



A Method for Providing Adaptive Quality of Service Across Heterogeneous Networks

End-to-end Quality of Service (QOS) across multiple Service Level Agreement (SLA) domains is highly dependent on the performance limitations of individual domains—meaning end-to-end QOS expectations may not consistently be fulfilled. Although domain SLA management can optimize performance for all services it typically focuses on high-value services with individual mission oriented services not getting the best performance. Additionally, legacy domains often can not support end-to-end QOS needs.

The JHU/APL technology is a network management service built on distributed Observation and Adaptation Service Points (OASP) to provide end-to-end Quality of Service (QOS) optimized for Information Service Providers and Mission Operators by leveraging well performing network domains and avoiding stressed network domains. This technology leverages traffic rerouting to have more control in optimizing QOS for critical mission oriented services. The technology adapts application services to operate in dynamic network conditions by using a policy-based approach to achieve automation but provides human-override capability.

For commercial applications this technology could be offered as a service to information providers who offer informational application services to their customers over the internet.

JHU/APL is currently seeking a licensee for this technology.

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