LIGHTWEIGHT FOR REAL-TIME

	® RIDGEBACK	
sed)	Fact-based (FI*)	
ntent?	What's actually happening?	
	(Feet of behavior ()	

Is there malicious content

Detection (AI-ba

Deep packet inspection

Data lakes to learn

'Fact of' behavior (not content)

Header data only

* Fact-based Intelligence

AUTOMATED FOR COUNTER-ENGAGEMENT

RIDGEBACK

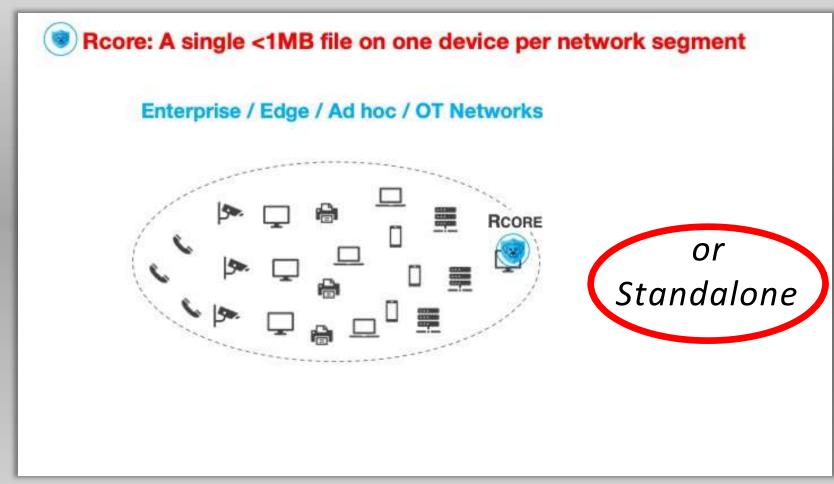
Detection (Al-based)	Fact-based (FI*)
InferencesAfter-the-fact	No guessingReal time
 Central data lakes 	 Local (and central)
 Humans in the loop Passive 	 Autonomous Fights back

* Fact-based Intelligence



Flexible architecture

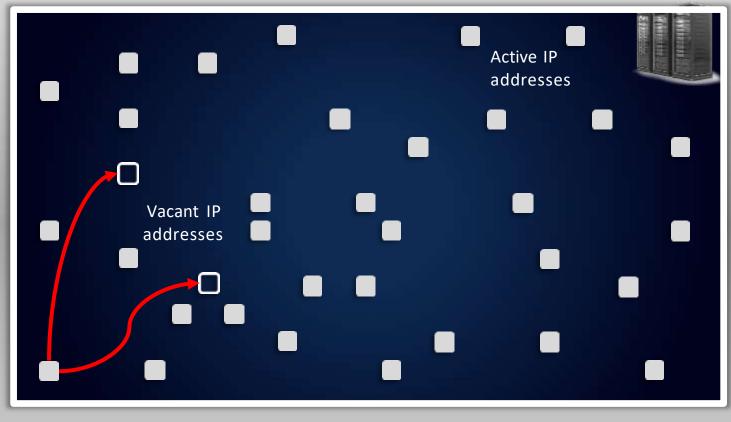
EASY, LIGHTWEIGHT, FLEXIBLE ARCHITECTURE





Real-time operations

WHAT DO ATTEMPTS TO ACCESS THE DARK SPACE MEAN?



Attacks in Progress

Discovery & Enumeration

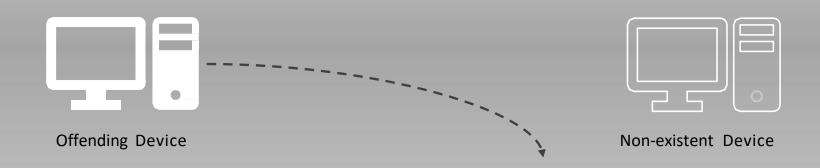
Productivity & Security Issues

Misconfigurations

Malware Propagation

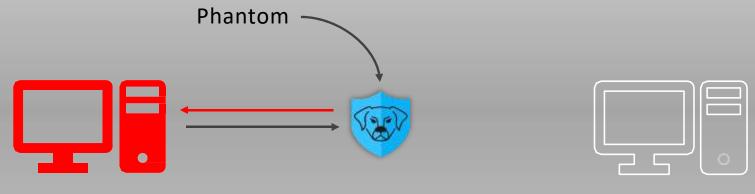
Signal Leaks

EXPLOITATION DISCOVERY & ENUMERATION



Without Ridgeback, signals to dark IP addresses 'fall on the floor'

MAN-IN-THE-MIDDLE SCALED AND AUTOMATED FOR DEFENSE



Offending Device

Non-existent Device

With Ridgeback, signals to dark IP addresses trigger instant counter-engagement

Phantom: something apparently seen, heard or sensed but having no reality.

Respond on ALL unused IPs & ports

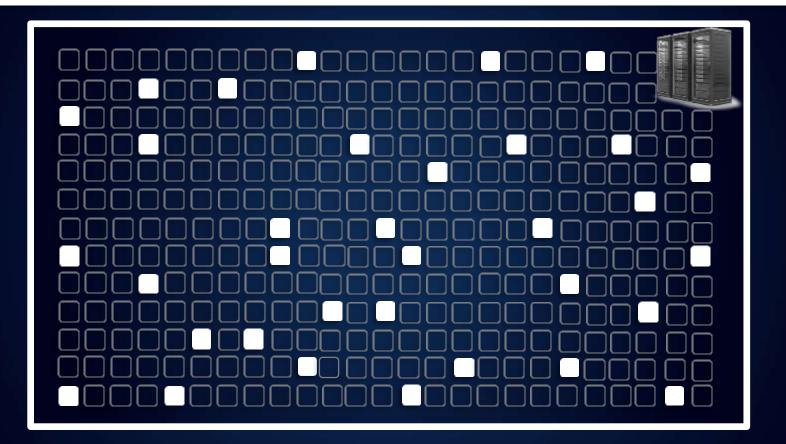
Transmit fake device-related data of your choice

Freeze process on the offending machine

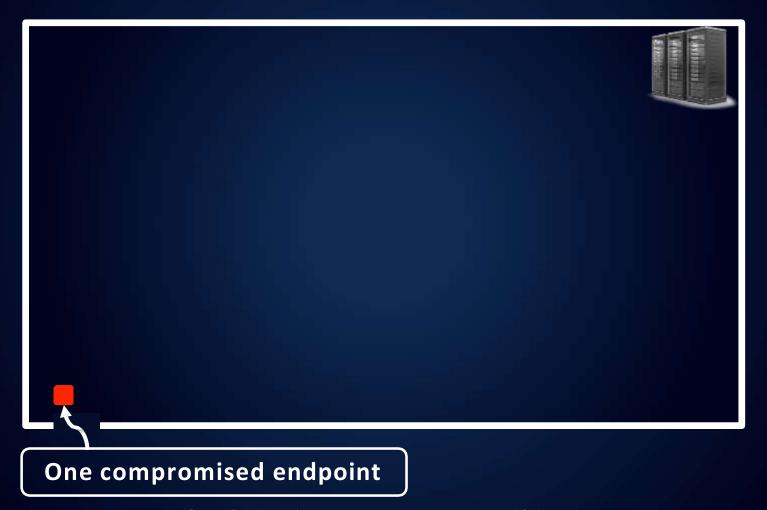
Hold connection back to the origin of the exploit

Enemy is exposed, misinformed, gummed up, and subject to counter-measures.

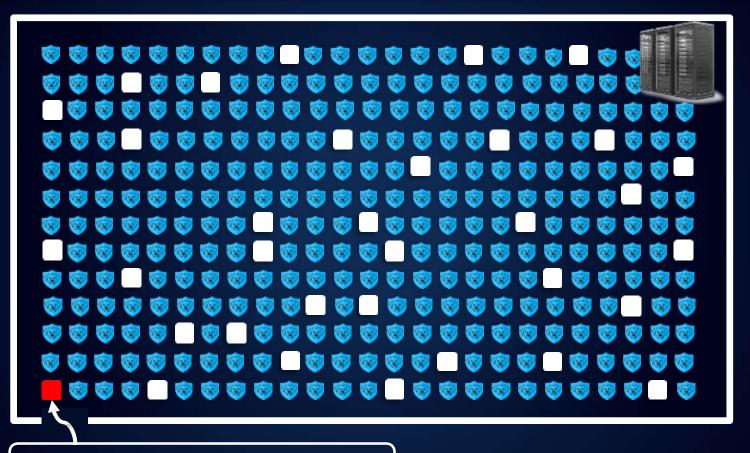
Know which IP addresses are live, and all IP addresses that aren't



Unassigned IP Addresses 📋

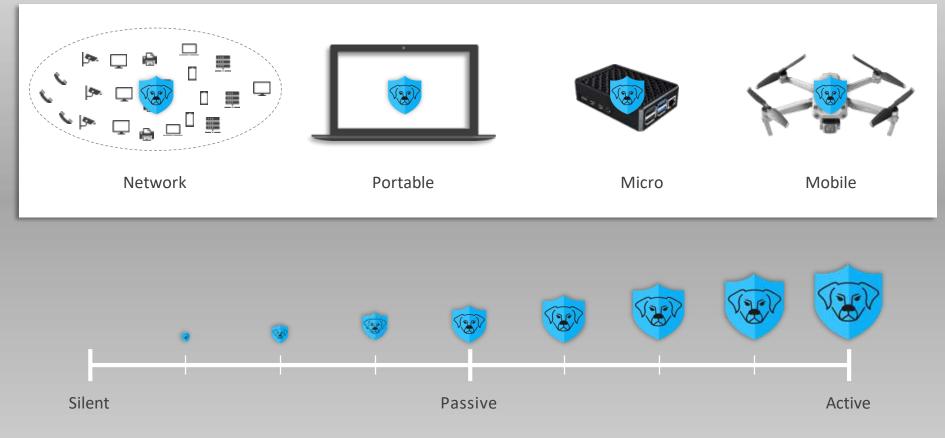


Unassigned IP addresses act as a virtual minefield stopping the adversary real-time, rather than trying to detect and chase them through systems post-facto.



One compromised endpoint

DEPLOYMENT ALTERNATIVES CREATE VERSATILE USE-CASES

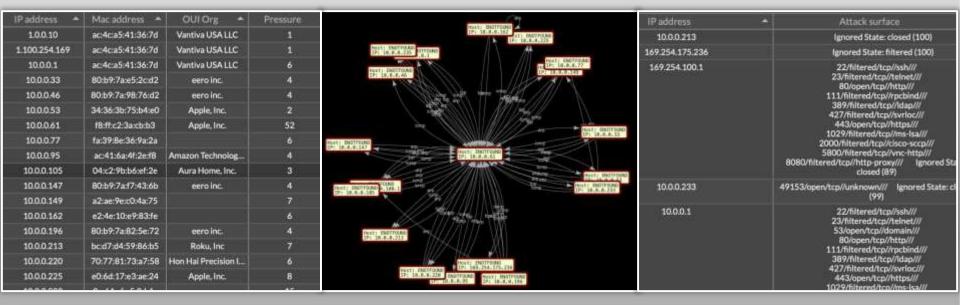


Rcore is configurable along a spectrum from purely observational to aggressively active.



A range of valuable use-cases

REAL-TIME SITUATIONAL AWARENESS



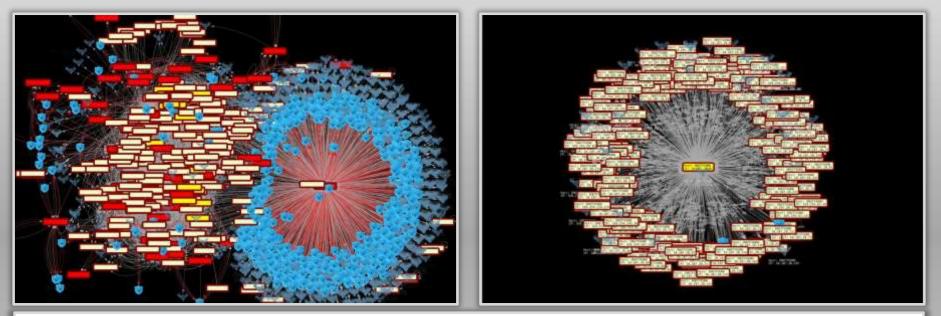
- See all devices on the network, know when they join or leave.
- Visualize internal network signals in motion, real-time.
- See the attack surface all ports and services in use.

For example, see:

- Unauthorized devices
- Unapproved services
- Errors in firewall settings
- Errors in segmentation

- Insecure protocols
- Improper signals into & out of IoT and OT
- Faults in IT / security implementations
- DNS errors

REAL-TIME SITUATIONAL AWARENESS



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CONCEALMENT / DECEPTION

Technically inconsequential impact Phantoms take only 60 bytes to create

CONCEALMENT / DECEPTION

Make networks that are exclusively Phantoms



What does it take to get started?

One Operator, one laptop, one hour.

Immediately expedite day-to-day work, large project implementations and deliver previously unachievable impacts.