CI Acceleration at Scale

a JPMorgan Chase success story!
JPMorgan Chase & Co.

It's a bank
Presenters

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Agenda

- Our SDLC Platform
- Our Challenges
- CI Evolution
- Measuring Success
Our SDLC Platform

- **Environment**
  - Public Cloud
  - On Prem

- **Scale**
  - 40k+ developers
  - 150k+ CICD pipelines per day
  - 100k+ repos

- **Third Party Tools**
Our Challenges

- Communication
- Enablement
- One size doesn’t fit all
- Regulations
The Balancing Act

Developer Productivity & Experience
- Faster Builds & Tests
- Predictable Results
- Extreme Observability
- Easy to Debug Issues
- Zero Toil

Platform Engineer's Experience
- Availability
- Operability
- Security
- Traceability

Stable & Scalable Platform
CI Evolution

Traceability
- Audit Logs

Compliance
- Policy Enforcements and Proof
- Parallel CI Stages
- Resume from point of failure
- Gradle Enterprise

Productivity
- Monolith to Microservices
- Single Pane of Glass

Modernization
Communication

Documentation

Tech Forum

Office Hours

Enablement

Repave

Rotate

Repair

Optimization

Blueprint

Agility

One size does not fit all

Regulations

Code segmentation

Environment segmentation

One size does not fit all
Meet the Developers Where They Are
- Personalized ROI report
- Workshops

Near Zero Toil for Developers
- Auto generated PR
- Blueprints

Engage in Targeted Communication
- Data Driven
- Objective Outcomes

Keep Moving the Needle
- Monitor for regressions
- Measure Experience
Measuring Success

- Predictability
  - Duration
  - Variance

- Reliability
  - Functional
  - Performance

- Developer Experience
  - Toil
  - Context Switch

- Platform Engineer Experience
  - KYPF first
  - 100% Regulatory adherence
Contact us

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