

## HOW NEOLOAD & GREMLIN PROVIDE LOAD TESTING AND CHAOS ENGINEERING

Applications have become more complex and distributed. Performance testing and chaos engineering are a powerful combination to prepare complex systems for peak traffic under any condition to maximize the potential of distributed systems. Performing load tests in dev/test environments only tests how your application will handle traffic in ideal conditions. However, things break and dependencies fail. Ensure your applications can perform to expectations in both ideal and degraded environments, so that even if something fails, your customers will remain unimpacted and happy with your product.

### Be prepared for traffic in all conditions

Using Neoload and Gremlin, you can easily simulate large amounts of traffic during common failure scenarios. Identify and improve parts of your system that are prone to failure or are unable to scale efficiently. Monitor how your system degrades during failure scenarios to decide on areas for investment to improve customer uptime.

- Did autoscaling kick in and handle the extra load?
- Did a small amount of backend latency cascade to a large amount of frontend latency?
- Does a non-critical service experiencing an outage lead to frontend errors or slow performance for end users?
- How would an outage from a third party provider impact end users?

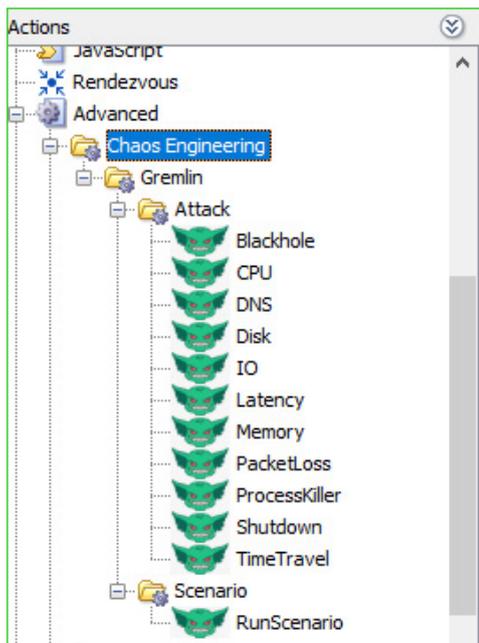
Launch Gremlin attacks from NeoLoad to synchronize performance tests with chaos experiments to automate and maximize the benefits of combining testing suites.

The integration between NeoLoad and Gremlin is the best automated solution guaranteeing that your system is performant and reliable.

If you are planning to utilize auto remediation scripts to minimize technical issues to your end users, then you would need to validate that your scenario is fully protecting your production by testing it with NeoLoad and Gremlin.

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Create Chaos Engineering scenarios

Create your load test project

Observe



## Why NeoLoad?

NeoLoad is the most automated performance testing platform for enterprise organizations continuously testing applications and APIs. NeoLoad provides testers and developers automatic test design and maintenance, the most realistic simulation of user behavior, fast root cause analysis and built-in integrations with the entire SDLC toolchain. NeoLoad lets you reuse and share test assets

and results from functional testing tools to analytics and metrics from APM tools. And NeoLoad supports the full range of mobile, web and packaged applications, like SAP, to cover all testing needs. Continuously schedule, manage and share test resources and results across the organization to ensure application performance.

### Some of the world's leading organizations trust NeoLoad:

- Office Depot was able to reduce scripting time and script test maintenance by 66%, using NeoLoad
- According to the French Ministry of Education, "NeoLoad facilitates the task of rendering Dev autonomous on performance tests. It's the benefit of the tool, its handling is hyper simple"
- "NeoLoad proved to be the only solution that could support all of our testing requirements, including the most complex use cases. We can run and maintain 30+ test cases on a regular base with a single FTE" says CSS Insurance

### Why Gremlin?

Gremlin is the enterprise Chaos Engineering platform backed by years of experience from experts who built the practice at Amazon, Netflix, and more. Gremlin is a safe, simple and secure way to proactively inject failure into your systems to find and fix bugs before they impact customers and tune monitoring and train teams to build the muscle memory to reduce mean time to recovery.

- Backcountry was able to reduce their MTTD from hours to 5 mins.
- DPG Media was able to find and fix 35 high priority bugs in a single Gameday with Gremlin.
- Under Armour saw a 80% reduction in time setting up GameDays and a 5x increase in the experiments undertaken in each Gameday.

### About Neotys

Founded in 2005, Neotys created its flagship product, NeoLoad. NeoLoad is a continuous performance testing platform for Enterprise organizations who wish to standardize their performance engineering approach. Since its inception, NeoLoad has helped over 2000 Enterprises throughout the world in retail, financial services, health care, insurance and more. COE and DevOps teams alike use NeoLoad to automate API and end-to-end performance testing in cloud and hybrid environments. NeoLoad helps these teams collaborate to release fast at scale while ensuring quality controls for application speed and stability.

For more information about Neotys or NeoLoad, visit [www.neotys.com/resources](http://www.neotys.com/resources) to see testimonials, case studies and success stories.

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