Microservices for DevOps Team

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Microservice Development

What are Microservices?
Microservices vs Classic SOA
Principles of Microservices Architecture Design
Domain-Driven Design
Domain-Driven Design – Benefits
Microservices and Domain-Driven Design
Designing for failure
Microservices Architecture – Pros
Microservices Architecture – Cons

Docker and Microservices
Microservice Deployment with Docker – Workflow
Writing Dockerfile
Kubernetes
Microservices and Various Applications
Web Applications
Web Applications – Reference Architecture
Web Applications – When to use?

Single Page Applications
Single Page Applications – Benefits
Traditional Enterprise Application Architecture
Sample Microservices Architecture
Serverless & Event-driven Microservice

Twelve-factor Applications

Twelve-factor Applications
Twelve Factors, Microservices, and App Modernization
The Twelve Factors
Categorizing the 12 Factors

12-Factor Microservice Codebase
12-Factor Microservice Dependencies
12-Factor Microservice Config
12-Factor Microservice Backing Services
12-Factor Microservice Build, Release, Run
12-Factor Microservice Processes
12-Factor Microservice Port Binding
12-Factor Microservice Concurrency
12-Factor Microservice Disposability
12-Factor Microservice Dev/Prod Parity
12-Factor Microservice Logs
12-Factor Microservice Admin Processes