

Steadybit vs. Gremlin

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When teams are evaluating chaos engineering platforms, we often get asked how Steadybit compares to Gremlin. Here's our view on **how rolling out chaos engineering with Steadybit is different:**



Steadybit is the most flexible chaos engineering platform, enabling you to fully make it your own.

- **Hybrid architecture** with open source framework enables full customization of the experiment experience, including the ability to add custom attacks, extensions, targets, events, and advice.
- **Powerful open source extensions** for your favorite cloud providers, observability, load testing, and API tools allows you to connect with your tech stack fast.
- **OS Library of 200+ experiment components**, including ready-to-run actions and templates.
- **Industry-leading support for On-Prem & air-gapped deployments** with full feature parity since Day 1.

- **Closed architecture** means that teams can't easily customize experiments and add integrations easily. They need to rely on the Gremlin development team and a feature-request process.
- **Only just added On-Prem support in Q1 2025** and do not have much experience testing it with customers.

Get started faster and see immediate value with advice and recommended experiments.

- **“Reliability Advice” runs 15 reliability checks** based on kube-score static analysis to continually detect issues and offer specific advice to remedy them.
- **Create recommended experiments with one-click** whenever a reliability issue is flagged by Advice.
- **Add your own custom reliability advice** to set, check, and maintain your own internal standards.

- **“Detected Risks” runs 10 reliability checks** for Kubernetes and provides general documentation on how to address each type of issue.
- **No ability to customize checks.**

Roll out chaos engineering without plan limits that slow down your adoption.

- **Unlimited agents.** Expand testing across your applications with no limits and easier deployment. With our agents, you only need one installed per network which saves significant configuration time.
- **Unlimited users.** Invite any team member to join in running experiments and learning about your systems. With RBAC permissions and no seat limits, you can make your reliability efforts collaborative.

- **Billing per agent.** If you want expand your testing to new hosts, you have to pay for and install each new agent.
- **Billing for additional users.** Adoption is stifled since you have to pay to invite more team members to collaborate.

Work with a powerful library of pre-built components for experiment



ACTIONS

118+



TARGETS

43+



ADVICE

13+



EXTENSIONS

24+



TEMPLATES

58+



With Gremlin...

"It took us two weeks to set up Gremlin for the first team and experiments and then it was the same for each experiment and team after that which killed adoption rates and we gave up on Gremlin and went with open source."

Head of SRE
Global Media Company

With Steadybit...

"Steadybit improved our speed in finding weaknesses and delivering solutions. Working with Steadybit has brought us closer to achieving a 99.99% system uptime."

Krishna Palati
Director of Software Engineering



Detailed Comparison List



GETTING STARTED FAST

Automatic Reliability Issue Discovery



Reliability Advice - 15 checks out-of-the-box and add your own custom advice



Reliability Score - 10 health checks out-of-the-box and no customization

Recommended Experiments



Create specific experiments in one-click directly from Advice prompts



Limited, non-specific set of recommended scenarios

Custom Experiment Templates



Users can import 56 open source experiment templates or create their own



Users can use a limited set of recommended scenarios

PLATFORM FEATURES

Environment Visualization



Landscape Explorer shows systems visually, with customizable grouping and filtering



No visualization for environments and limited grouping and filtering capabilities

Experiment Designer



Timeline-based editor with drag-and-drop actions



Form-based editor with limited customization

Real-time Experiment Runner



Yes, with strong integration for observability tools



Yes, but limited integration with observability tools

Reporting and Analytics



13 pre-built reports on experiment activity, teams, and users



3 pre-built reports

Designated GameDay Folder



No GameDay-specific area



Folder to document GameDays

BUSINESS MODEL LIMITS

of Agents



Unlimited



Billed for every active agent

of Read-Only Users



Unlimited



Billed as paid users

of Read-Write Users



Unlimited



Billed as paid users

SECURITY & COMPLIANCE

Compliance Standards



SOC 2, GDPR



SOC 2, GDPR

Full RBAC User Permissions



Yes



Yes

Blast Radius Controls



Advanced attribute-based targeting



Attribute-based targeting

Safety Controls



Emergency Stop, Automatic Rollback



Emergency Stop, Automatic Rollback

SUPPORT & EXPERTISE

Ability to Quickly Resolve Issues



Work directly with the Engineering team



Talk with an account manager

Customer Support Options



Dedicated joint Slack channel with the Steadybit team



Support Portal

SCALABILITY & ARCHITECTURE

Automation Options



Steadybit API, CLI, webhooks, GitHub Actions



Gremlin API, CLI, webhooks

Customization Options



Add custom extensions, attacks, checks, load tests, and advice with our open source kits



Very limited customization options

Agent Deployment



Install one agent per network boundary



Install one agents in each host separately, which requires time-intensive configuration

Open Source Extensibility



Kits to create extensions, targets, actions, events, advice, & templates



No extension framework

SaaS Deployment



Fully supported



Fully supported

On-Premises Deployment



Fully supported, architected in 2019 with On-Prem and air-gapped installation in mind. Comprehensive features for integration into on-prem infrastructure, automation, and monitoring. Hassle-free architecture (Java-based control plane, PostgreSQL DBS, optional Redis for multi-instance state management)



Announced support in 2025, untested product offering and team support

INTEGRATIONS

Kubernetes



Linux Hosts



Windows Hosts



Containers



HTTP



AWS



AWS Fargate



AWS Lambda functions



AWS FIS



Google Cloud



Azure



Service Meshes (Istio)



Message Brokers (Kafka)

Datadog

Dynatrace

Grafana

Prometheus

New Relic

Instana

K6 & K6 Cloud

LoadRunner

Gatling

JMeter

Kong

Postman

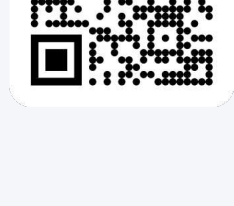
JVM

Webhooks

iCal Calendar Feed

Slack

See Full Compatibility List



Get started today

Sign up for a in-depth demo with our experts.
steadybit.com/book-demo/

