mandatory)	Deep, Ashesh	December 19th , 2017
N/A	5.8.7	• Updates for PFT 5.8.7 Added new platform KSL in token generation. Updated CSE firmware 7063 (LKF Support). Added binary to xml token generation feature for BXT. Added product id for LKF.	Deep, Ashesh	March 29th, 2018
N/A	5.8.8	• Updates for PFT 5.8.8 Updated DownloadTool V2.89 Added Token generation and signing support for LKF platform Added support for ICL platform in security Added IoC_flash_server 1.6.3 support for internal release Change EDSS key UI for getting the user permission for token	Deep, Ashesh	July 6th, 2018

N/A	5.8.9	• Updates for 5.8.9 Added IOC flash server support for Windows OEM Updated IOC flash server app version 1.6.3 for OEM Added ABL and BIOS Secure Boot knobs in Intel unlock token and IDLM unlock token for Broxton	Deep, Ashesh	August 9th, 2018

1 Introduction

Intel® Platform Flash Tool is a cross platform software package that includes a command line and graphical user interface for flashing firmware, OS image and Modem, pushing data and installing Android* Application Package (APK) files on multiple Intel® platforms.

1.1 Terminology

Table 1-1: Terminology

Term	Description
PFT	Platform Flash Tool
APK	Android* Application Package file, used for distributing Android* software
OS	Operating System
xFSTK	Cross-Platform Firmware Software Tool Kit
USB	Universal Serial Bus
GUI	Graphical User Interface
FDK	Firmware development kit
EDK2	EFI development kit 2
UEFI	Unified Extensible Firmware Interface

2 Features

2.1 New features and enhancements

Main changes in 5.8.9 since 5.8.8:

- Added IOC Flash Server support for Windows OEM.
- Updated IOC flash server app version 1.6.3 for OEM.
- Added ABL and BIOS Secure Boot knobs in Intel unlock token and IDLM unlock token for Broxton Platform.