NANOG 48

21-24 February 2010

Austin, Texas, USA

AURORA

http://www.zurich.ibm.com/aurora/

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AURORA

- AURORA = Research project, with cool researchy features
- TNPFA = Tivoli's commercial edition
- Why this Lighting talk?
 - Get Operator Input on what problems they see in networks that they might want to get rid off too.

IBM has huge datacenters where AURORA gets deployed, and also at (ext) customer sites, but due to legal etc getting feedback/input is a bit hard as we tend to not be allowed to look at the data sets)

Generic UI

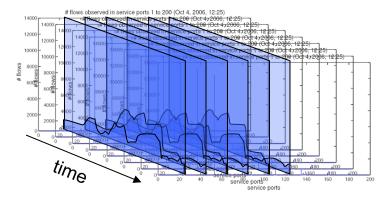
72315		AURORA Marc Stoeckin [mtc] Logout
Analyzer Reports Zoom r	eports Status Configuration	Site:
Analyzer	Application	8
Domain: Other	Hour Day Week Month Year	Octets
Traffic aspects	Normal Trend Pie chart Stacked Lines Linear Log	Reset zoom Fit y-axis Fit x-axis Refresh
Overview	Wed 2008-10-15 15:00:00	0 - Fri 2008-11-14 15:00:00 (UTC+1)
Application		
ASH	4 G	
ASH Application	3.6	
Domain	Evan and a second se	
Flow State	<u>A</u> <u> <u> </u> <u> </u> <u> </u> 2 G <u> </u> </u>	
ICMP	bite (- received / + reur) bite()	n an a' lithe an air an
Protocol		
Exporter & Application		and a sector of the fact, to the set of a sector but
Exporter Interface		
TCP flags		
TOS	-2.6	
Туре		
	-3 G	
	Mon 10-20 Mon 10-27	Mon 11-03 Mon 11-10
		Sent/received direction: Domain location
	Sort direction: Total	Total Sent D Received D Top-7

Sort direction: Total 🛛 🖌		Total		Sent 🗵	Received D	Тор-7
Application Name	Total	Average	Percentage	Total	Total	2 0
нттр	332.18 TiB	1.13 Gbib/s	44.43 %	128.51 TiB	203.66 TiB	•
UNCLASSIFIED	194.33 TIB	659.47 Mbib/s	25.99 %	125.04 TIB	69.29 TiB	X (
NEWS	104.92 TiB	356.05 Mbit/s	14.03 %	61.69 TiB	43.23 TiB	2 0
DATABASE	39.24 TIB	133.15 Mbit/s	6.25 %	38.69 TIB	657.25 GiB	2 0
SSH	27.7 TIB	94.01 Mbit/s	3.71 %	13.9 TiB	13.8 TiB	2 0
SAP	12.98 TiB	44.04 Mbit/s	1.74 %	6.62 TiB	6.35 TiB	
MAIL	8.19 TiB	27.8 Mbit/s	1.1 %	4.78 TiB	3.41 TiB	
FILESYSTEM	6.28 TIB	21.31 Mbit/s	0.84 %	3.01 TiB	3.27 TiB	
WEBSPHERE	4.1 TiB	13.92 Mbibs	0.55 %	3.93 TiB	181.54 OIB	
	0.00 810		0.40.4	0.00 710	10170	00

Some Features

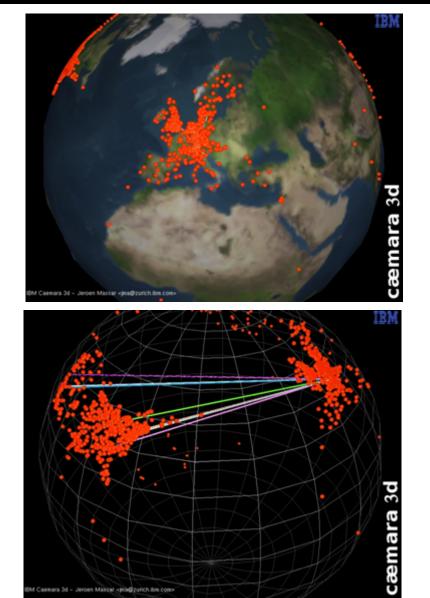
- Intended for large networks >10GE traffic
- Cool thing: one small box to analyze that
 - But AIX runs on extremely big iron if we need to look at a lot more than that ;)
- Supports all Netflow & sFlow
- Network Behavior Modelling component

Which thus detects anomalies etc



Researchy Features

- Caemara3d (->)
- Traffic displayed on network maps
 BGP/ISIS/OSPF based
- Chokepoint estimator for future growth / possible SPOF etc.



What about your network?

- Anything you can't detect?
- Anything you can't resolve?
- Anything you would like to see?

Questions?

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