

# Research on Adaptation Behavior of IT Staff in Cloud Computing Environment: Based on the Fuzzy-set Qualitative Comparative Analysis

*Completed Research Paper*

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## **Abstract**

*Cloud computing is a pay-as-you-use service model that provides multiple users with information technology services that meet user needs through the Internet. However, the introduction of cloud computing as an innovative technology has brought new opportunities and challenges to enterprise IT staff. In order to study the adaptive behavior of enterprise IT staff under the complex cloud computing environment factors, we construct an adaptive behavior model from the technical, task, personal and relationship dimensions. The method of fuzzy-set qualitative comparative analysis was used to analyze the adaptive behavior of 307 enterprise IT staff. The results show that there are three path of compliance behavior and two path of resistance behavior for enterprise IT staff.*

**Keywords:** Cloud computing, Adaptation behavior, The fuzzy-set qualitative comparative analysis