



RESEARCH ARTICLE

Management Decisions against Functional Violations of Web Services

M. Mohemmed Sha¹, K. Vivekanandan²

¹Achariya School of Business and Technology, Pondicherry, India

²Pondicherry Engineering College, Pondicherry, India

¹ sahalshas@gmail.com; ² kvivek27@yahoo.com

Abstract— The success of Service Oriented Systems mainly depends on the extent to which the user’s functional requirements are satisfied. The execution of Web services needs to be monitored to know the performance during its operational period. Also it is important to take management decisions to control or modify its operations within the operational environment. In this paper, ten real world web services are monitored to gain knowledge about the deviation from the asserted guarantees by the provider of the Web service. Also appropriate management decisions to update the service to correct the deviations are proposed to reach the assertions mutually agreed by the signing parties of the Web service.

Key Terms: - *Web service; Quality of Service; Service Oriented Systems; Cost of Service*

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