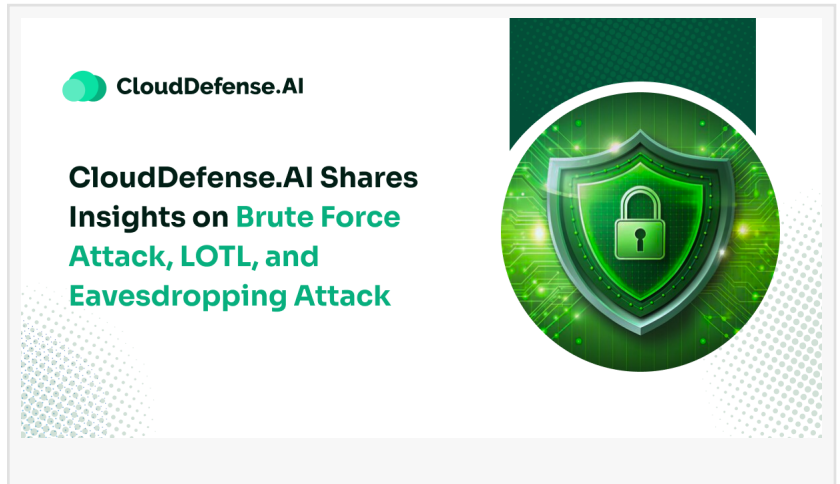


CloudDefense.AI Shares Insights on Modern Cyberattack Tactics: Brute Force, LOTL, and Eavesdropping Explained

PALO ALTO, CA, UNITED STATES, May 2, 2025 /EINPresswire.com/ -- In its latest educational outreach, CloudDefense.AI turns the spotlight on three often underestimated but dangerous cyberattack techniques: brute force attacks, Living Off the Land (LOTL) attacks, and eavesdropping attacks.

As cybercriminals become more cunning and resourceful, these methods, though differing in approach, all share a common goal: unauthorized access to sensitive systems and data. With businesses increasingly operating in distributed, cloud-first environments, understanding these attack vectors is key to building a resilient cybersecurity defense.



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Cybersecurity today isn't just about blocking threats - it's about understanding how they evolve, so we can stay one step ahead.”

*Anshu Bansal, CEO,
CloudDefense.AI*

Brute force attacks remain a timeless threat in the cyber landscape. Despite their simplicity, they can be alarmingly effective when systems lack strong password policies or adequate authentication measures. Hackers use automation tools to cycle through millions of credential combinations at high speeds until they break through. This type of attack often flies under the radar until it's too late, compromising everything from user accounts to critical enterprise infrastructure.

While brute force attacks rely on external force, LOTL attacks take a stealthier approach—blending in with the environment they aim to exploit. Instead of deploying external malware, attackers co-opt legitimate tools already present within the system, such as PowerShell or native Windows utilities, to carry out malicious tasks. This tactic makes detection significantly harder, as traditional security systems may overlook familiar processes behaving abnormally.

Equally concerning is the resurgence of eavesdropping attacks, where malicious actors intercept unprotected communications between devices. These attacks are especially prevalent in insecure environments like public Wi-Fi networks, where sensitive data, such as login credentials, financial information, or business communications, can be captured in transit. Often unnoticed by users, eavesdropping can lead to data theft, surveillance, and reputational damage.

Each of these attacks may operate differently, but all exploit weaknesses in modern digital infrastructures. CloudDefense.AI's in-depth analysis of these techniques is designed to raise awareness, encourage proactive security planning, and support enterprises in evolving their defenses against an increasingly complex threat landscape.

About CloudDefense.AI:

CloudDefense.AI, headquartered in Palo Alto, is a cutting-edge Cloud-Native Application Protection Platform (CNAPP) that provides end-to-end security for cloud infrastructures and applications. CloudDefense.AI seamlessly integrates advanced technology and expertise, making it the ultimate solution for mitigating security risks from development to deployment.

Their state-of-the-art platform offers a full spectrum of security solutions, ensuring organizations can confidently protect their cloud environments. Covering every layer of security, CloudDefense.AI provides SAST, DAST, SCA, IaC Scanning, Advanced API Security, Container Security, CSPM, CWPP, CIEM, Kubernetes Security, and AI-SPM. Moreover, their exclusive CloudShield.AI technology guarantees continuous policy enforcement and proactive threat mitigation.

CloudDefense.AI enhances security with AI-driven remediation, attack path analysis, and automated risk assessment to reduce vulnerability noise and detect zero-day threats in real-time. This innovative approach boosts security efficiency, providing up to five times the value of traditional tools and establishing them as leaders in cloud security.

If you want to learn more about CloudDefense.AI and explore one of the best CNAPPs in the industry, please [book a free demo](#) or connect with them at connectwithus@clouddefense.ai.

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