DevOps Foundation®
BLUEPRINT

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

CALMS Values

C: Culture - emphasizes shared vision collaboration, communication, learning and continuous improvement.
A: Automation - CI/CD toolchains, 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, and skills, improve communication, collaboration and performance.

The Three Ways

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

Principles & Practices

Frequent small releases using continuous integration, testing, delivery, deployments and monitoring reduce lead time, costs and risks.

Organization

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

Benefits

Improved release cadence, velocity, throughput, efficiency and stability, quality, security and team satisfaction.

Related Frameworks

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

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