

BLUE Coat	OVERVIEW
<ul> <li>Threat Landscape</li> <li>Adversary</li> <li>Cyber-</li> <li>O-day,</li> <li>APT</li> </ul>	Protection     Crowd     Action (Advanced evasion detection)     NGFW     AV, HIDS, HIPS
HVT     Targets     BVOD     Internet of Things     Cloud     Fog	Detection     SIEM     Real Time Data Analytics (Big Data)     Threat Intelligence, OSINT     C2     G2
<ul> <li>aaS</li> <li>Preparation</li> <li>MSSP</li> <li>MDM, MAM, MIM</li> </ul>	Exploitation     ROP Gadgets, ASLR, DEP     Post-Breach     DLP, Extrusion Prevention/Detection     eDiscovery



# BLUE Coat

# ADVERSARY

• "Guns don't kill people, people kill people" [NRA]

 $\rightarrow \mbox{Tools}$  don't break into your systems, organizations do

• Who has an interest in breaking into your system?







http://irebsonsecurity.com/tag/pay-per



# • Origin: "controlling well" but lost meaning

- ... space ~ Internet
- ... crime
  Banking, click-fraud, DDoS, spam, break-in
- ... war / warfare
  DDoS, espionage, sabotage
- ... terrorism
  Same as warfare but non-state (depends on view)
- -hate, -pilgrimage, -sex, -security







# BLUE COAT

# CYBERWAR / CYBERTERRORISM

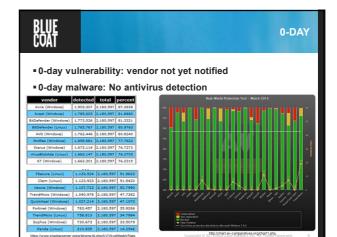
# Russia-Ukraine Standoff Going Online as Hackers Attack

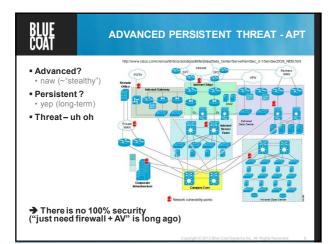
Cyberspace is fast becoming a battlefield for Ukrainian and Russian partisans even as ground troops from the two countries continue their military standoff.

By Cornelius Rahn, Ilya Khrenniko

Hackers have faunched attacks on the websites of state agencies and publications on both sides. A Russian government watchdog has corfered a shutdown of the social-network pages of Ukrainian phone company said its network in parts of the Crimean peninsula was damaged as unidentified men took over communication centers.





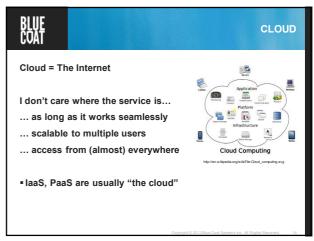












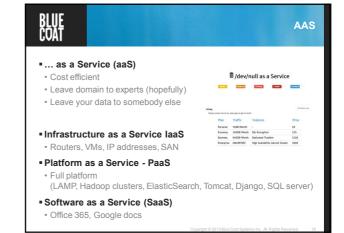
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# FOG COMPUTING

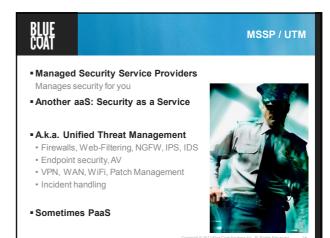
- Local "cloud" (used to be called data center)
- or service close endpoints (edge computing)
- Reduced latency
- Local data transfer
- Process locally instead of sending to the cloud
- Local availability of typical cloud services

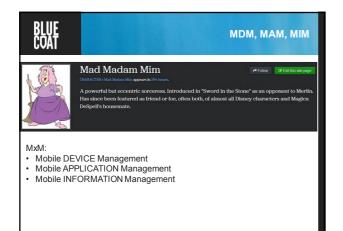
Using closest/"own" infrastructure











# BLUE Coat Mobile DEVICE Management Rollout of policies, settings

# WORKING WITH BYOD

- Monitoring / device portfolio / rooted devices • "Remote wipe" / lock
- Backup

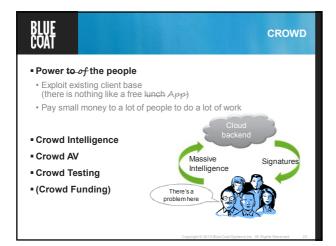
### Mobile APPLICATION Management

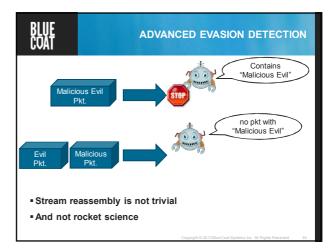
- Trusted apps
- Installed apps • "Wrapped" apps to limit data access

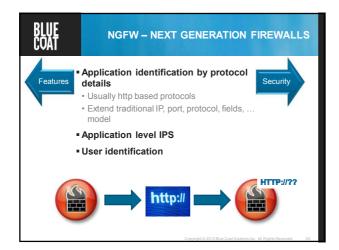


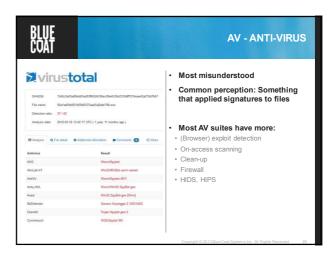




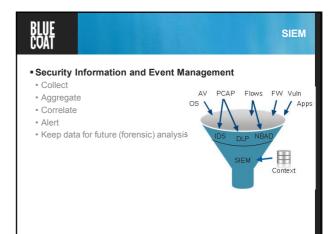












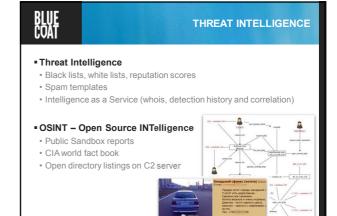
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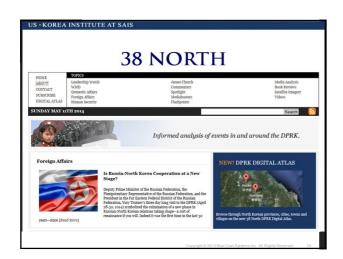
# REAL TIME DATA ANALYTICS

## Previously known as BIG DATA

- Research and solutions around for 50 years
- Divide and conquer (now known as map-reduce)
- Data indexing
- Multi-processing
- Problem now: "Store everything"-mantra
- Now there are easy-to-use tools
- Hadoop
- Elastic Search
- Solr
- Logstash / Kibana

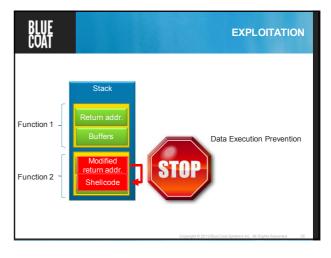


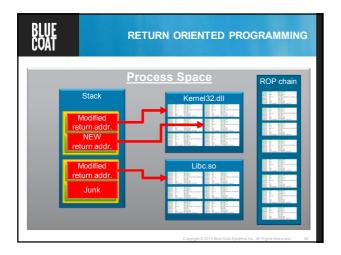


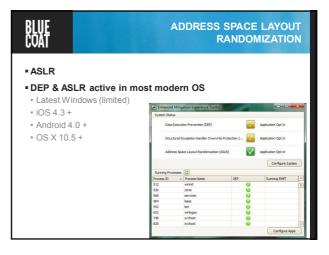




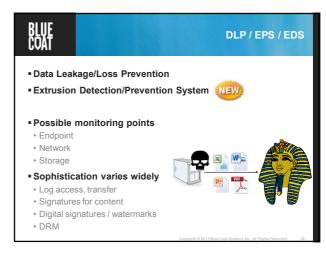






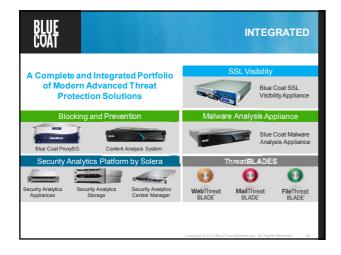












BLU <u>e</u> Coat		SUMMARY
There is a lot of hype		
■Who is your "adversary"?		
Have tools to protect and to detect		
Breaches will happen – be prepared for the incident		

