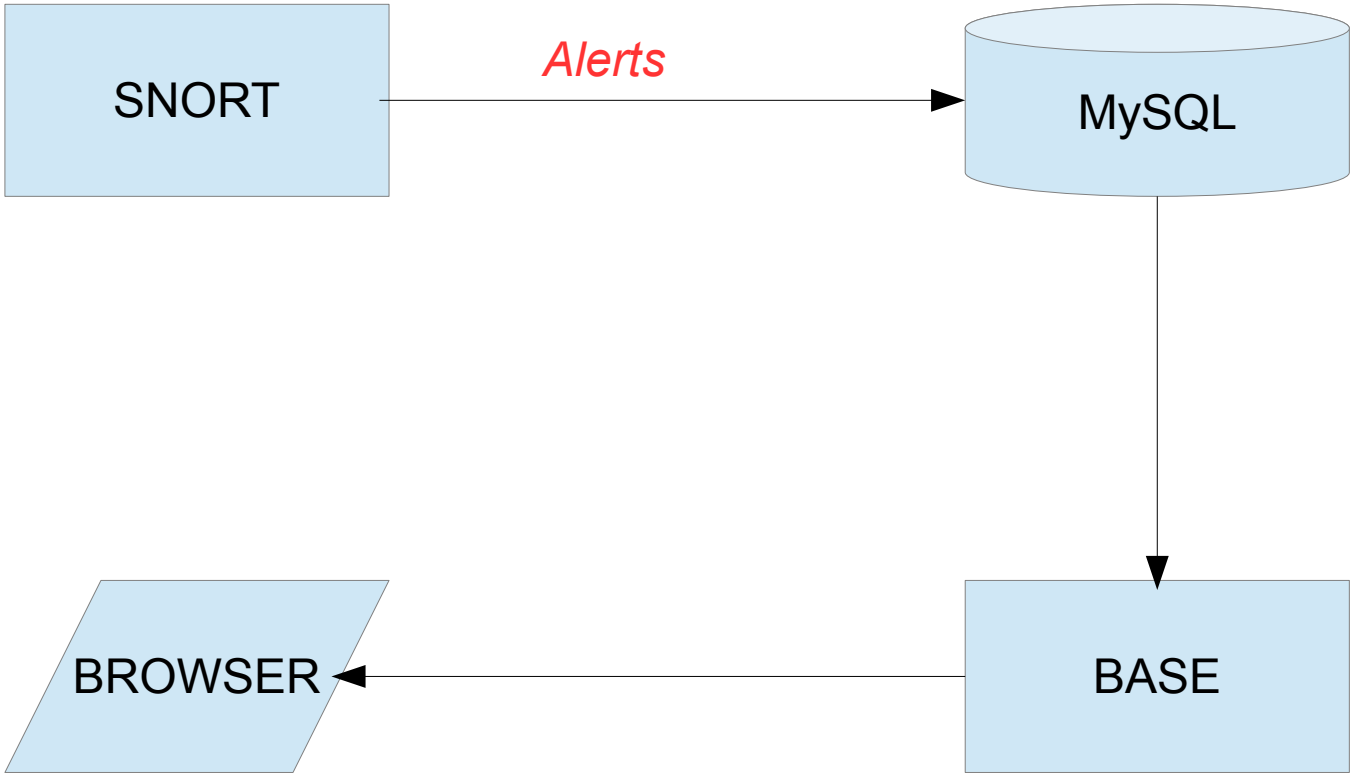
Reporting

BASE - Basic Analysis and Security Engine

Based on the code from the Analysis Console for Intrusion Databases (ACID) project

Provides a web front-end to query and analyze the alerts coming from a SNORT IDS system

BASE



Basic Analysis and Security Engine (BASE)

- Today's alerts:	unique	listing	Source IP	Destination IP
- Last 24 Hours alerts:	unique	listing	Source IP	Destination IP
- Last 72 Hours alerts:	unique	listing	Source IP	Destination IP
- Most recent 15 Alerts:	any protocol	TCP	UDP	ICMP
- Last Source Ports:	any protocol	TCP	UDP	
- Last Destination Ports:	any protocol	TCP	UDP	
- Most Frequent Source Ports:	any protocol	TCP	UDP	
- Most Frequent Destination Ports:	any protocol	TCP	UDP	
- Most frequent 15 Addresses:	Source	Destination		
- Most recent 15 Unique Alerts				
- Most frequent 5 Unique Alerts				

Added 248 alert(s) to the Alert cache
Queried on : Thu December 04, 2014 19:34:39
Database: snort@localhost (**Schema Version:** 107)
Time Window: [2014-11-06 11:35:41] - [2014-12-03 18:21:11]

Search
Graph Alert Data
Graph Alert Detection Time

Use Archive Database

Sensors/Total: 1 / 1
Unique Alerts: 3
Categories: 2
Total Number of Alerts: 562

- Src IP addrs: 1
- Dest. IP addrs: 165
- Unique IP links 165

- Source Ports: 471

- TCP (471) UDP (0)
- Dest Ports: 1

- TCP (1) UDP (0)

Traffic Profile by Protocol

TCP (87%)

UDP (0%)

ICMP (13%)

Portscan Traffic (0%)

Alert Group Maintenance | Cache & Status | User Preferences | Logout | Administration

BASE 1.4.5 (lilias) (by **Kevin Johnson** and the **BASE Project Team**
Built on ACID by Roman Danyliw)

[Loaded in 2 seconds]

Basic Analysis and Security Engine (BASE)

Queried on : Thu December 04, 2014 19:37:49

Meta Criteria	*any*
IP Criteria	*any*
Layer 4 Criteria	*none*
Payload Criteria	*any*

Displaying alerts 1-48 of 165 total

< Dst IP address >	Sensor #	< Total # >	< Unique Alerts >	< Src. Addr. >
4.79.82.143	1	2	1	1
5.39.74.126	1	2	1	1
8.39.37.25	1	6	1	1
8.39.37.35	1	1	1	1
8.39.37.41	1	4	1	1
12.129.199.103	1	1	1	1
12.129.199.104	1	3	1	1
23.4.136.180	1	3	1	1
23.4.137.11	1	6	1	1
23.4.145.199	1	21	1	1
23.4.148.194	1	1	1	1
23.4.150.218	1	8	1	1
23.4.153.139	1	1	1	1
23.9.91.27	1	8	1	1
23.14.133.151	1	2	1	1
23.21.114.59	1	1	1	1
23.23.159.118	1	1	1	1
23.61.194.49	1	1	1	1
23.61.194.56	1	1	1	1
23.61.194.59	1	4	1	1
23.61.194.160	1	8	1	1
23.61.194.161	1	5	1	1
23.61.194.162	1	5	1	1
23.61.194.169	1	4	1	1
23.61.194.170	1	5	1	1
23.61.194.171	1	1	1	1
23.61.194.176	1	8	1	1
23.61.194.178	1	5	1	1
23.61.194.179	1	2	1	1

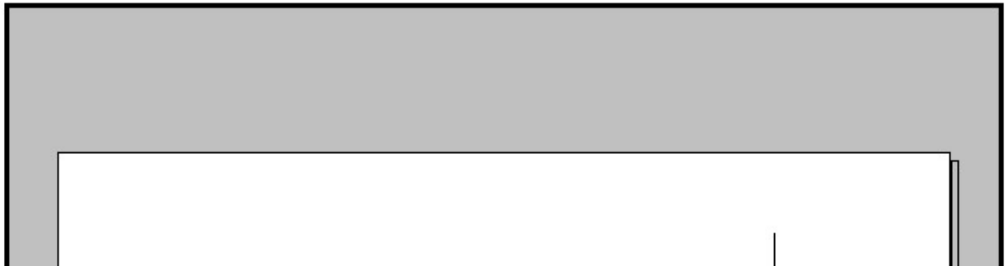
Added 2 alert(s) to the Alert cache

What do you want to know:	Dst. IP address vs. Number of Alerts
How should it be displayed?	As bar line pie
... with a size of:	(width x height) 600 x 600
Do you want to know the data just of a particular time frame? (optional)	**Chart Begin:** {hour} {day} {month} { year } **Chart End:** {hour} {day} {month} { year }
Chart Title:	BASE Chart
How many columns or elements do you want to see?	{all of them}
... and starting from which element on?	From element no. 0

Graph Alerts

X / Y AXIS CONTROLS:

X Axis	Y Axis
Data Source: { data source (AG) } **Minimum Threshold Value:** 0 **Rotate Axis Labels (90 degrees)** **Show X-axis grid-lines**	**Show Y-axis grid-lines**



BASE

Simple Web interface

Provides summary information and built-in reports

Improvements/Future Work

Make network traffic reporting more user friendly

Domain Names in addition to/instead of IP

Automate process to maintain whitelist addresses