CONTINUOUS INTEGRATION / CONTINUOUS DEPLOYMENT

BENEFITS
OF
CI/CD

Reduce costs benefits

Catch Compile Errors After Merge → Less developer time on issues from new developer code
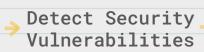
Automate Infrastructure Cleanup → Less infrastructure costs from unused resources

Avoid costs benefits

Catch unit test failures ----> Less bugs in production and less time in testing

Detect Security Vulnerabilities ----> Prevent embarrassing or costly security holes

Automate Infrastructure Creation ----> Less human error, Faster deployments

Increase revenue benefits

Faster and more Frequent production deployments

New value-generating features released more quickly

Deploy to production without manual checks

Less time to market

Protect revenue benefits

Automated smoke tests → Reduced downtime from a deploy-related crash or major bug

Automated rollback triggered by job failure → Quick undo to return production to working state