



Definition of CI/CD

- **Continuous integration:** is the process by which a developer on a team checks new code, automate builds and runs tests. This is the first step in a series of quicker feedback loops that can help notify the developer of issues with their code, so they can make changes faster and continue focusing their time on what matters.
- **Continuous Delivery:** is the process by which a developer on a team checks new code, automate builds and runs tests. This is the first step in a series of quicker feedback loops that can help notify the developer of issues with their code, so they can make changes faster and continue focusing their time on what matters.
- **Continuous Deployment:** This is a software engineering approach in which the value is delivered frequently through automated deployments. Everything related to deploying the artifact fits here. Its the process of 'Moving' the artifact from the shelf to the spotlight.

Benefits of CI/CD

Technical Language	Value	Translation
Automate Infrastructure Creation	Avoid Cost	Less human error, Faster deployments
Automate Infrastructure Cleanup	Reduce Cost	Less infrastructure costs from unused resources
Faster and More Frequent Production Deployments	Increase Revenue	New value-generating features released more quickly
Automated Smoke Tests	Protect Revenue	Reduced downtime from a deploy-related crash.