NETWORK PROTOCOL ANALYZER FOR ANALYZING AND MONITORING NETWORK TRAFFIC BY USING FILTERS

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Abstract

Network Protocol Analyzer (NPA) with filter monitors exactly what is happening on Network/LAN & analyzes / observes what other users are doing. NPA is a tool used to capture the traffic on the Subnet & display real time statistics while capturing packets.NPA is also known as packet sniffer, network analyzer & Ethernet analyzer.In this paper we are analyzing network traffic & controlling network by using filters. For that we are using runtime statistical & graphical representation as well as applying different constraints over attributes of LAN/Host. The system displays different attributes of LAN/Host likewise list of IP addresses that are active on the network, Display different protocol information sent, Source MAC, Destination MAC, Host name, Packet capture time , Length,etc. NPA detects protocol misbehaviors and failures in networks, it is required to analyze these protocols and inspect interactions among them. Filters plays important role for controlling packets which misbehaves.