# About

This program was designed to streamline the many of the processes we experience as technicians. This includes scripts for updating firmware on docks and getting a newly imaged machine ready for issue. This program is far from complete, and I welcome any contributions from my colleagues.

Please send any issues or feedback to: brandon.farmer@hatch.com or Koupa.taylor@hatch.com

Full Program location: AUA IT Team -> Files -> FieldTechTool_Full

For the program to run properly, you must use an **Administrator PowerShell session** and navigate to the program's root folder, '**FieldTechTool_Lite'**. If you choose not to use admin, executables requiring elevation will prompt for credentials each time. From there you can run the application using `**.\run_app.ps1**`.

# Changelog

Version: 3.3

Release date: 05/03/2025

Changes:

Minor UI updates and refactoring of querying remote machines.

Version: 3.2

Release date: 28/02/2025

Changes:

Refactored ad hoc USB approval with recent Intune changes.

Version: 3.1

Release date: 18/02/2025

Changes:

Feature update for diagnosing issues with remote desktops.

Version: 3.0

Release date: 11/02/2025

Changes:

Major UI update by Taylor, Koupa. Application functionally the same.

Version: 2.6

Release date: 22/01/2025

Changes:

Updated graphics card executables to the latest version.


Version: 2.5

Release date: 10/01/2025

Changes:

Updated scripts and UI in collaboration with Taylor, Koupa. General updates of software and instructions on downloading. Major UI revision in the works.

Version: 2.4

Release date: 30/07/2024

Changes:

Implemented script suggested from Stock, Jack to get the hardware information for the Elitebook 840 G9. This option is selectable from User admin menu such as the robocopy option.

Version: 2.3.1

Release date: 30/07/2024

Changes:

Updated logic in the Install-Graphics function within "Scripts\Administration\DPLink_HPIA_Final_Updates.ps1" further to significantly reduce the number of Graphics drivers to support (from 6 to 2). These drivers cover the most machines and are constantly up to date. These were decided using the 'most intensive' driver's supported devices tab on the download page and ended up being the GPU intensive and Studio G10 drivers respectively, totalling about 1.5GB for the addons from 2.7GB.

Version: 2.3

Release date: 05/07/2024

Changes:

Updated logic in the Install-Graphics function within "Scripts\Administration\DPLink_HPIA_Final_Updates.ps1" for wildcards. Enables the correct card to be chosen when Nvidia/Microsoft 'slightly' changes the card's name in the output of the PowerShell command `Get-CimInstance -Classname Win32_VideoController`

Version: 2.2

Release date: 17/05/2024

Changes:

Modified Robocopy menu option to take a network path such as `\\briitnas01\backups` and perform the user backups using the same Lastname, Firstname folder structure. A hashmap was used for convenience with common network folders such as `\\briitnas01\backups`. All choices and drives are case insensitive.

Version: 2.1

Release date: 03/05/2024

Changes:

Integrated Graphics support for Studio G10

Version: 2.0

Release date: 20/02/2024

Changes:

Option 1 in the User Administration menu now queries for graphics cards and initiates install. Current supported cards are FireFly G10, Zbook Studio G9, Zbook Studio G8, Create G7, and Standard, CAD, and GPU-leased machines.

Toggle feature (Option `t`) implemented in the main menu to move the Add-ons folder and switch to full version.

Version: 1.8

Release date: 12/01/2024

Changes:

Completed refresh of UI. Robocopy now implements multithreading for efficiency. HPIA updated to 5.2. This completes Version 1.

Version:  1.7  (Penultimate)

Release  date:  13/12/2023

Changes:

Implemented feature in Machine Diagnostics to retrieve details from logs and save dump files.

**Note: After a refresh of the UI, this tool will be finished with Version 1.

Version: 1.6

Release date: 07/12/2023

Changes:

Implemented Machine Summary option in Diagnostics Menu.

Version: 1.5

Release date: 23/11/2023

Changes:

Implemented Robocopy option in User menu. Still requires that you manually map '\\briitnas01\backups' as a network drive as a prerequisite. No longer matters which letter it is mapped to and will find it before continuing.


Version: 1.4

Release date: 22/11/2023

Changes:

Implemented control logic for user simulation option (2) in Machine diagnostics menu. Now implements a minimized PS session and time gaps in the main program for tech to cancel simulation.

Version: 1.3

Release date: 22/11/2023

Changes:

DisplayLink updated to 11.2 with Hotdesking feature.

G4 dock firmware updated.

G5 dock ethernet firmware updated.


Version: 1.2

Release date: 20/11/2023

Changes:

Implemented user simulation option (2) in Machine diagnostics menu (**USE WITH CAUTION**)


Version: 1.1

Release date: 13/11/2023 (zero day)

Changes:

Implemented G4 dock option in Dock menu


Version: 1.0

Release date: 13/11/2023

Changes:

User administration: Option 1 implemented.

Dock menu: All options implemented except for G4 dock.

Main menu: Cleanup option `rm` implemented.