ABSTRACT

IPS (Intrusion Prevention System) is an important component for protecting computer system in computer network. Basically an IPS is an IDS (Intrusion Detection System) with some added components so it can perform spesific security actions when an intrusion is detected by IDS. An IPS consists of the following components: NIDS (Network Intrusion Detection System) to capture all network traffic flows, analyze the content of individual packets for malicious traffic and generate security events.The second component is a central rules engine that captures the security events and generate alerts based on the events received. The third component is a console to monitor events and alerts and control the NIDS. IPS that will take action based on the alerts and attempt to block the malicious traffic.

IPS Management System is a software which can help network administrator to control the IPS. IPS Management System provide access for network administrator to manage its network security exspecially web server via web based user interface.

Keywords : network security, IPS, IDS, NIDS, traffic flows, mallicious traffic.