



COST REDUCTION

GO

Prodapt powering
global telecom

Get your products faster to market

**From development to test to production, CI/CD over containers
automates every phase**

Evolution of application development processes

The process for application development has seen a lot of changes over the last decade

- Linear application development process.
- Follows the sequential flow of application development.
- Bug fixes and new features have to wait for next release

Traditional application development process

- DevOps based process.
- System sends frequent feedbacks after every stage.
- Automated process from check in to integration

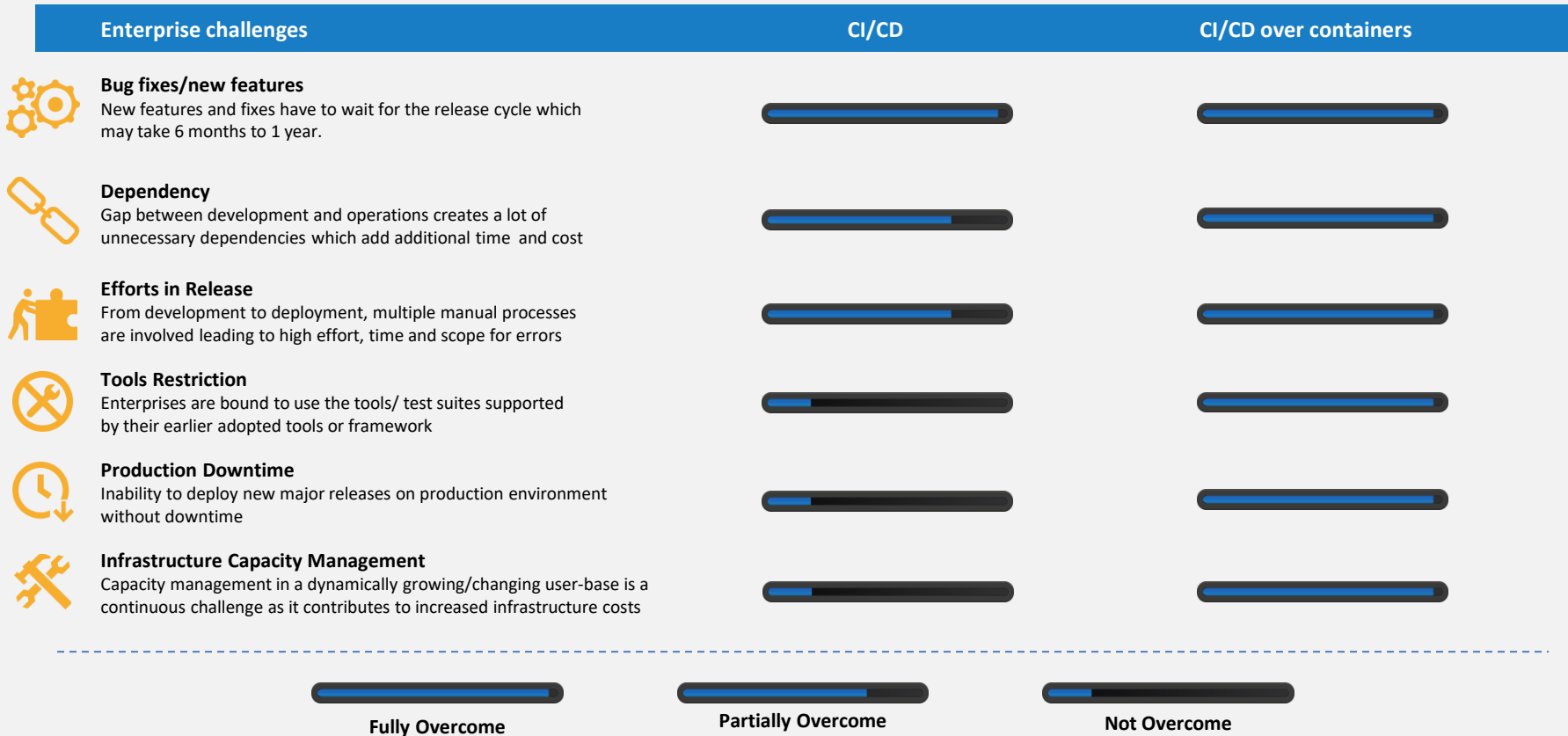
**Continuous Integration
Continuous Delivery
process**

- Light weight alternative to virtual machines
- Form of OS virtualization includes just the minimum OS resources, memory and the services required to run an application or service
- Faster and error proof deployment

**Continuous Integration
Continuous Delivery
over Containers**

This insight focuses on application development process that leverages CI/CD over containerization, a key driver for cost reduction in a pre- production environment

Solution benefits: CI/CD vs CI/CD over containers



Recommended features of a CI/CD over containers solution



Agility

- Micro-services based architecture to help in delivering frequent patches and releases

- Containerization to help in frequent and fast deployment of releases



Portability

- CaaS to make shipping of code easy

- Easy to scale up and scale down infrastructure (elasticity)

- CI/CD over containers to deploy application or micro-service without affecting the system. Hence zero downtime for production



Controllability

- Portal to view status of activities and utilization of resources

- One-click environment commissioning and decommissioning

- Adaptable CI/CD framework to help enterprises use tools of their choice



Adaptability

- APIs make framework adaptable for any tool, repository, test suite and deployment engine

- Adaptable frameworks give enterprises independence to choose tools of their choice



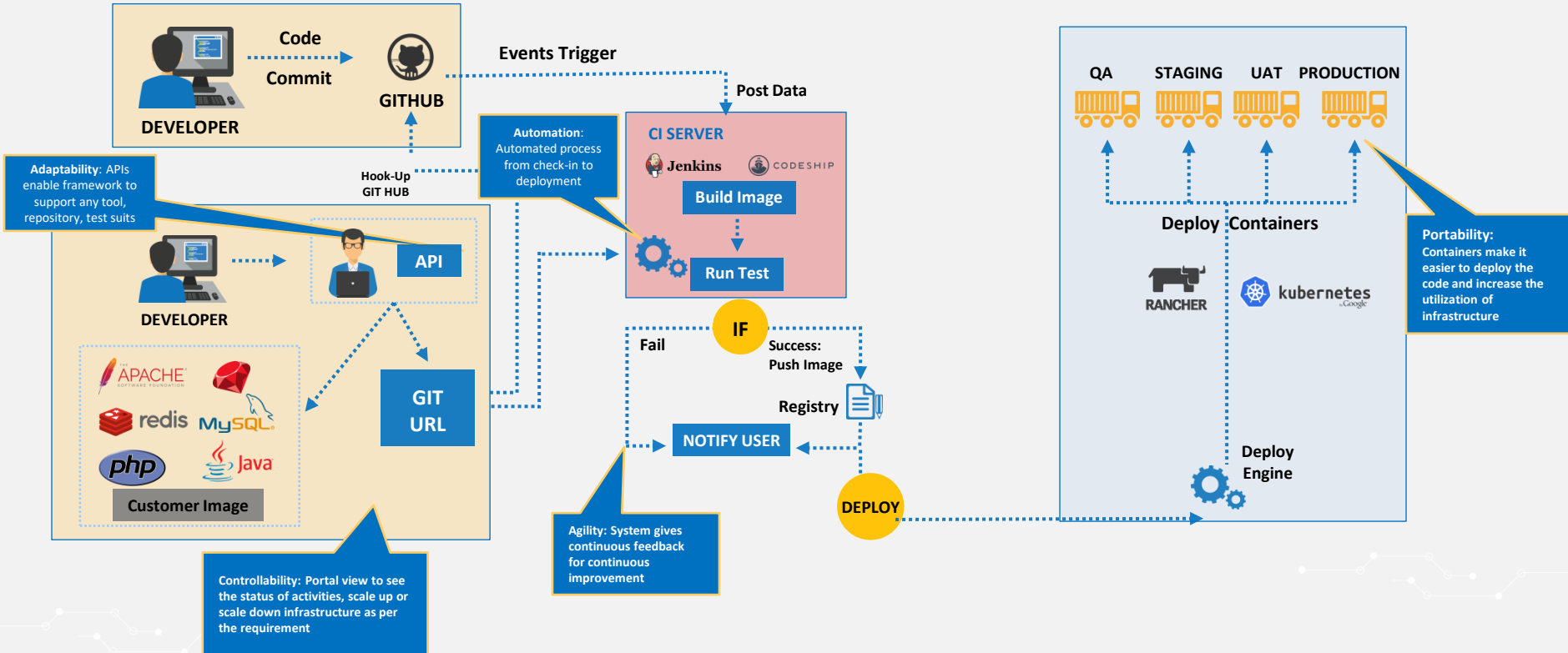
Automation

- Framework automatically builds, packages, tests and deploys applications

- Automated process from check-in to deployment leaves no scope for manual errors

Recommended framework that supports CI/CD over containers

CI/CD framework automating every stage from development to test to production and minimizing errors and delays in the process



Key takeaways



Faster time to market: A typical CI/CD solution follows microservices architecture that gives approximately 18% reduction in time to market for new applications, which increases the revenue up to 19% and delivery capability by approximately 21%.



Optimum use of infrastructure: CI/CD over containers solution makes shipping of code easy. It enables enterprises to maximize their compute usage and minimize resource wastage. Approximately 30% reduction in infrastructure usage from development/test consolidation to production



One-click infrastructure provisioning and decommissioning: CaaS features like portal view and one-click infrastructure provisioning and decommissioning reduces the resource wastage as resources are created and decommissioned dynamically as per need. This results in up to 50% reduction in overall VM use



THANK YOU!

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