

Supercharge your DevOps skills with Azure Load Testing

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Mauro Contreras

Azure FastTrack Engineer

Microsoft

LinkedIn: /in/maurocon3ras



Chris Ayers
Senior Customer Engineer
Microsoft
LinkedIn: /in/chris-l-ayers

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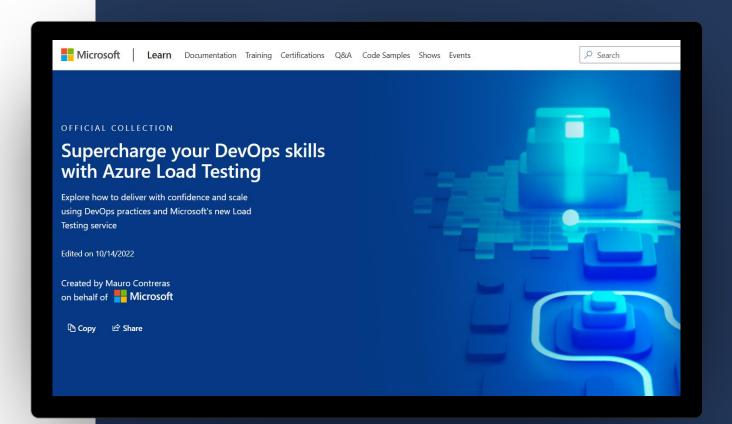
Xuhong Liu
Senior Customer Engineer
Microsoft
LinkedIn: /in/xuhong-I-5937159b

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Learning objectives

- Understand the place of load testing in a DevOps world
- 2. Overview of Azure Load Testing service
- 3. Learn how to create and reutilize tests
- 4. Learn how to integrate continuous Load Testing on GitHub Actions

Why Quality Assurance matters in a DevOps world



Quality Assurance is traditionally done at an advanced development stage

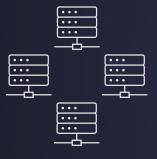


DevOps Shift-left mentality

Traditional Load Testing issues on organizations



Managing your own infrastructure



Scalability



Many teams need to be coordinated



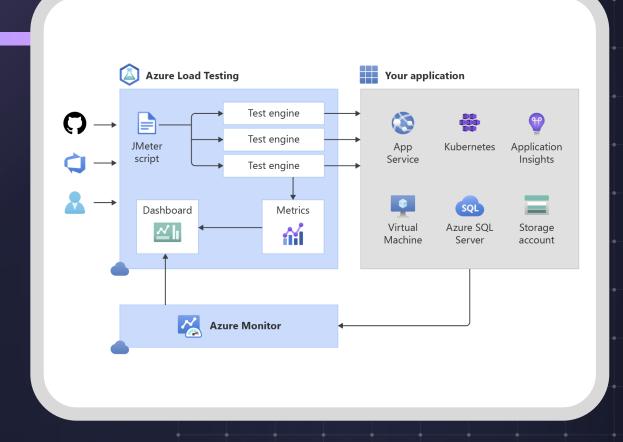
Happens on project milestones and not enough times

Azure Load Testing

Generate high-scale load with ease

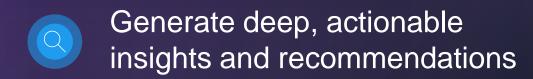
Generate high-scale load without the need for complex infrastructure

- Create tests quickly without prior knowledge of load testing tools
- Run existing test scripts with high-fidelity JMeter support
- Eliminate infrastructure needs with a fully managed service
 - Experience frictionless testing on Azure



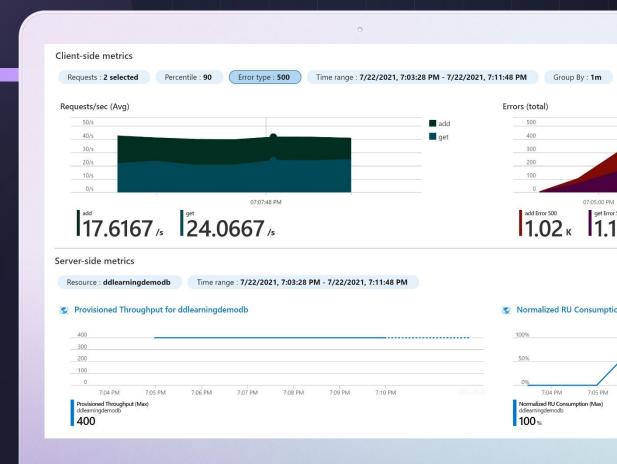
Optimize performance at scale

Catch and identify app performance issues at scale



Understand how tests impact all parts of your app

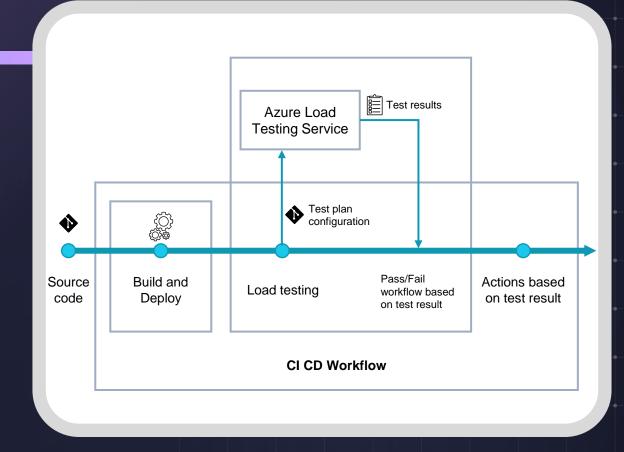
Compare across load tests to understand change over time



Build load testing into DevOps workflows

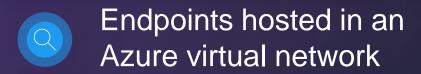
Integrate load testing into existing CI/CD workflows

- Shift load testing left to continually improve performance
- Establish a performance baseline and set clear pass/fail criteria
- View load test summaries in GitHub and Azure Pipelines, or get more details in Azure portal



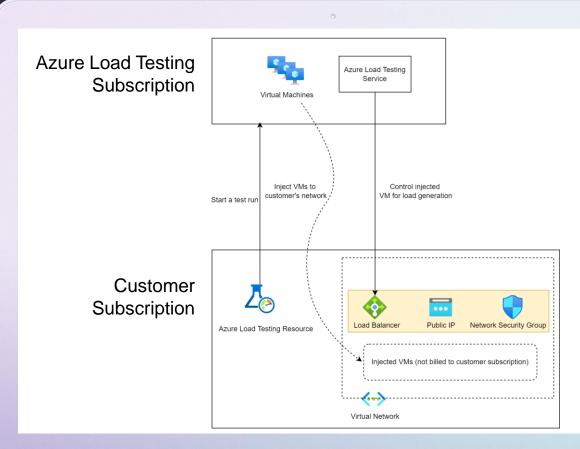
Run load tests against private endpoints

Generate load to privately hosted applications through VNET Injection



Public endpoints with access restrictions (e.g. IP allow-listing)

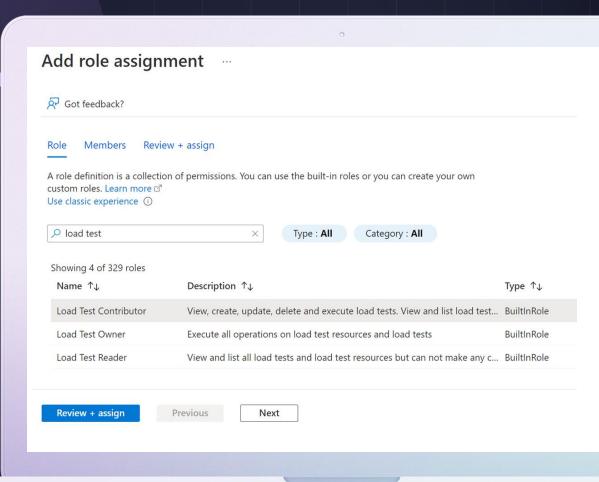
Hybrid application deployment via ExpressRoute



Security features

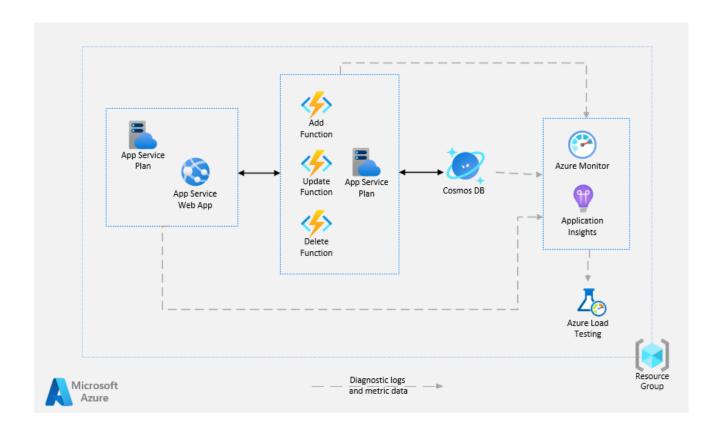
Tightly control access to test resources, data, and secrets

- Manage access (users and roles) with RBAC
 - Use system-assigned and user assigned identities
- Use service-managed and customer-managed keys
 - Use secrets in load test configuration with Azure Key Vault



Demo



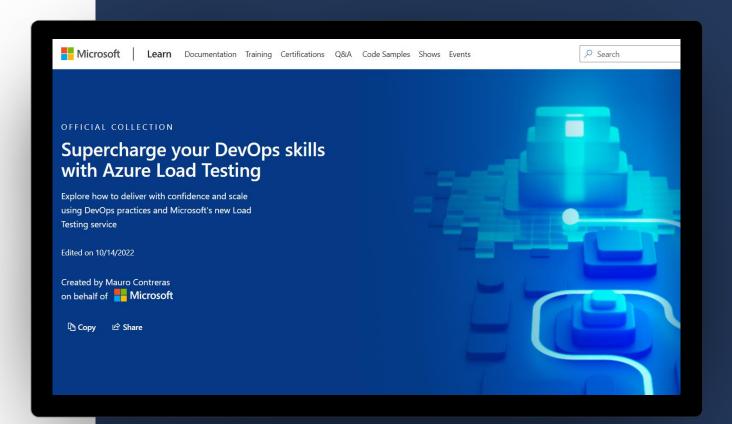


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Don't miss!

AKS Operations Best Practices

November 8, 2022 10:00AM (Pacific)

Continue your learning with the next episode in this series!!

https://aka.ms/learnlive-fasttrack-azure

https://aka.ms/learnlive-fasttrack-azure-Ep8







AKS Operations Best Practices: November 8, 2022 10:00AM - 11:30AM (Pacific)

Kubernetes is the most important application hosting technology in the market today and understanding the Day 2 operations on this platform is critical to success. This session will walk through the operational aspects critical to the functioning and maintenance of an AKS cluster. In this episode, you will learn about:

- Resource Management
- · Patching and Upgrade
- Business Continuity and Disaster Recovery

Check it out