

Mainframe Migration Solution

Client Background and Business Requirements:

The client had a system running on an old mainframe, whose cost of operation and maintenance was incredibly high. Furthermore, the old configuration parameter and computing capacity were unable to meet the growing needs of the business process. Mainframe's hardware warranty period was about to expire, thus migration of software was imperative.

Beyondsoft Solution :

- Talents adjustments. In addition to social recruitment, some experienced people with mainframe development in other department were temporarily assigned to the team, and training about mainframe was held before the start of the project.
- Cost control. A basic framework that could simulated mainframe's running environment on small servers framework from third-party was introduced. It enabled most JCL could be run directly without modification on small servers, which not only saved time of modification and test, but also met customer's needs on hardware and cost control.
- Technical solutions. We modified existing mainframe data and called the procedures repeatedly, trying to cover as many logics as possible by means of exhaustive methods. Finally the assembly language specifications were "tested" and were rewritten by C language. Since the early graphic interfaces could not be resolved by any migration proposal, the team decided to use Java realize them after negotiation with client.

Client Benefits:

- This project has been completed as scheduled with far less cost than original budget and has been much acknowledged by the client.

