

Abstract

In order to improve school quality by having an educational system, schools require substantial budget and technical personnel which are not possible for schools in the rural area. Software as a Service (SAAS) is a software service that enables small and medium sized organizations to use an application service at low cost and less technical support. Thus, this research assesses SAAS Architecture as an Educational Information system for the schools in the rural areas of Chiang Rai province. The architecture is assessed by Architecture Trade-off Analysis Method (ATAM) which enables the assessment of architecture risks and quality attributes to reach the organization objectives. In addition, ATAM shows how each goal trades off each other. The results show that the quality attributes for SAAS architecture of the studied schools in Chiang Rai province by priority are scalability, reliability and usability respectively. Finally, this paper also shows the tradeoff points and the risk from the architecture approach.