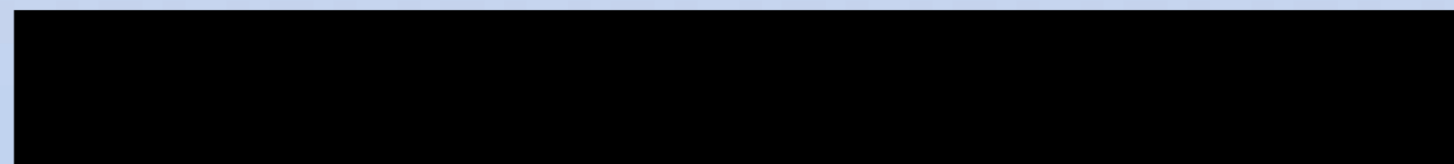


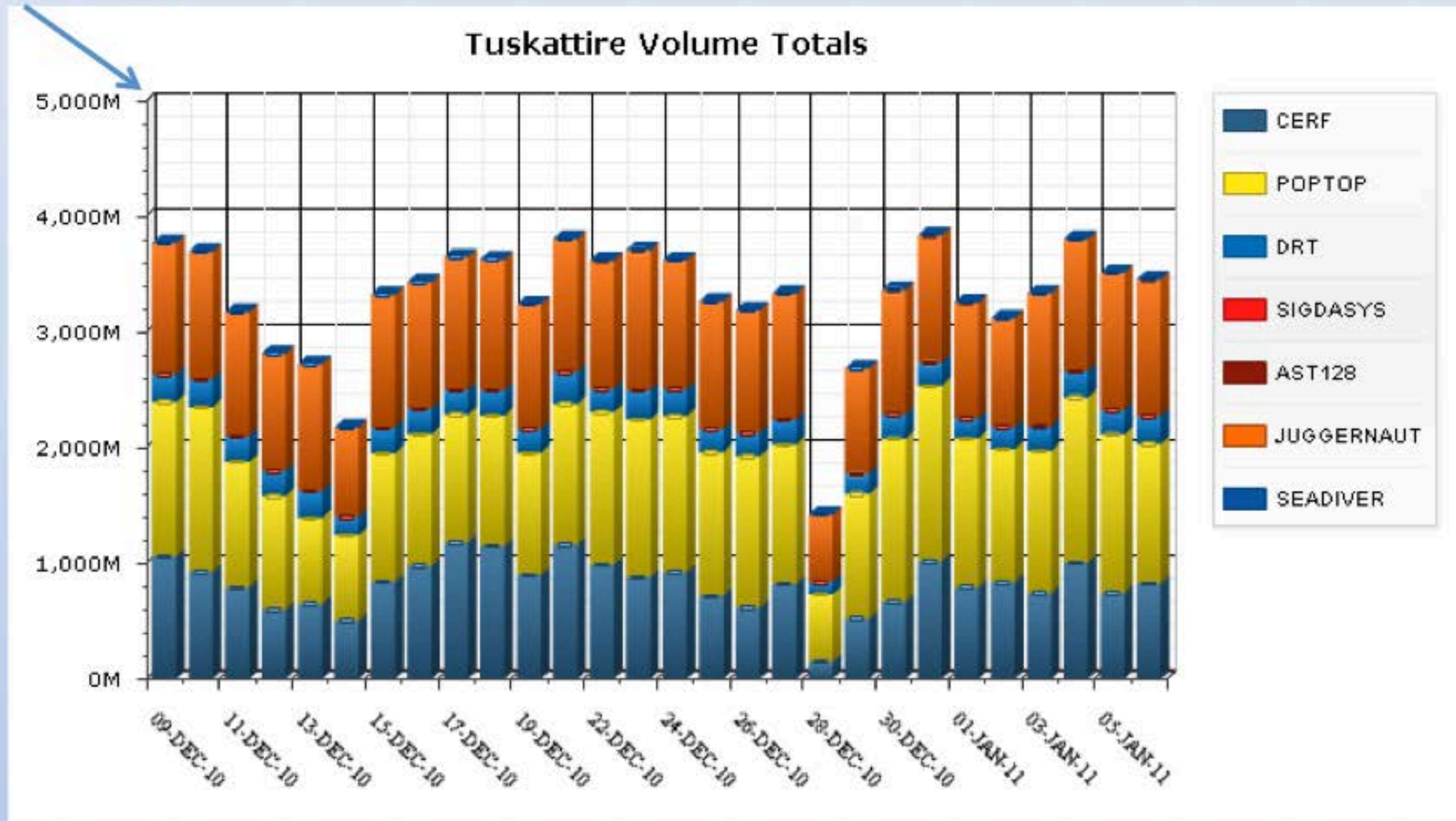


# SSO GHOSTMACHINE Analytics



# Hitting The Wall

Fascia Limit?



# Data at a Larger Scale

27704057147161 hdfs://r05sv24:9000/in/asdf  
27827753336125 hdfs://r05sv24:9000/in/fascia

- Terabytes are available to query in the cloud, not always available in corporate databases
- Real value comes in being able to correlate and enrich with multiple types of data

SS7 Summary

Current SIGADs Search Info

Current SIGADs ?

SIGAD	OPC / DPC Pairs
US-3127	671
US-3145	381
US-3167	1313
US-3180	2022
US-3190	135
US-3237	1816
US-3261	5
US-3273	91
US-3293	20
US-3300	39
US-3311	1
US-983	27
US-990	860

US-3300 easMap/data.xml

DYNAMIC PAGE - HIGHEST CLASSIFICATION IS TOP SECRET//COMINT//NOFORN

SMA Tools Blog | WOC | SSO Dashboard | BROKENRECORD | DNR Deduplicator | Mission Support Hub | REDHAWK

TOP SECRET//COMINT//NOFORN

# GHOSTMACHINE: The NSA's cloud analytics platform

4 Pages - Contributed by Matt DeLong, Washington Post - Dec 05, 2013

Excerpts from slides describing the National Security Agency's Special Source Operations cloud analytics platform, code-named GHOSTMACHINE.

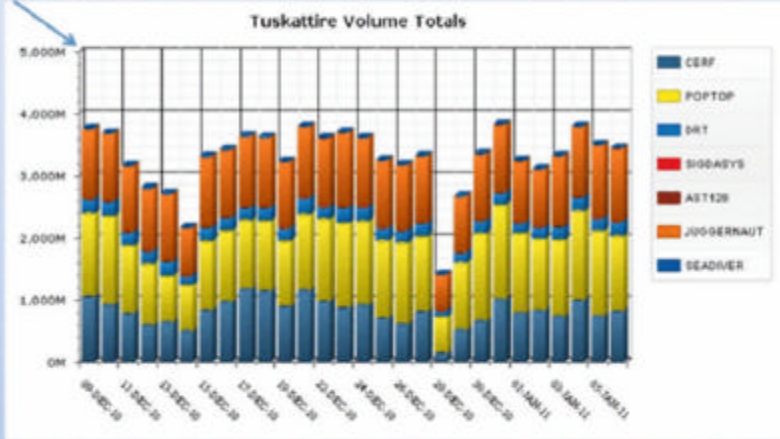
What is HADOOP? (p. 1)



TUSKATTIRE (p. 2)

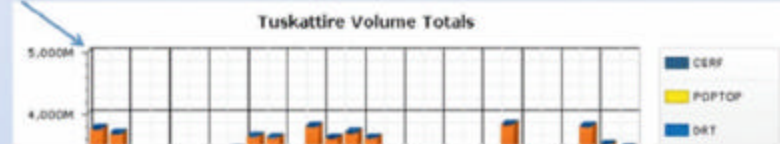
## Hitting The Wall

Fascia Limit?

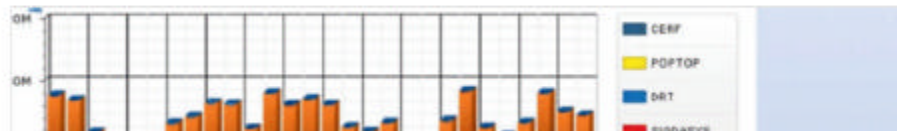


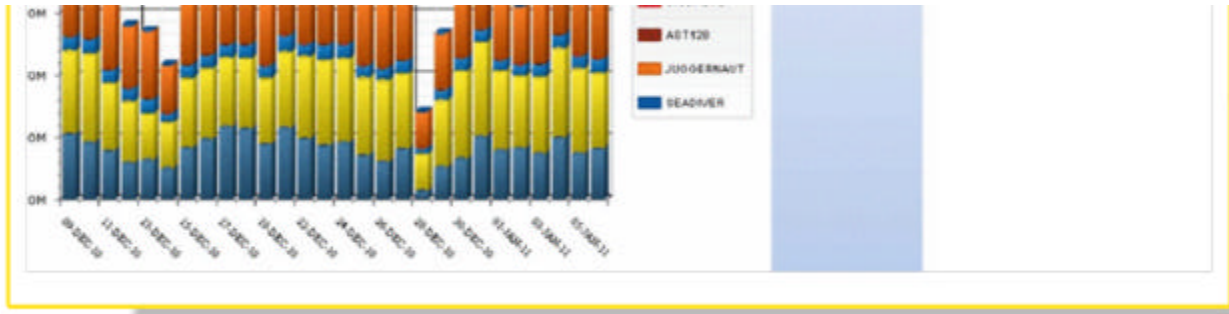
FASCIA limit (p. 2)

Fascia Limit?



Juggernaut (p. 2)



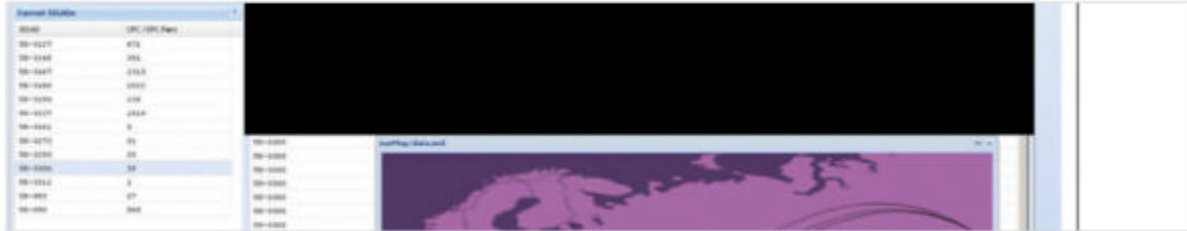


How much data does FASCIA collect? (p. 3)

## Data at a Larger Scale

27704057147161 `hdfs://r05sv24:9000/in/asdf`  
 27827753336125 `hdfs://r05sv24:9000/in/fascia`

OPC/DPC (p. 4)



STORMBREW (p. 4)



FAIRVIEW (p. 4)

