Creating Supply Record using Raw Supply Data

The supply records are one of the inputs required to run MARATHON simulations. This Executable Jar File was developed to automate the process of creating the Supply files used by MARATHON. This Executable Jar File produces the final Supply file using the raw 309 format supply data. This tutorial provides step-by-step instructions on how to run the program from start to finish. Follow the steps presented below to learn how to create the final Supply Record using from the 309 format supply data.

Step 1: Running the Supply file Creation Script

1. Create a new folder called *Final Inputs*. The location of this folder does not matter. This is where all of the final Supply file and formatted inputs to the Supply files will be stored. **Note: this is the same folder where the files for the demand records are stored.**

2. It is important to keep the naming conventions consistent. Save each input file with the original given supply file name.   All the original files given, are received as a Text Document (.txt). The final output of the executable file will have have **FORMATED_** in front of the original filename.

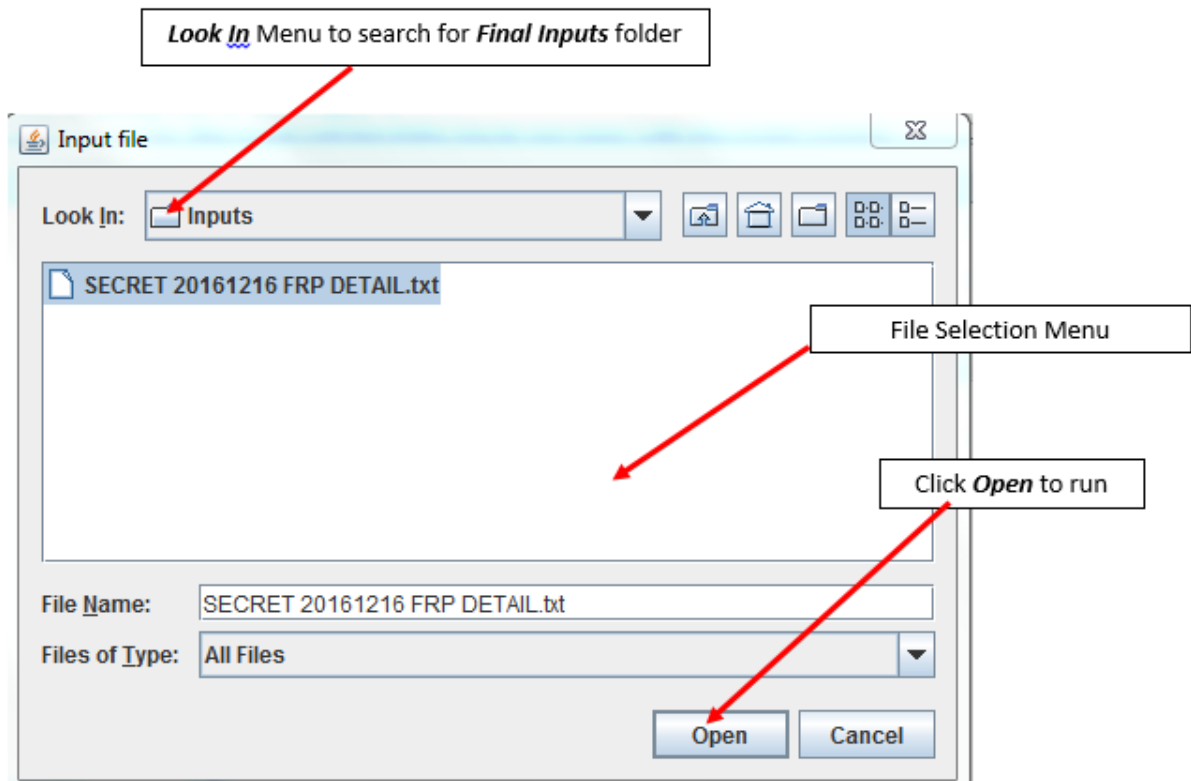   Filename examples for 20161216 input and output supply files:
   Raw Supply File name: SECRET 20161216 FRP DETAIL.txt
   Final Supply Record File name: FORMATTED_SECRET 20161216 FRP DETAIL.txt

3. If any of the input files are opened in Excel, **close them** before running the script. The script will fail if the inputs are open with the script running.
4. Open the Executable Jar file called *BuildSupply* from located in the *V:_Study Files\BuildSupply* folder. Open the Jar file by either double clicking on it or by right clicking and selecting open with JRE (Java Runtime Environment).
5. Make sure the raw supply file is stored in the *Final Inputs* folder (the same location as the demand records).

6. Once the Jar file is opened, a file selection menu will pop up. In the menu, locate **Final Inputs** directory using the arrow on the **Look In** menu, where all the input files are stored and click open. (The raw supply file should appear in the menu window, once in the **Final Inputs** directory. If you cannot see the raw supply file name in the menu window, then you have selected the wrong folder).
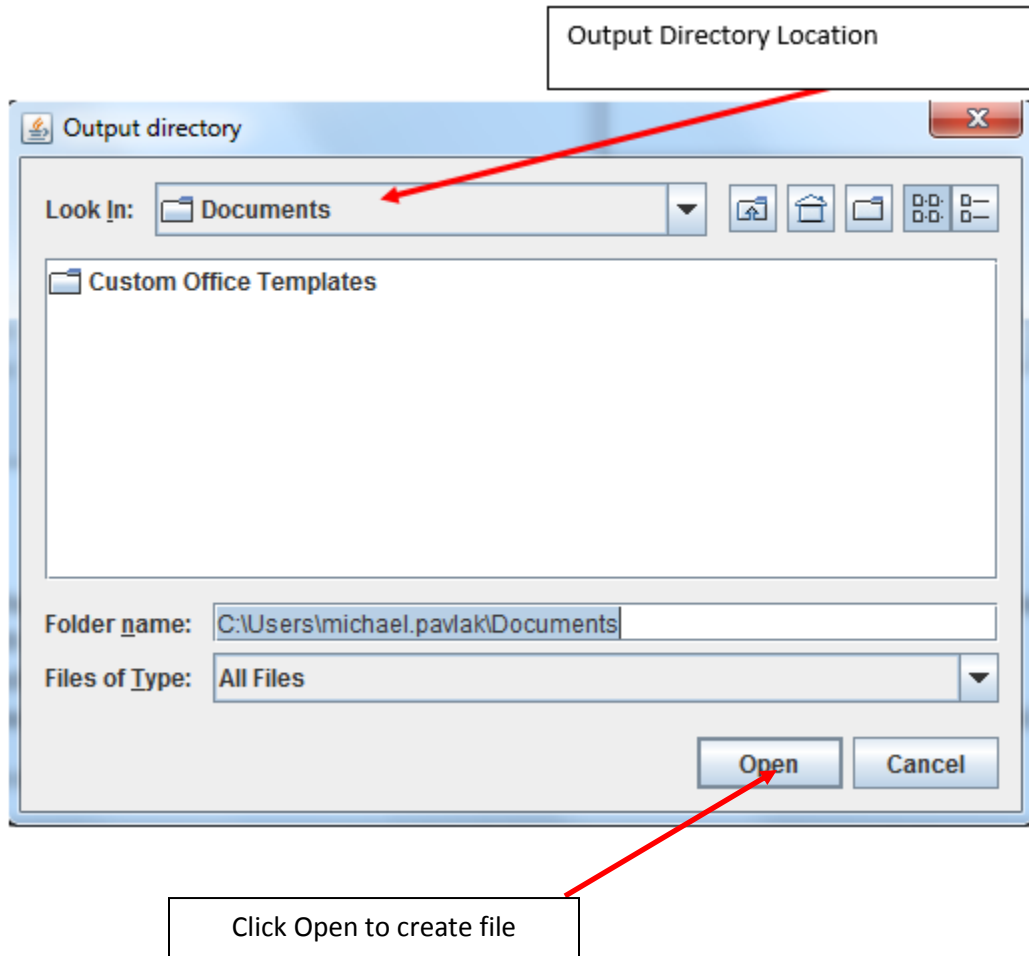
Visual Example of menu window once correctly selected from the **Final Inputs** directory:

7. Once you have selected the correct raw supply file and see it in the menu window, click open.
8. A new output directory menu will appear. Now select the location where the final supply file should be located. This is the establishing the final resident location of the supply file

9. For consistency and to avoid confusion, it is recommended to place both supply and demand files in the **Final Inputs** folder.

   Visual example of output directory menu:

Output Directory Location

Click Open to create file

10. Once you have selected the output directory, click open to create the final supply file.

11. Inside of the **Final Inputs** directory, if there are no errors, a Supply file with the name "FORMATTED_[filename].txt" will be located within the **Final Inputs** folder.
    To check the output for the new supply record, look in the **Final Inputs** folder.