



**“We can now onboard new Kubernetes Microservices Same Day Instead of One Week.”**



*“Our DevOps team creates pipeline templates, developers then instantiate these with their own service parameters.”*

Rajeshwari Zala, Director,  
Cloud Engineering, Ruckus

# Ruckus Networks Scales Continuous Delivery with Harness GitOps

## About

- Rajeshwari Zala, Director, Cloud Engineering, Ruckus
- Ruckus Networks builds converged wired and wireless networks for enterprises and service providers

## Compelling Event

- Migrating from monolith VM applications to Kubernetes microservices

**“Onboarding a new Kubernetes Application could take our DevOps engineers one week.”**

## CI/CD Challenges

- Past monolith application environments could take 30 minutes each to spin up with DevOps/developers waiting
- Horizontal scaling and elasticity of services in production
- Deployment pipelines in the past were service--specific with little reuse of logic or configuration across teams
- Existing monolith deployment pipelines could not accommodate new microservices artifacts of Docker Containers & Helm charts in addition to Kubernetes orchestration configuration
- Onboarding a new Kubernetes microservice could take DevOps engineers one week, with 40 more microservices requiring onboarding in the next year
- Building a custom MVP CD solution for Kubernetes services could take 2 DevOps engineers 6 months

## Harness Benefits

- Self-service Continuous Delivery for DevOps & Devs
- GitOps (pipelines-as-code) automates pipeline templating, reuse, and application onboarding
- Harness GitOps allows DevOps/Developers to manage pipeline, service, environment, Helm and Kubernetes configuration all in one place (Git repo)
- DevOps engineers create pipeline templates; developers instantiate these pipeline templates with their own service parameters via their Git repository
- 3 pipeline templates (patterns) onboarded 40+ Kubernetes microservices in days
- Developers use “on-demand” (on-commit) triggers to automate execution of pipelines

## CI/CD Ecosystem

- Docker, Helm, Kubernetes

## Business Impact

- Reduced onboarding time by 80% of New Kubernetes microservices from 1 week to same day
- Reduced DevOps onboarding effort from 38 weeks to 38 days
- 2 DevOps engineers now scale CI/CD across 40+ microservices and 40+ engineers
- Avoided \$250,000 in DevOps costs to build own CD platform and reduced time-to-market of CD from 6 months to 2 weeks

**“Our challenge was migrating from monolith VM-based apps to Kubernetes microservices.”**