**iptables**
Packet Filter

**Datastore**
Hash table of ring buffers

*Monitors datastore for threshold crossings, updates iptables and sends notification of actions taken.*

**Capture Loop**
Records incoming packet counts on a per host basis within the datastore.

**Data Loop**
Monitors datastore for threshold crossings, updates iptables and sends notification of actions taken.

**libpcap**
Reads incoming traffic from the NIC based on a packet capture filter.

**Internet**

**Application Server**
DNS, SMTP, HTTP, SSH, etc..

**NIC**
Network Interface Card

**iptables**
Packet Filter

**Application**
DNS, SMTP, SSH, etc...

**PHREL**

**Datastore**
Hash table of ring buffers

**IP Filter**
include / exclude

**Capture Loop**
Records incoming packet counts on a per host basis within the datastore.

**Data Loop**
Monitors datastore for threshold crossings, updates iptables and sends notification of actions taken.

**SNMP Trap**

**Syslog**

**NMS Server**
SNMP Trap Collector

**Syslog Server**
Syslog Message Collector