AMDOCS POWERING FEARLESS TRANSFORMATIONS

Perspectives on Continuous Integration at Scale

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About us



Hrishi



Vinaya

DELIVERY CTO ORGANIZATION

EXPERTISE

CHANGE MANAGEMENT

Promoting the best ways to deliver software







Our track record is unmatched





Projects @ Amdocs Delivery





DISTRIBUTED SITES

MEGA TRANSFORMATIONS

MULTIPLE RELEASE TRAINS | SAFe



Our Operating Environment



Amdocs CES

Convergence















Internet Fixed Line

Customer Management Revenue Management Lead Management **Contact Center** Charging and Billing Self Care Order Management Payment and Collections **Customer Support** Contract Management Reporting Service and Resource Management Product and Service Lifecycle Workforce Management Product Catalog Promotions, Discounting and Rules Fulfillment and Provisioning Inventory Management Products Services Partnership Knowledge **Customer Experience Solutions**



Technology

Service Delivery

Not Product Development



Integration Challenges

Multi Product – Multi Technology – Multi Team



Legacy Infrastructure

Source control, Build Systems

Code works on my machine

Traditional Automation

Record and Play



We are Unique

Array of homegrown tools & standards



Build is a big event

Takes days







Process







People





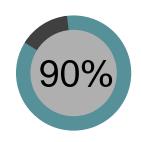




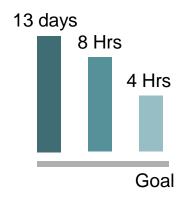
Where are we today

Environments

Time to clone environment reduced due to EaaS



Build Time



Build Running every



Compilation no longer a blocker



Monthly ability to deliver working software to UAT With major scope





Crafting a New Reality



representative

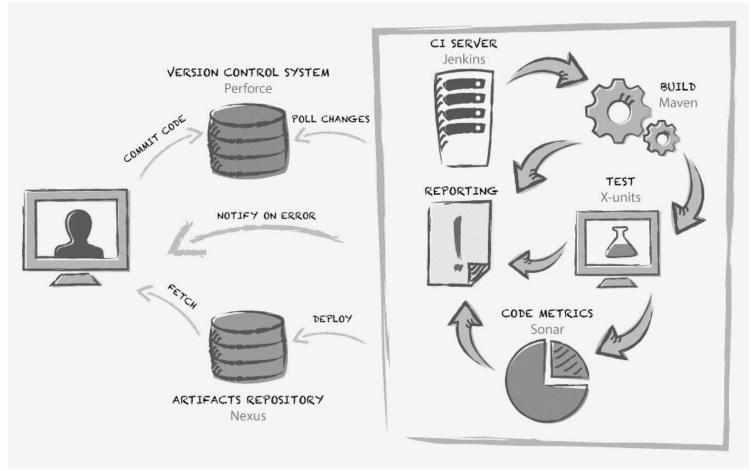
The Continuous Delivery Maturity Model







Starting to modernize





Technology

Technical debt

Measured and managed



Modern Version Control system



Inverting the Test Automation pyramid

- UT automation
- Safety net for refactoring



Development Environment cloning

 Deploy portfolio integrated build



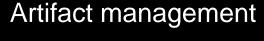
Simplified build order and dependency management

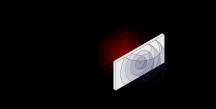
Modular builds



Moving from imperative to declarative

maven









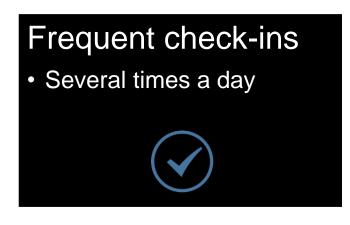
Process

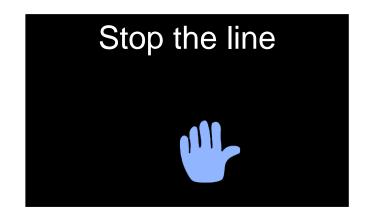












People





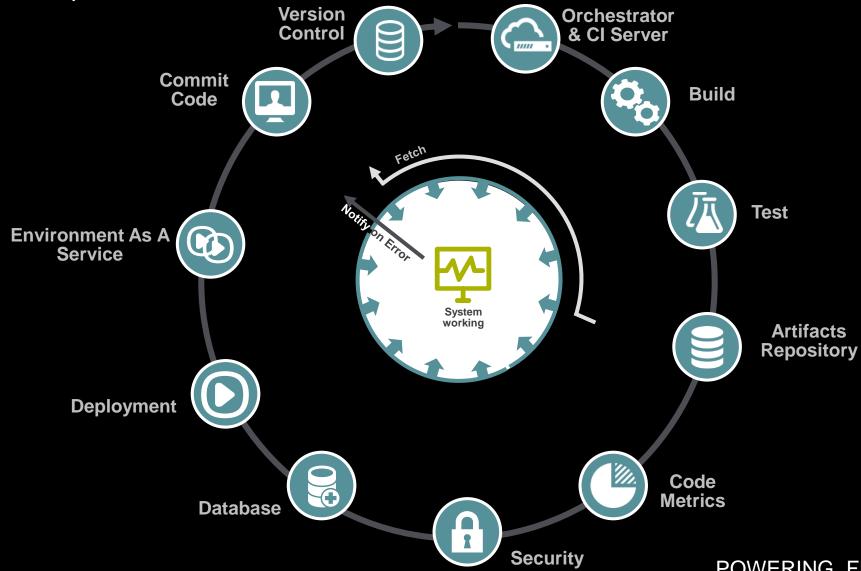


Quality is everybody's responsibility





Continuous Integration



amcocs embrace challenge experience success®

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Our learnings

One team cannot go CI

Daily check ins are a must UT automati on targets don't work

CI Useless without automati on

STOP the line is critical Focus
on clean
code will
go a
long way

Rely more on build, not Hot Fixes

Don't alienate middle manage ment

Gamification

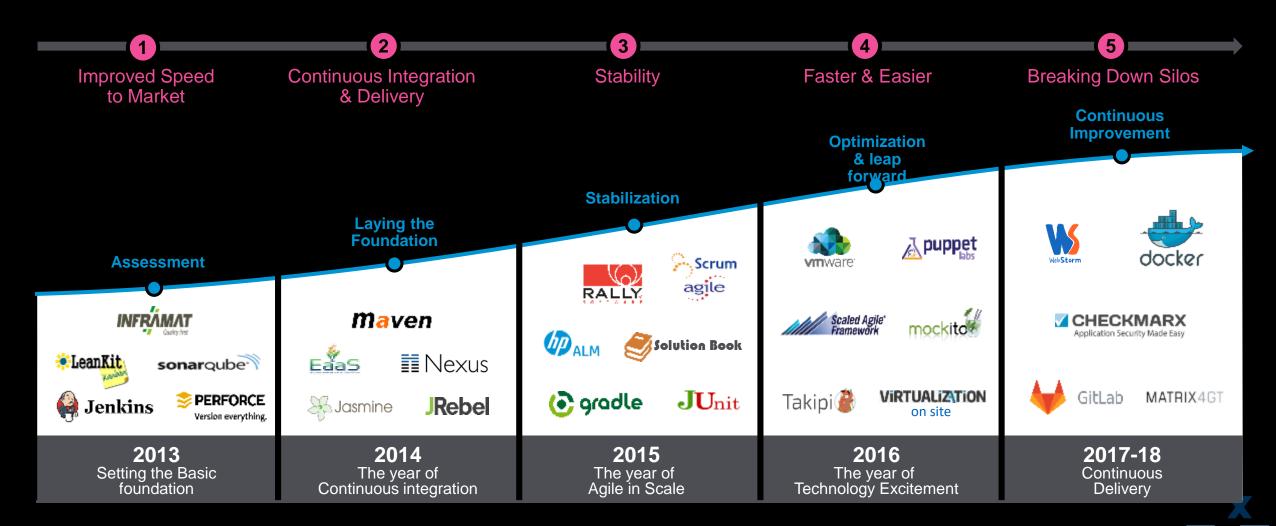
Sustain

Workshops





Our roadmap







Questions?



Thank You

