

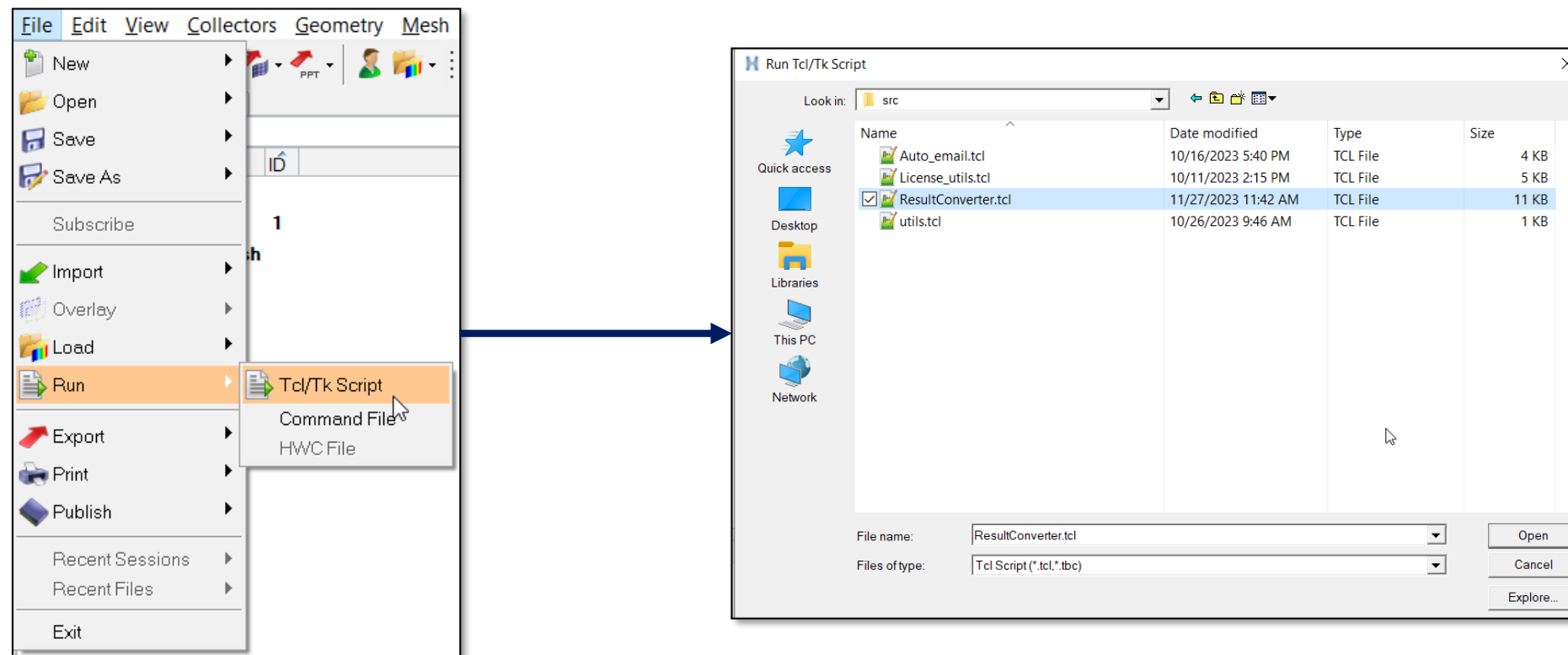
Result Converter

Introduction

- Process automation tool has been developed to convert d3plot format results into h3d results while allowing flexibility in data types
- Tool has capability to look into nested sub-directories and get results for conversions

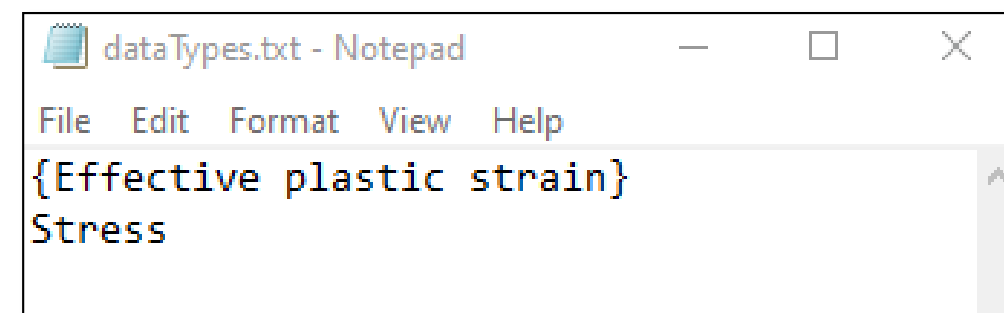
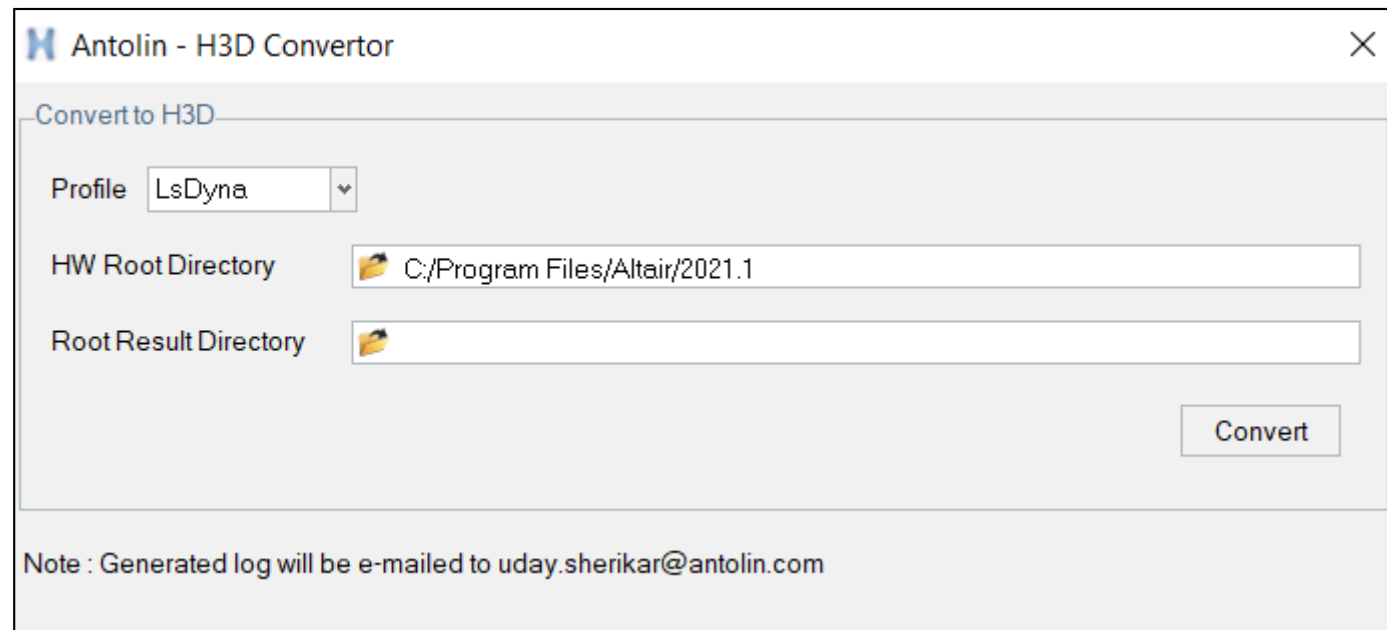
Launching

- Select File > Run > Tcl/Tk Script > ResultConverter.tbc



User Guide

- Profile : Select parent result type. Default profile is LsDyna
- HW Root Directory : Select HyperWorks installation root directory. The tool utilizes HvTrans.exe from the chosen HW directory
- Root Result Directory : Select directory containing all results
- Manage results : User can control the result types to be written in h3d file using **dataTypes.txt**



Key features

- Batch Processing with HvTrans: H3DResultConvertor PA invokes HvTrans.exe in batch mode, streamlining the result conversion process
- Customizable Data Types: The tool utilizes a 'dataTypes.txt' file to store a list of data types that need to be included in the H3D file. You can edit the 'dataTypes.txt' file as per the requirements. Default data types are "{Effective plastic strain}" and "Stress"
- Efficient Result Search: PA will efficiently identify d3plot results within nested sub-directories, automatically converting them into H3D files
- Simplified Result Output: Tool writes the H3D result in the same directory with the name 'main.h3d'
- Auto Email Logs: The tool generate and auto email logs to me. While this feature is still in beta phase, once stabilized, it can be implemented into other process automation tools, enhancing overall functionality

Pre-requisites

- Internet connection : Laptop/Desktop should be connected to internet
- Python installation : Python should be installed on your system
- Install python library : Execute "pip install pywin32" in windows command prompt. It is one time activity which install necessary python libraries

```
C:\Users\uday.sherikar>pip install pywin32
```