



CI/CD PROPOSAL

CONTINUOUS INTEGRATION AND
CONTINUOUS DEPLOYMENT

Problems CI/CD solves



- When investing more time in release cycle than delivering value
- Going through integration hell every time of completing features
- Struggling with Deployment
- Code gets lost due to botched merges
- Not able to meet deadlines due to deployment
- Disagreements between operation and development team

Roles of CI/CD

- CI/CD can reduce errors made by humans to the minimum levels
- Automating code compilation with CI
- Automating Unit test with CI
- Automating infrastructure creation with CD
- Automating deployment to production with CD
- Automating rollbacks with CD
- Automating smoke tests in production

BENEFITS OF CI/CD TO BUSSINESS

- Developers spend less time on errors which reduces cost
- Allows faster deployment which increases revenue
- Quick undo to return production to working state which protect business revenue
- Prevent costly security holes to avoid cost
- Avoid unused infrastructure resources to reduce cost