Article 8: DevOps Culture and Practices

DevOps combines software development (Dev) and IT operations (Ops) to improve collaboration and accelerate delivery.

Core Components

- **Continuous Integration (CI):** Frequent code merging and automated testing.

- **Continuous Delivery/Deployment (CD):** Automated release of software.

- **Infrastructure as Code (IaC):** Managing infrastructure using code.

Benefits

Faster release cycles, improved reliability, and better alignment between teams.

Challenges

Cultural shifts, toolchain integration, and skill gaps.