SOLUTION BRIEF

Real-world research to prevent and stop cloud native attacks

Notable Aqua Nautilus Research

Uncovers HeadCrab, a novel, state-of-the-art Redis malware in a global campaign

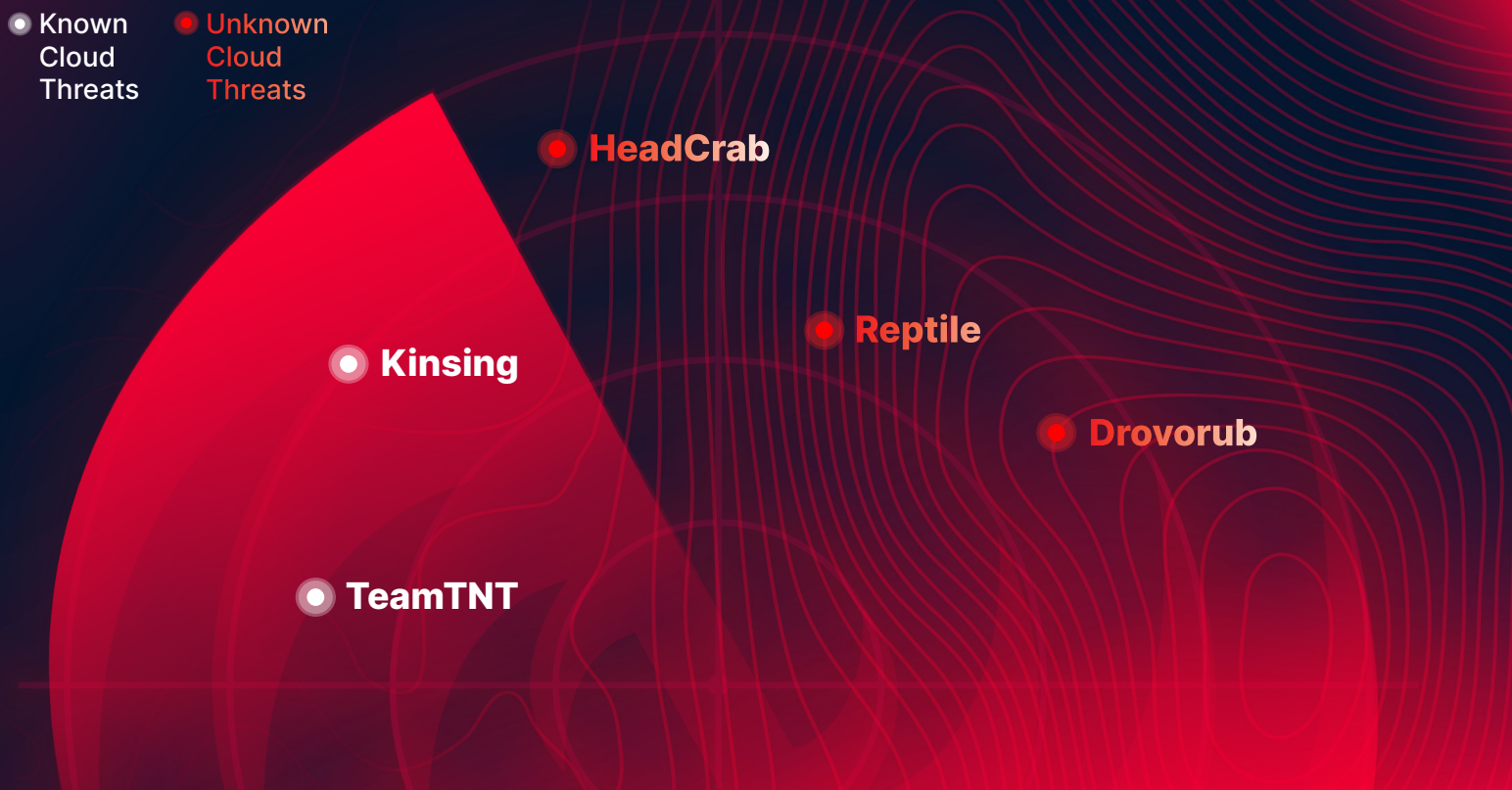
Discovers the first exploit of the Looney Tunables vulnerability by Kinsing

Revealed 1,000 Kinsing attacks exploiting the Openfire vulnerability

Malicious actors are moving today at light speed, targeting weaknesses in your software supply chain, exploiting Kubernetes and cloud misconfigurations, and compromising multiple layers in your application stack. To stay ahead of these evolving threats and efficiently protect your organization's digital transformation, you need expert insights into real-world cloud native attacks.

As a dedicated group of top industry experts with decades of combined hands-on experience, Aqua Nautilus Research Team is uniquely focused on the cloud native threat landscape. Its sole mission is to analyze the ever-evolving threats targeting the cloud native ecosystem to empower security practitioners and the community at large to improve their defenses and stop attacks in real time.

By understanding how attackers are advancing their techniques, Aqua Nautilus fosters the development of innovative methods to safeguard organizations against the threats of tomorrow. Translating real-world attack insights into intelligence-driven protection in the Aqua Platform, Nautilus helps Aqua customers to counter the most sophisticated threats, including unknown and zero-day attacks.



Trusted threat intelligence for the cloud native ecosystem

Stay in the know about the latest threats that target cloud native environments, including the software supply chain, cloud infrastructure, Kubernetes clusters, and runtime stack. Get focused threat intelligence for the entire application life cycle – from code repositories, developer IDEs, and CI/CD tools to runtime environments – based on analyzing hundreds of thousands of real-world attacks each month.

Stay up to date on the threat landscape

Leverage insights from Nautilus research to understand new threats and why they matter to your team. Discover how adversaries are evolving their tactics, techniques, and procedures to compromise cloud applications.

Expand your security knowledge

Enhance your knowledge and get practical guidance on protecting against threats targeting the cloud native stack by accessing Nautilus' regular blogs, threat reports, webinars, presentations, and more.

Cutting-edge research feeding intelligence-driven protection

Elevate protection against both known and novel threats and improve your security posture by leveraging Aqua's intelligence-driven security capabilities – from open source tools such as Aqua Tracee to behavioral detection as part of enterprise-grade runtime protection.

Elevate your defense

Enhance protection across the entire application life cycle with Aqua's innovative solutions powered by real-world research and specifically designed for cloud native environments.

Boost software supply chain security

Detect anomalous behavior early in the build process with pipeline integrity scanning to catch sophisticated software supply chain attacks early on.

Protect against the unknown

Discover novel and advanced zero-day threats and new attack behaviors with eBPF-based behavioral detection, driven by Aqua Nautilus study across hundreds of thousands of real-world attacks.

Build future-proof protection

Ensure that you're protected against the evolving attack vectors and prepared for tomorrow's threats with Aqua's research-powered security solutions that stay at the forefront of the threat landscape.

Aqua CNAPP: Research-driven cloud native security

Aqua Nautilus research is embedded into the Aqua Cloud Native Application Protection Platform (CNAPP), powering key capabilities across supply chain security, dynamic threat analysis, and runtime protection. Its research plays a crucial role in identifying and safeguarding against unknown and zero-day threats, which can't be detected with traditional signature-only solutions. Leveraging advanced behavioral detection, Aqua Nautilus turns insights from real-world attacks into powerful, intelligence-driven protection capabilities in the Aqua Platform.

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Aqua Security sees and stops attacks across the entire cloud native application lifecycle in a single, integrated Cloud Native Application Protection Platform (CNAPP). From software supply chain security for developers to cloud security and runtime protection for security teams, Aqua helps customers reduce risk while building the future of their businesses. Founded in 2015, Aqua is headquartered in Boston, MA and Ramat Gan, IL protecting over 500 of the world's largest enterprises. For more information, visit https://www.aquasec.com

Nautilus Research ›