Packet Encryption and Scheduling to Enhance Security

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Abstract - Literature reported that the internet has become a commercial entity that need to provide its customers with quality-of-service (QOS) guarantees. Real-time network applications have been congesting the internet. To provide the real- time network applications with the QoS guarantees, network technologies were developed by applying a scheduling algorithm. Conventional schedulers focus on the timing constraints but are such less effective in satisfying the security requirements. In this paper, an adaptive security- aware scheduling system for packet switched networks using a multi-agent design model is used. The system combines scheduling with security service enhancement .