銀行業採用主從架構意願之研究

How to build an ideal information system architecture becomes the most important issue of the chief information officer in the United States. Facing the technology innovation, the acute financial market competition, and the old-fashioned system architecture, it also become a hot issue for the local banking executive to set up a brand-new system with highly security, stability and agility. In this article, we first proposed a framework by literature reviews and expert opinions. The framework, focusing on the Client/Server (C/S) architecture, embraced four dimensions such as alternative IS architectures, feasible applications on the C/S platform, possible inhibitors for using the C/S system, and desirable tasks of outsourcing. Used this framework as a basis, we designed a questionnaire to conduct a field survey on 154 banking information executives. We got 65 valid samples and some findings: (1) Most EDP centers did not heavily rely on the C/S architecture; (2) The feasible applications of the C/S system could be classified as management analysis category;(3) The inhibition to use this new technology was high in general; (4) The results suggested that technological integration, immature of technology and lack of vendors supporting were the most important inhibitors, while learning capability of staffs and career impacts of DP personnel were least important ones; (5) There were no statistically significance between two sets of variables, one was organizational size vs. inhibitors, the other was C/S execution plan vs. inhibitors; (6) The more feasible applications on the C/S platform, the lower inhibitors of adoption; and (7) Some tasks of outsourcing were necessary when partial C/S systems were implemented.