**Bot 1 – Daily Placement**

1. This process needs two input files one MH file (**KMH510D1\_190530.csv**) and any one Client file (**NAVIGANT\_INV\_20190531.xlsx**). Bot will pick the MH file by finding yesterday’s date (30 May 2019) from the current date and Client file by current date
2. Then the Bot will verify the **Activity Date** column data in both the files if both are having same activity date then only bot will process the file otherwise it terminates the process and generates a log file saying that activity dates are mismatched and it goes for next client
3. If activity dates are matched, it reads all the data from MH file and it will filter the data based on Client, If Client is Navigant it filters MH file by its last column(COS) containing only NA, NE and It creates an output file **NAVIGANT\_Output\_190531.xlsx** with the sheet **MH** and writes into it
4. Then It reads all the data from Client file (**NAVIGANT\_INV\_20190531.xlsx**) and writes into Output file **Navigant** sheet as it is
5. Now the Bot will pick each record from MH sheet and compare it with Navigant sheet data if it is mismatched, it will create a sheet **MH Not Navigant** and write into it
6. In the same way, Bot will pick each record from Navigant sheet and compare it with MH sheet data if it is mismatched, it will create a sheet **Navigant Not MH** and write into it
7. Then from the MH sheet it groups the cos column and calculates number of records and sum of **AR Balance** column data for each group and it will create a sheet **MH summary** and writes into it
8. In the same way, from the Navigant sheet it groups the cos column and calculates number of records and sum of **Account Balance** column data for each group and it will create a sheet **Navigant summary** and writes into it
9. Then it will send a email notification for the process completion
10. Finally, it will import all the logs to one excel file which are written into database while processing each above steps

**Bot 2 – Daily Placement**

1. This process needs one input file, i.e. MH file (**KMH510D1\_190530.csv**), Bot will pick the MH file by finding yesterday’s date (30 May 2019) from the current date
2. It reads all the data from MH file, it groups the data by **cos** column and calculates number of records and sum of **AR Balance** column for each group and along with these three columns it will add one more column **Activity date** which it will get from MH file
3. Then Bot will search for the **FY 2018-2019 Weekly Placements-Returns-Reconciliation Tracker.xlsx** filein output folder and it will append the above generated summary into **Data Tab\_Dailies Placement** sheet
4. Then it will send a email notification for the process completion
5. Finally, it will import all the logs to one excel file which are written into database while processing each above steps

**Bot 3 - Inventory**

1. This process needs one input file, i.e. MH file (**Agency\_Recon\_combined\_190519.txt**), Bot will pick the MH file by current date (31 May 2019)
2. It reads all the data from MH file, then it splits the data based on Pipe Symbol (|) and creates a output file **Inventory\_Data\_190531.xlsx** with the sheet **Data** and writes the splitted data into it
3. Then Bot will generate a **Pivot table** based on the data in **Data** sheet and creates a sheet **Pivot Table** and writes into it
4. Then Bot will read all the data from **Data** sheet in output file, from this data it will generate summaries for the cos groups (({BA, BE}, {CL, N1, NE})) mentioned in Config file and creates a sheet **Summary** and writes into it
5. Then it will send a email notification for the process completion
6. Finally, it will import all the logs to one excel file which are written into database while processing each above steps

**BOT 4 – Inv Weekly Comparison**

1. This process needs two input files one MH file (**Agency\_Recon\_combined\_190526.txt**) and any one Client file (**NAVIGANT\_INV\_20190528.xlsx**). Bot will pick the MH file by finding last Sunday date (26 May 2019) from the current date and Client file by current date (28 May 2019)
2. Then Bot will filter MH file data based on Client, If Client is Navigant it filters MH file by its first column containing only NA, NE
3. Now the Bot will pick each record from MH file and compare it with client file data if it is mismatched, it will write it into **MH Not Navigant**
4. Then Bot will search for all 0 values in **AR Balance** column in **MH Not Navigant** and it will delete those records from **MH Not Navigant** Data.
5. Now the Bot will pick each record from Client file(**NAVIGANT\_INV\_20190528.xlsx**) and compare it with MH data if it is mismatched, it will write it into **Navigant Not MH**.
6. Then Bot will search for all 0 values in **Account Balance** column in **Navigant Not MH** and it will delete those records from **Navigant Not MH** Data.
7. Then it will send a email notification for the process completion
8. Finally, it will import all the logs to one excel file which are written into database while processing each above steps