

# PLATFORM MIGRATION

## CASE STUDY:

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### TASK :

One large Employee Benefit Service company of the USA had to migrate its base Clipper application to 64-bit X-Harbour application.

### CHALLENGES :

### RISKS :

- The software had to cater to more than 200 users.
- It was unsystematically developed and maintained over previous 15 years by more than 200 programmers working at different times.
- Detailed documentation was not available.
- There were over 300 Executables, out of which relevant ones were to be identified and migrated.

### PROCESS :

1. By interacting with the customer and by using code repository, relevant Executables were identified which needed to be migrated.
2. Total 102 Executables were identified.
3. Post migration scenario was planned and accordingly the strategy was made for migration.
4. A pilot migration of two Executables was carried out and posted on the post development scenario.
5. Pilot Migration Results were evaluated and strategy for mass Migration was drawn out.
6. Project was executed according to plan.

### PHASES :

#### METHODOLOGY :

The migration was done in three phases:

**Phase I:** Standard migration – Lexical issues' resolution.

**Phase II :** Testing of individual executables and comparison of result set with the existing result set.

#### SPECIAL EFFORT :

For HP printer there was an ESC40 library on Clipper, functionality of which was not available on X-Harbour directly. In order to keep the project on track, our migration team created a library having calls in X-Harbour as in clipper. This ensured no changes in hardware, report formats and user interface with respect to printing in post migration scenario.

**Phase III:** Thorough testing of each and every functionality along with the user participation in the testing (UAT)

**TIME-TAKEN AND RESOURCE USED :**

9 months in real time

10 man years

**RESULT:**

Project completed to the complete satisfaction of the customer on the day planned and running live since then.

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