

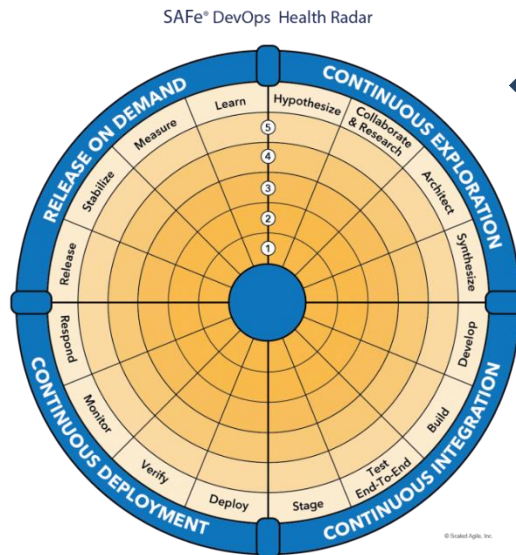
Topics SAFe DevOps

Introducing DevOps

- What is DevOps?
- The history of DevOps
- DevOps Benefits
- Continuous Delivery Pipeline
- DevOps Health Radar
- Continuous Security
- Continuous Testing
- A CALMR Approach to DevOps

Mapping Your Value Stream

- Value Stream Mapping
- Value Stream Canvas
- Value Stream Measurements



Gaining Alignment with Continuous Exploration

- **Hypothesize:** Lean Startup; Innovation Accounting
- **Collaborate & Research:** Lean UX; Research with Design Thinking
- **Architect:** Architect for Testability; Separate Deploy from Release; Architect for Operations; Threat Modeling
- **Synthesize:** Features; Behavior-Driven Development (BDD); WSJF-Prioritization; PI Planning

Building Quality In with Continuous Integration

- **Develop:** Splitting Features into Stories; Test-Driven Development (TDD); Version Control; Agile Software Engineering; Pair Work; Application Telemetry
- **Build:** Continuous Code Integration; Build and Test Automation; Trunk-Based Development; Gated Commit; Application Security
- **Test End-To-End:** Test Automation; Test Data Management; Service Virtualization; Nonfunctional Requirements (NFR)
- **Stage:** Blue/Green Deployment; System Demo

Reducing Time-to-Market with Continuous Deployment

- **Deploy:** Dark Launches; Feature Toggles; Infrastructure as Code; Deployment Automation; Self Service Deployment; Selective Deployment
- **Verify:** Production Testing
- **Monitor:** Full-Stack Telemetry; Visual Displays; Federated Monitoring; Artificial Intelligence for Operations (AIOps)
- **Respond:** Chaos Engineering; Proactive Detection; Cross-Team Collaboration; Immutable Infrastructure; Session Replay

Delivering Business Value with Release on Demand

- **Release:** Canary Releases
- **Stabilize:** Site Reliability Engineering (SRE); Failover/Disaster Recovery; Continuous Security Monitoring
- **Measure:** Evaluate Hypothesis
- **Learn:** Relentless Improvement

Taking Action

- Action Plan; Transformation Canvas

Becoming a Certified SAFe DevOps Practitioner

- SAFe Community Platform
- SDP exam and certification