



An Immune System  
for your Network That  
**Repels & Expels**  
**Intruding Adversaries**  
**In Real Time**



Network infiltrations are an ever increasing trend and the cost of defending a network far outweighs the cost of attacking one. The problems start with frequently breached perimeter defenses (firewalls), ineffectual endpoint protection, and “after the fact” intrusion detection approaches that tend to result in false positives. These problems are compounded by very high levels of incident response work, requiring a lot of time and money to resolve.

It is time to take a more inventive approach to network defense, one that enables you to move from a purely defensive, reactive cyber security footing to an assertively proactive one, dramatically enhancing your security posture and advancing your situational awareness across the network.

You can achieve this by deploying Ridgeback over your entire network to repel and expel sophisticated intruders in real-time - like a biological immune system attacks foreign invaders.

Ridgeback is an all-encompassing network immune system made up of a practically infinite number of Ridgeback 'antibodies', each one looking and behaving like a legitimate network resource (endpoint, server, cellphone or even a network printer, socket, URL, etc.), so that the attack surface appears exponentially large and confusing to an intruder.

When an intruder interacts with a Ridgeback antibody, it erupts into action, counter-engaging the intruder with 'role play subterfuge' to trick the intruder into believing that they are interacting with a legitimate network resource and issuing alerts. The intruder is caught up in a maze of mirrors without ever realizing it, the more they engage, the more they are drawn deeper into the maze.



**REPEL**

Unauthorized intruders caught up in Ridgeback think that they are in a real live network and as the antibodies close around them, all other avenues of escape are closed off to the intruder. Each Ridgeback antibody intelligently repels the adversary with role play to actively deny the intruder knowledge, lateral movement and most importantly, control over your network.



**EXPEL**

Once Ridgeback has repelled an intruder, it then gives you the capability to expel them by excluding them from your real live resources. This is an active and automated process, an instantaneous action that does not require your involvement. Ridgeback maintains an active connection back to the intruder, rendering the intruder vulnerable to forensic analysis and countermeasures, should your red team possess the capability and legal authorization.



# RIDGEBACK

## RIDGEBACK TECHNICAL BRIEFING

Ridgeback is server-based software with a tiny resource footprint and a frictionless deployment model. It requires no reconfiguration of existing networks, does not deploy or consume real resources and creates no network latency or bandwidth constraints. Once deployed, Ridgeback antibodies need no regular management or maintenance.

Even though each Ridgeback antibody appears to be a legitimate network resource, it consumes no compute or network resources and is effectively non-existent from a resource consumption perspective. Ridgeback provides extremely advanced innovation, with very low resource requirements and overhead. Ridgeback equips you with an active and pervasive network immune system to repel and expel intruders.

## RIDGEBACK FORCE MULTIPLIERS



### SITUATIONAL AWARENESS

When deployed, Ridgeback antibodies act as your eyes and ears across the network, dramatically enhancing your situational awareness and providing you with complete visibility over the battle space when an intruder attempts to infiltrate your network.



### ANTIBODY IMMUNITY

Much like your own immune system is a hostile environment for viruses and bacteria, your internal network becomes a deeply hostile environment for any unauthorized intruder, one filled with antibodies waiting to expel any unauthorized infiltration.



### NO FALSE POSITIVES

Ridgeback only ever catches and responds to unauthorized intruders, your legitimate network traffic never gets caught up in it.



### INTELLIGENT SUBTERFUGE

Each Ridgeback antibody engages in intelligent subterfuge, presenting the illusion of a real network resource and working with the rest of the antibodies to create the illusion of a living and breathing network.



### INFINITE ATTACK SURFACE

Ridgeback expands into your entire network and expands it exponentially, creating an environment filled with billions of Ridgeback antibodies to catch an intruder.



### SAVVY CREATORS

The team behind Ridgeback has spent more than thirty years in hacking, both offensive (red team) and defensive (blue team) and over 20 years working on projects for the DoD and the U.S. intelligence community.

## RIDGEBACK NETWORK DEFENSE INC

Headquartered in Baltimore USA, has points of presence in the EMEA (Paris) and APAC (Pune) regions. For further information on Ridgeback, please visit [RidgebackNet.com](http://RidgebackNet.com) or email [info@ridgebacknet.com](mailto:info@ridgebacknet.com)