



Technical Agility



TABLE OF CONTENTS

- 1** **Why Technical Agility**
- 2** **The problems that it solves**
- 3** **Is Technical Agility about code?**
- 4** **Technical Agility Enablers**
- 5** **Technical Agility as Continuous Flow**



Why Technical Agility?

Agile Software Development is

- Adaptive rather than predictive
- People-oriented rather than process-oriented
- Small production-ready increments
- Delivering value in shortest sustainable lead time

To make Agile work, you need solid technical practices



The problems that it solves

- Misunderstood requirements
- Rigid non-scalable designs
- Unmaintainable and superfluous code
- Less frequent, manual and fragile builds
- Unproductive test automation
- Manual environment provisioning
- Manual package deployments
- Reactive problem detection and delayed recovery
- Misleading vanity metrics
- No Continuous Delivery pipeline



Is Technical Agility about code?

Technical Agility goes beyond Code

- It starts much before even a single line of code is written
- It continues much after the coding has been completed

Involves Business and Operations in Agile process



Technical Agility Enablers

- Collaborative exploration of customer needs (Lean UX, Test-first, BDD)
- Evolutionary Architecture and design
- Code quality (TDD, Static Code analyzers)
- Frequent small increment builds (Code check-in, automated builds and trunk based development)
- Code and design refactoring
- API and GUI Test automation, end-to-end state transition based test design (Automated feedback)
- Automated environments provisioning (Containerization and PaaS)
- Continuous Integration and Continuous deployment
- decoupled from releases (Dark Launch, Feature toggles, A/B Testing, Blue/Green deployment)
- Continuous Monitoring (Full stack telemetry, visual displays, Federated monitoring)
- Culture of shared responsibility for development, testing, deployment and operations.

Technical Agility as Continuous Flow



Please reach out to us for our Technical Agility Advisory and Consulting services
www.visiontemenos.com



Almost every enterprise transformation team overstates the degree to which they can control negative effects of change and underestimates the time, collaborative energy and money it would take to prepare for the change

Siraj Sirajuddin ▪ Founder, Temenos

THANKS!

Contact us

Email: b2b@visiontemenos.com

www.visiontemenos.com

