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### Security Aware Scheduler.

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Abstract- It has been observed from literature 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 much less effective in satisfying the security requirements. In this paper, an adaptive security-aware scheduling system for packet switched network is used. The system combines scheduling with security service enhancement (authentication security service). The scheduling unit uses the Diff-EDF scheduler and the security enhancement scheme adopts a congestion control mechanism. This paper helps meet both QoS and security requirements for data flows.