

# NeoLoad and Gremlin enable chaos engineering in load testing

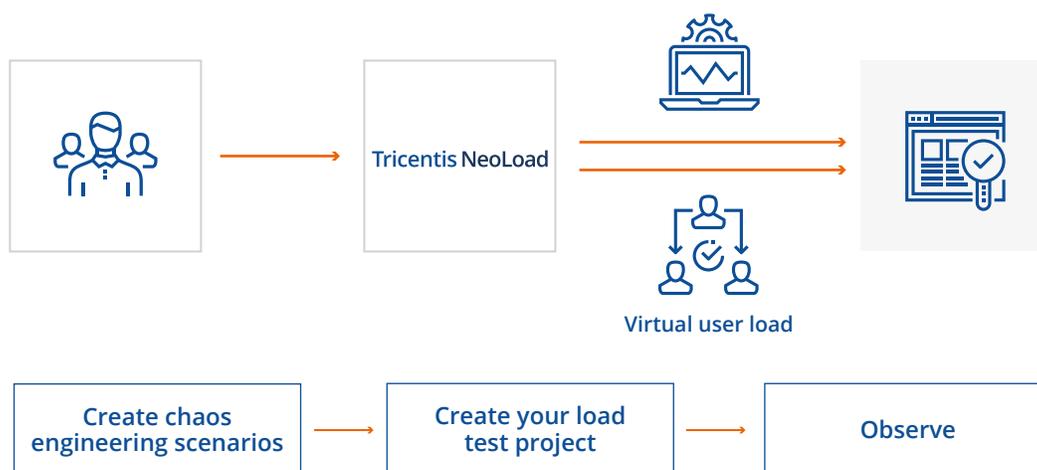
Applications have become more complex and distributed. Performance testing and chaos engineering are a powerful combination to prepare complex systems for peak traffic under any condition to maximize the potential of distributed systems. Performing load tests in dev/test environments only tests how your 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 Tricentis 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 auto-scaling 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.

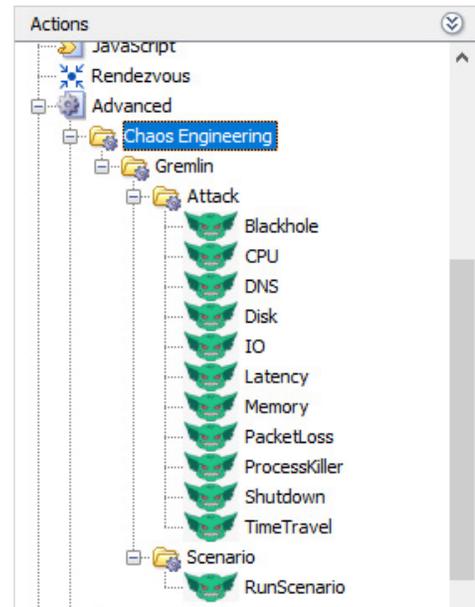


The integration between NeoLoad and Gremlin is the best automated solution to guarantee that your system is performant and reliable.

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.

### 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



## About Gremlin

Gremlin is the enterprise chaos engineering platform backed by years of experience from experts who built the practice at Amazon, Netflix, and elsewhere. Gremlin is a safe, simple, and secure way to proactively inject failure into your systems to find and fix bugs before they impact customers, 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.

# Gremlin