

Inferno Systems Password Cracking Workflow Released, Demos 70 Trillion Windows Passwords Per Second

Fairfax, VA (April 23rd, 2019) — Inferno Systems, Inc. today unveiled Forge, a web application that simplifies the process for cracking hashed passwords.

“This release offers a useful new approach to enterprise-level password cracking,” said Charlie Wolford, CEO of Inferno Systems. “This is a great example of how Inferno Systems integrates secure system design, asynchronous job distribution and GPU compute cluster management.”

Forge is built on Hashcat and is designed to effectively attack passwords by applying automation to password dictionary management, attack plan building, and the creation of mixed local and cloud-based compute clusters.

Derek M., one of Forge’s customers from the U.S. Federal Government explains, “Forge allows us to create custom plans, track jobs, get results and reprioritize on the fly with a drag-and-drop. Everything is easier using Forge.” In addition, Forge easily ties into corporate authentication using LDAP, allows role-based permissions and transfers all data over encrypted connections.

Inferno Systems built Forge to integrate directly with Amazon AWS for customers who want to augment on-site GPU compute resources. Mr. Wolford continued, “whether you have local GPU hardware or not, Forge’s ability to leverage cloud resources can result in reduced capital expenditures.”

To demonstrate the power of Forge, Wolford and his team used the product to build a hybrid cloud consisting of four local GPU servers and 205 AWS GPU instances. During its operation, the Forge-based system was capable of generating 48 trillion MD5 passwords per second and 70 trillion passwords per second against NTLM, the hash type Windows operating systems store passwords in.

“For the release we wanted to show how easy it was to leverage a powerful cloud-based compute clusters to augment local password cracking attack hardware,” said Wolford. “When you’re cracking at a rate of tens of trillions of passwords per second, even strong password algorithms become vulnerable to attack plans built with Forge.”

Inferno Systems is a leader in cybersecurity consulting for enterprise. With both commercial and governmental customers, our fully cleared consulting teams offer expertise in security compliance, risk management and governance. Our services have helped reduce risk at NASA, the Executive Office of the President of the United States, and the Department of Defense. To find out more, please visit www.inferno-systems.com.

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