DEVOPS® INSTITUTE

DevOps Foundation®
BLUEPRINT

With DevOps, people across the IT organization work together to enable fast flow, feedback, and continuous improvement of planned work into production, while achieving quality, stability, reliability, availability, security, and team satisfaction.

› BENEFITS

A comprehensive understanding of DevOps culture, processes, and cutting-edge technologies, including the latest concepts of AIOps, DevSecOps, Value Stream Management, Platform Engineering and Generative AI.

CALMS Values

C: Culture - Emphasizes shared vision, collaboration, communication, learning and continuous improvement.
A: Automation - CI/CD toolchains, AI and infrastructure-as-code enable automation, consistency, velocity and fast recovery.
L: Lean - Maximize customer value while minimizing waste and improving flow.
M: Measurement - Value-driven metrics for people, process and technology support trust and performance improvement.
S: Sharing - Leaders and teams share ideas, skills, improve communication, collaboration and performance.
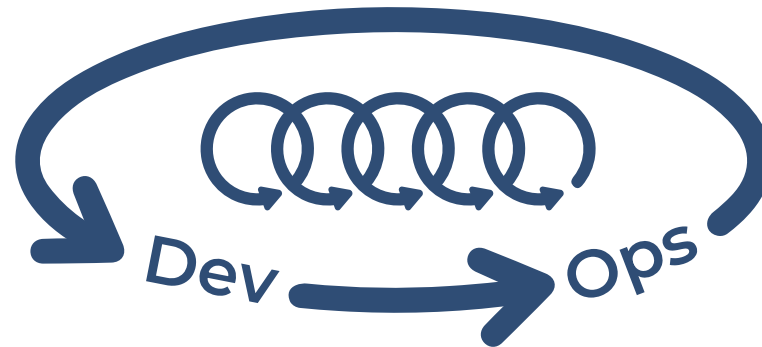
The Three Ways

1st Way: Continuous Flow
2nd Way: Feedback
3rd Way: Continuous Improvement (Experimenting and Learning)

Organization

Cross-functional teams focus on business goals. Ops work with Dev, supporting each other to improve flow towards production and monitor results.

Principles & Practices

Frequent small releases using continuous integration, testing, delivery, progressive deployments and monitoring reduce lead time, costs and risks.
Automation with AIOps, GenAI, Platform Engineering, and Value Stream Management.

Related Frameworks

Agile: Lean Development
ITSM: Processes
Lean: Reduce Waste
Value Stream Management: End-to-End
SRE: Continuous Operations

Dev Ops