Can your application handle the load?

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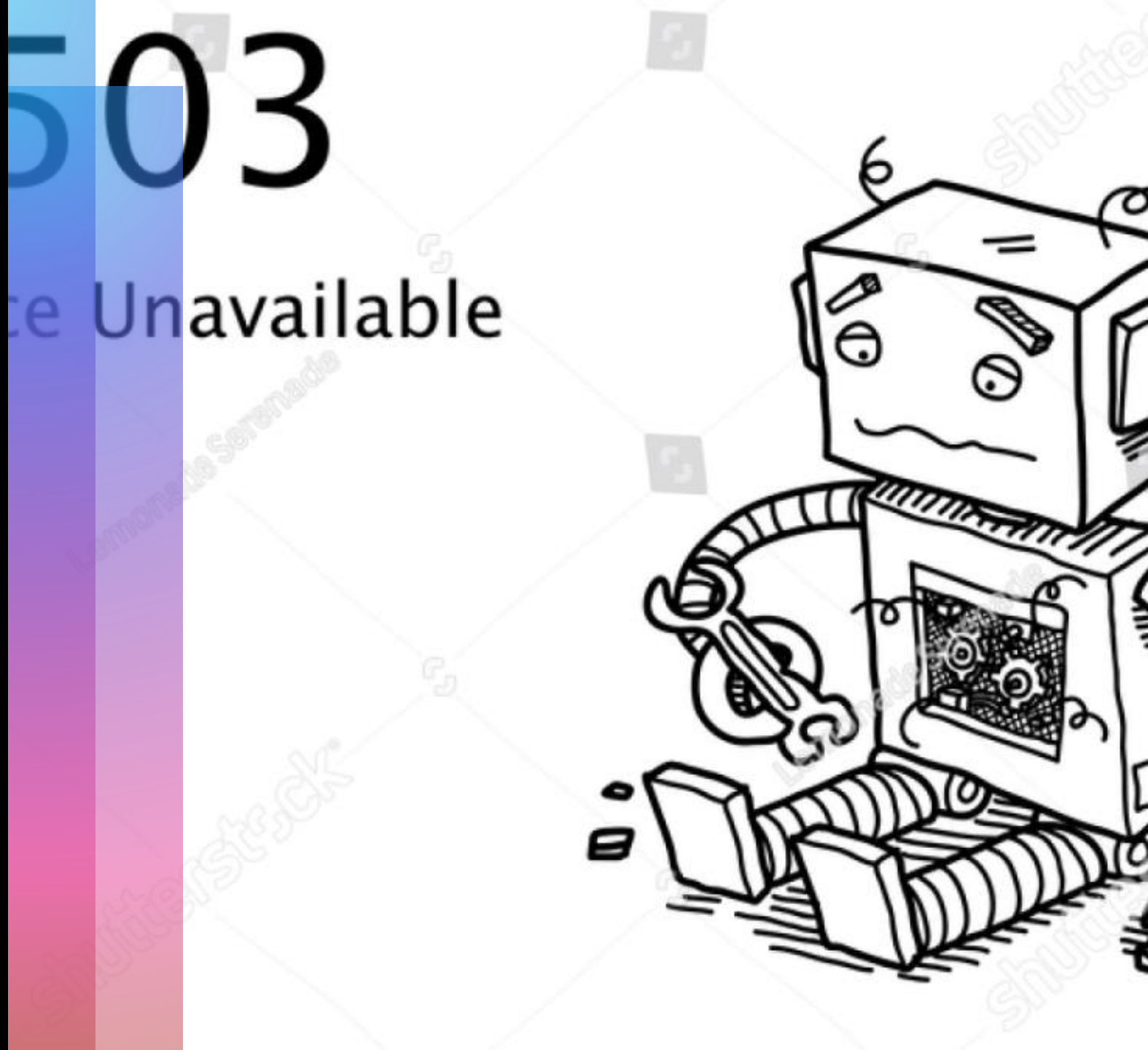
Motivation

Outages =>

- Lost Revenue
- Brand perception damage
- Customer dissatisfaction



Trends

Cloud native apps have many dependencies, frequent releases

Ownership of production health is shifting to developers

Desire to validate design decisions earlier and automate more

Pain points

- Speed with confidence is hard
- Running load tests translates into high human effort
- Acting on test results needs specialized skillset

Azure Load Testing

High-scale distributed load testing optimized for Azure applications

Optimize app performance at scale with a specialized load testing service built for Azure

Generate high-scale load with ease

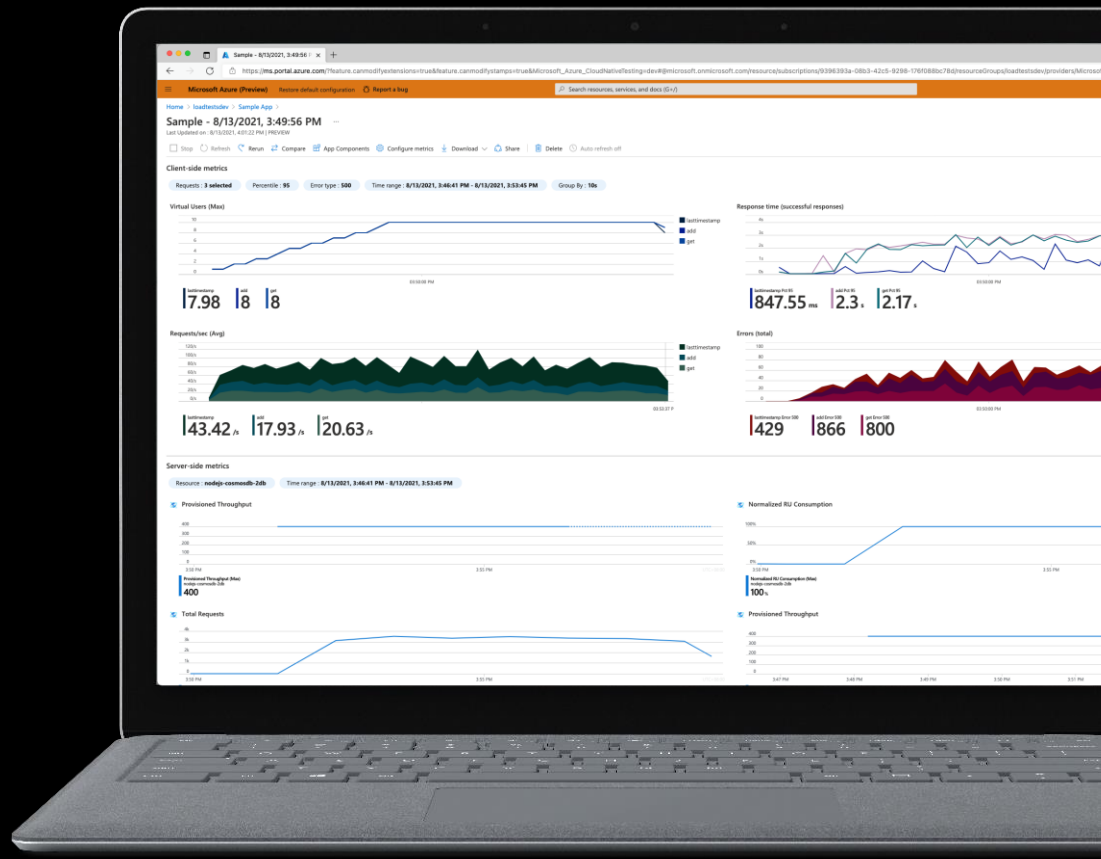
Eliminate the infrastructural complexities of generating high-scale load while unlocking the full power of open-source JMeter scripts at scale

Optimize performance at scale

Catch and identify app performance issues with actionable insights and Azure-specific recommendations

Build load testing into DevOps workflows

Integrate load testing into CI/CD workflows to catch and block performance issues early in the development lifecycle



Generating high-scale load with Azure Load Testing

Made for Azure

Networking best practices for high-scale load

Safe and cost-effective load tests

Azure-specific recommendations

Pipeline integration with GitHub and AzDO

Integrated Azure resource management and billing

In action

Resources

Get started

- Quickstart: Run a load test on a website
- Identify performance bottlenecks
- Identify regressions by comparing test runs

Automate load testing

- Continuous load testing with GitHub Actions
- Continuous load testing with Azure Pipelines

Tooling

- Apache jmeter
- jmeter plugin manager
- JMX online editor

Learn more about resiliency

- Understanding performance testing
- Azure Well-Architected Framework

Thank you