

A FRAMEWORK FOR CONTEXT DRIVEN SERVICE PROVISIONING IN MANETs

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ABSTRACT

Adaptability is one of the challenges of today's mobile distributed systems. Context-awareness has been recognized as an important enabler for adaptability in service provisioning in MANETs. We are trying to showcase the influence and its management in the issue of service provisioning, namely discovery, selection, reselection and rediscovery. We have designed a framework to provide service provisioning in focus to the context manager component which will tackle the context accessing, interpreting, and decision making activities. We describe how this framework can support adaptability to user profile and preferences, network and device capabilities.

KEYWORDS: Mobile Ad hoc networks, Context-management, Policy-based management, Service provisioning