

User Guide

HQ

Project Money Service

TEAM SOUTH

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1. Configuration (Set up program)

A filename including path for a configuration file needs to be supplied to the program. Picture below shows an example on how the contents of the configuration file could look like.

1.1 Configuration file

General

- All files and parameters need to have format according to below
“description = value” where the “=” sign is important
- If Reference currency is changed the files in folder “DailyRates” needs to be updated
- If more currencies should to be supported they need to be added to the reference currency file
- A currency is defined by 3 letters all in UPPERCASE for example SEK

Files that need to be defined buy user

- **Configuration file – Format .txt -> Will be added to the program as an argument**
NB! Full path needs to be included

Parameters that need to be defined buy user


- Sites – The name of one or more sites
- BoxOfCash currencies needs to be same as supplied to the site at that date
- ReferenceCurrency – The local currency

Optional parameters that can be customized

- Logformat (Default: text)
- Loglevel = (Default: ALL)
- TransactionFee = (Default: 0.005)
- PathTransactions = (Default: Transaction) - folder in same directory
PathSiteReports = (SiteReports) - folders in same directory

Logging (only for administrators/developers)

- Logformat = Defines the format of the file (text or xml)
- Loglevel = Defines how much that should be logged

 ProjectConfigHQ_2021-04-01.txt - Anteckningar

Arkiv Redigera Format Visa Hjälp

```
Logformat = text
LogLevel = All
Sites = {NORTH, EAST, CENTER, SOUTH, WEST}
BoxOfCash
AUD = 1500
CHF = 1500
DKK = 10000
EUR = 5000
GBP = 2500
JPY = 20000
NOK = 10000
RUB = 30000
USD = 2000
SEK = 50000
End
ReferenceCurrency = SEK
PathTransactions = Transactions/
PathSiteReports = SiteReports/
PathOrders = Orders/
PathDailyRates = DailyRates/
```

1.2 Folders needed

Folders that needs to be used for statistics

NB! If names are changed it has to be configured in Configuration file

- **Configs:** Holds all files that is used for configuration of the program. Must match the same date as Config file for Site to get correct box of cash.
- **DailyRates:** Holds all files that is used for currency rates for each day
- **Orders:** Holds all files with all orders (approved and not approved)
- **SiteReports:** Divided in subfolders for each site. Holds all files with the cash up after each day in Site
- Transactions:
 - *Sitename – Sub folder*
Holds all approved transaction for each day

2. Using the program

2.1 Start menu

At start up the available Sites will be presented, se Figure 1. The user has the option to separate the statistics for one of the sites or for all the sites by typing the number choice of "ALL". It is only permitted to enter digits according to the one that is presented, if not an error message will appear, and the user gets another chance to enter one of the choices.

```
-----  
Choose a Site  
  
1 - NORTH  
2 - EAST  
3 - CENTER  
4 - SOUTH  
5 - ALL  
Enter your choice: 6  
6 is not a menu choice!  
-----
```

Figure 1: Start menu for HQ application. All the available sites for statistics will be presented.

2.2 Period menu

After entering a valid site number, the Period menu will appear with choices for period statistics, see Figure 2.

1. Day – Get a report filter by a specific day
2. Week – Get a report filtered by a week according to the calender
3. Month – Get a report over all available statistics for a month

```
-----  
Choose a Period  
  
1 - Day  
2 - Week  
3 - Month  
  
Enter your choice: 1  
Enter start day of Period (YYYY-MM-DD): █  
-----
```

Figure 2: Menu for choosing a period for statistics.

When entered a correct digit according to the menu presented the choice for entering a specific date according to format (YYYY-MM-DD) will appear, see Figure 2.

2.3 Currency code menu

After entering a valid date, a list of available currency codes will appear, see Figure 3. The input must be one of the currency codes in the list with the same format, three letters and all uppercase, example EUR.

```
-----  
Choose a Period  
  
1 - Day  
2 - Week  
3 - Month  
  
Enter your choice: 1  
Enter start day of Period (YYYY-MM-DD): 2021-04-01  
Available currency codes: EUR CHF AUD DKK GBP RUB JPY USD NOK ALL EUR
```

Figure 3: Available currency codes shown in menu.

2.4 Statistics menu

The statistics for the menu will be as presented in the table below, see Figure 4.

Input / Output

Site	Period	Currency	Site	Period	Currency
Single	DAY	Single	Single	DAY	Single
		ALL	Single	DAY	Single+ALL
	WEEK	Single	Single	DAY+WEEK	Single
		ALL	Single	DAY+WEEK	ALL
	MONTH	Single	Single	MONTH	Single
		ALL	Single	MONTH	Single+ALL
ALL	DAY	Single	Single+ALL	DAY	Single
		ALL	Single+ALL	DAY	ALL
	WEEK	Single	Single+ALL	DAY+WEEK	Single
		ALL	Single+ALL	DAY+WEEK	ALL
	MONTH	Single	Single+ALL	MONTH	Single
		ALL	Single+ALL	MONTH	ALL

Figure 4: Table for navigating the statistics.

The statistics will be presented to the console when all the parameters have been supplied. See figure 5 and figure 6 for examples.

```
-----
Choice for statistics:
Site: SOUTH
Period: DAY starting 2021-04-01
Currency: EUR
-----
Statistics for Site SOUTH DAY 2021-04-01 - Currency: EUR
Total   SELL  15907 SEK
Total   BUY   0 SEK
Profit 15907 SEK
```

Figure 5: Example for statistics printed for one site one day.


```
-----  
Choice for statistics:  
Site: SOUTH  
Period: WEEK starting 2021-04-19  
Currency: ALL  
-----  
Statistics for Site SOUTH WEEK 2021-04-19 - Currency: ALL  
Total   SELL   22375 SEK  
Total   BUY    59956 SEK  
Profit -37581 SEK  
  
Statistics for Site SOUTH WEEK 2021-04-20 - Currency: ALL  
Total   SELL   32608 SEK  
Total   BUY    21342 SEK  
Profit  11266 SEK  
  
Statistics for Site SOUTH WEEK 2021-04-21 - Currency: ALL  
Total   SELL   42874 SEK  
Total   BUY    25969 SEK  
Profit  16905 SEK  
  
Statistics for Site SOUTH WEEK 2021-04-22 - Currency: ALL  
Total   SELL   28519 SEK  
Total   BUY    25417 SEK  
Profit   3102 SEK  
  
Statistics for Site SOUTH WEEK 2021-04-23 - Currency: ALL  
Total   SELL    5968 SEK  
Total   BUY    17157 SEK  
Profit -11189 SEK  
  
Statistics for Site SOUTH - SUM PERIOD - Currency: ALL  
Total   SELL  132344 SEK  
Total   BUY  149841 SEK  
Profit -17497 SEK
```

Figure 6: Example for statistics printed for one site one week.