

## Intrusion Detection System (IDS)

A device or software that offers cyber security Discovery of invasions and attacks Performing Deep Packet inspection techniques Types of IDS based on target of monitoring

Host Based IDS

Network Based IDS

Types of IDS based on Detection Signature Based IDS Anomaly Based IDS

### Snort

Powerful and popular network IDS Free and open source software. Supported by wide range of rules Ability to perform Deep Packet inspection Real time traffic analysis on networks. Modes



Packet Logger



Snort rule contain rule header and rule option

**Rule Header :** Syntax before the parenthesis Syntax Enclosed within parenthesis

# **Power Efficient Circuits for Intrusion Detection using Memristor Crossbars** VenkataRamesh Bontupalli, Raqibul Hasan Tarek Taha

**Rule Options:** 





