

Introduction to Disciplined Agile Delivery (DAD)

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THE GREATER SOLUTION

Agenda



- Defining Disciplined Agile Delivery (DAD)
- People first
- Learning oriented
- Hybrid agile framework
- A risk-value driven lifecycle
- Goals driven lifecycle
 - Inception
 - Construction
 - Transition
- Enterprise aware
 - Optimize the whole
 - Agile governance
- Agility@scale
- Questions

Defining DAD

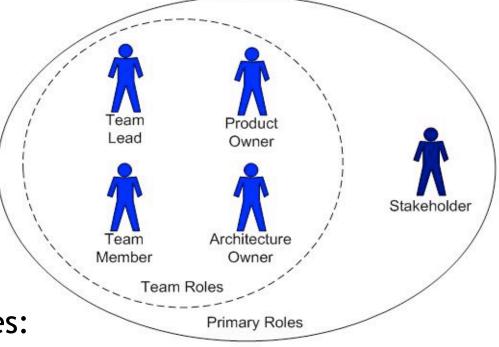


- The Disciplined Agile Delivery (DAD) process framework is a hybrid agile approach to IT solution delivery that is:
 - People-first
 - Learning-oriented
 - Risk and value driven
 - Goal-driven
 - Scalable
 - Enterprise aware

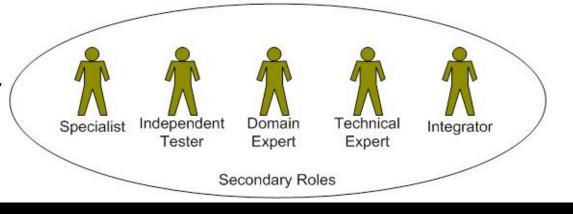
People First: Potential roles on DAD teams



- Primary roles:
 - Stakeholder
 - Team Lead
 - Product Owner
 - Agile Team Member
 - Architecture Owner



- Secondary/optional roles:
 - Domain Expert
 - Technical Expert
 - Independent Tester
 - Integrator
 - Specialist



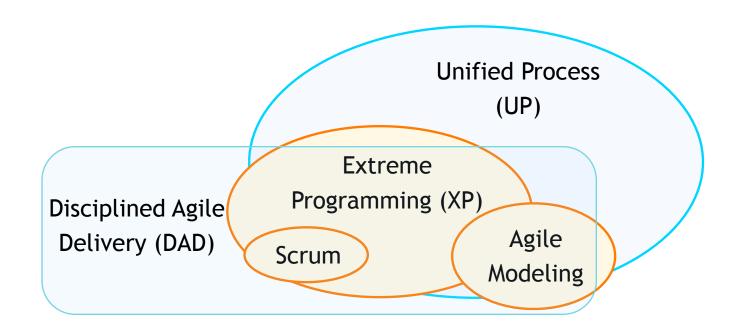
Learning oriented



- Domain learning
 - Initial requirements envisioning
 - Incremental delivery of a potentially consumable solution
 - Active stakeholder participation throughout lifecycle
- Process improvement
 - Retrospectives at the end of an iteration
 - Tracking of improvements
 - Sharing of skills through non-solo development
- Technical learning
 - Architecture spikes
 - Proving the architecture with working code
- General strategies
 - Training
 - Education
 - Mentoring/coaching
 - Individuals are generalizing specialists, not just specialists

Disciplined Agile Delivery (DAD): A Hybrid Framework

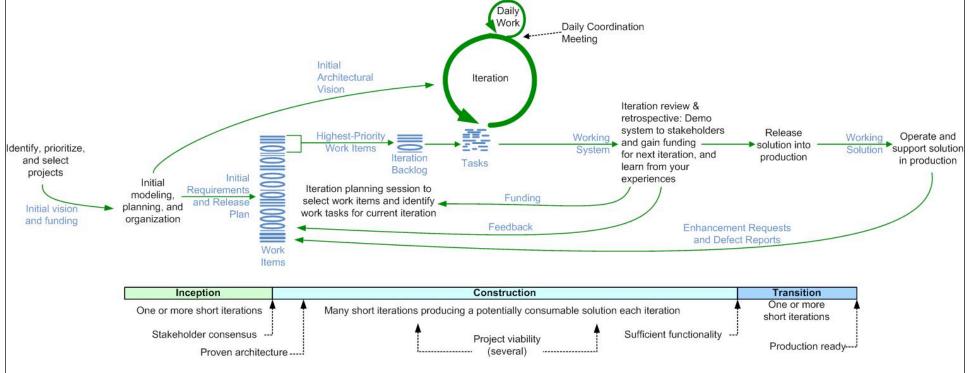


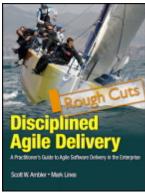


DAD is a hybrid process framework adopt best practices and philosophies from several methodologies

The Disciplined Agile Delivery life cycle







The Disciplined Agile Delivery (DAD) process framework is a people-first, learning-oriented hybrid agile approach to IT solution delivery. It has a risk-value lifecycle, is goal-driven, scalable, and is enterprise aware.

Goals Throughout the DAD Lifecycle



Goals for the Inception Phase

- Identify the vision for the project
- Bring stakeholders to agreement around the vision
- Align with enterprise direction
- Identify initial technical strategy, initial requirements, and project plan
- Set up the work environment
- Form initial team
- Secure funding
- Identify risks

Goals for Construction Phase Iterations

- Produce a potentially consumable solution
- Address changing stakeholder needs
- Move closer to deployable release
- Maintain or improve upon existing levels of quality
- Address highest risk(s)

Goals for the Transition Phase

- Ensure the solution is production ready
- Ensure the stakeholders are prepared to receive the solution
- Deploy the solution into production

Ongoing Goals

- Fulfill the project mission
- Grow team members skills
- Enhance existing infrastructure
- Improve team process and environment
- Leverage existing infrastructure



Concept: The Agile 3C rhythm

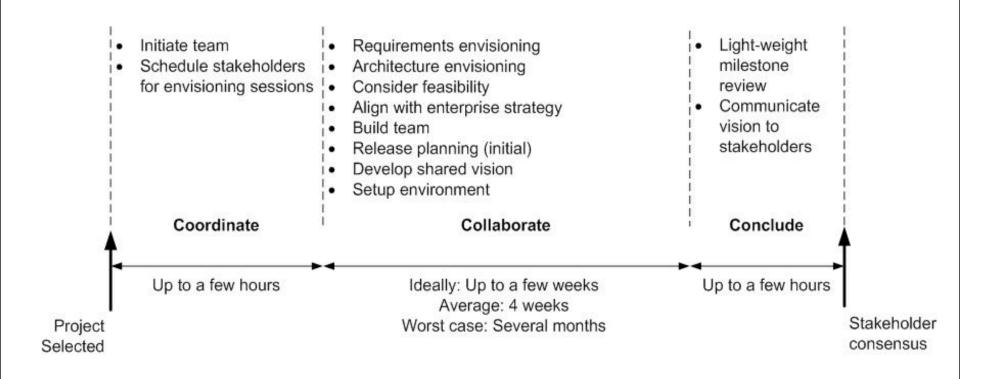
■ The coordinate-collaborate-conclude rhythm occurs at several scales on a disciplined agile delivery (DAD) project:

Release rhythm	Inception	Construction	Transition
	Coordinate	Collaborate	Conclude
Iteration rhythm	Iteration Planning	Development	Stabilize
	Coordinate	Collaborate	Conclude
Daily rhythm	Coordination Meeting	Daily work	Stabilize
	Coordinate	Collaborate	Conclude

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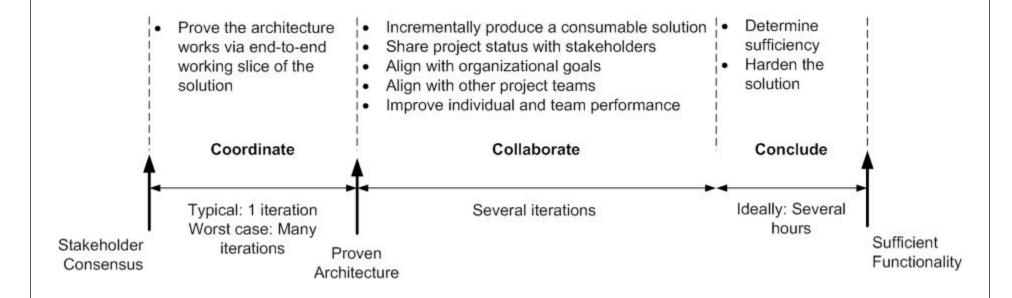
The DAD Inception Phase





The DAD Construction Phase





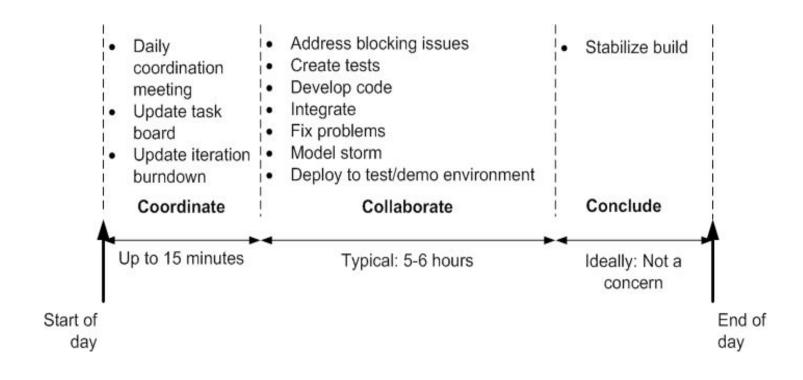
Typical Construction Iteration





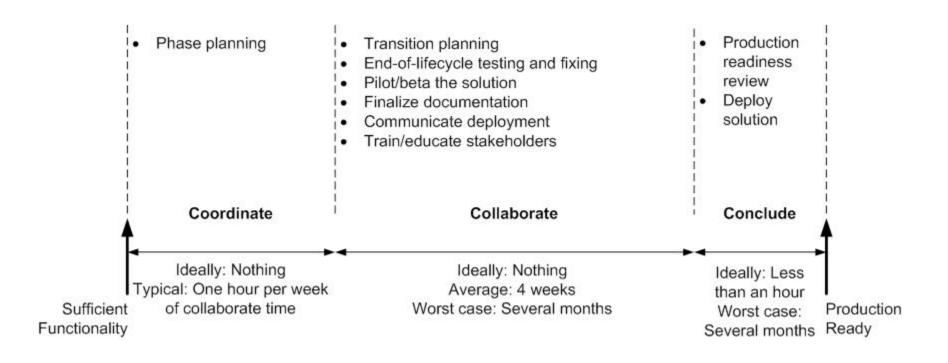
Typical day during construction





The DAD Transition phase





Enterprise awareness: Optimizing the whole



- Follow corporate conventions:
- Standards and guidance for the architecture
- Coding standards
- Data guidelines
- User interface (UI) guidelines
- -And many more
- Enhance the organizational ecosystem:
- Reusing and leveraging the existing infrastructure is great
- Enhancing and building out the infrastructure is better
- -Work closely with the enterprise architecture (EA) team
- Share learnings:
- -Personal and team improvement is great
- Organization-level improvement is better
- Your agile center of competency should harvest and share improvements
- Interact with other (potentially non-agile) teams:
- Enterprise architecture
- -Data management
- -Governance
- Quality assurance
- Project management office (PMO)

Enterprise awareness: Governing agile teams



- Agile teams provide:
- -Significantly greater visibility to stakeholders regarding their actual status
- -Many more opportunities for stakeholders to steer the project
- -BUT... require stakeholders to be actively involved and accountable
- Practices:
- Active stakeholder participation
- -Potentially consumable solutions every iteration
- -Risk-value lifecycle
- Explicit, light-weight milestone reviews
- -Daily coordination meetings
- -Iteration demos
- -All-hands demos
- -Follow enterprise development guidance
- Work closely with enterprise architects
- Automated metrics gathering

Disciplined Agile Delivery (DAD): The Foundation for Agility@Scale









Geographical distribution

Co-located Global

Disciplined Agile Delivery

Domain Complexity

Straight -forward Intricate, emerging



Enterprise discipline

Project focus Enterprise focus

Organization distribution (outsourcing, partnerships)

Collaborative Contractual



Organizational complexity

Flexible Rigid

Technical complexity

Homogenous Heterogene legacy



Some agile whitepapers on IBM.com



- The Agile Scaling Model (ASM): Adapting Agile Methods for Complex Environments
 - ftp://ftp.software.ibm.com/common/ssi/sa/wh/n/ raw14204usen/RAW14204USEN.PDF
- Scaling Agile: An Executive Guide
 - ftp://public.dhe.ibm.com/common/ssi/sa/wh/n/ raw14211usen/RAW14211USEN.PDF
- Improving Software Economics: Top 10 Principles of Achieving Agility at Scale
 - ftp://public.dhe.ibm.com/common/ssi/ecm/en/raw14148usen/ RAW14148USEN.PDF
- Enable the Agile Enterprise Through Incremental Adoption of Practices
 - http://public.dhe.ibm.com/common/ssi/ecm/en/ raw14077usen/RAW14077USFN.PDF

Disciplined Agile Delivery (DAD) Resources



DAD Training

- IBM's Advanced Disciplined Agile delivery workshop: 3 days (21 PDUs)
 - google "RP252 DAD"
 - (PMI approved, registered under provider number 1107)
- The Disciplined Agile Delivery Experience: 3 days
 - www.UPMentors.com/courses

DAD Services

- DAD Quick Start with IBM Rational Team Concert (RTC)
- DAD w/ Atlassian Coaching, Consulting, Workshops
 - www.AppFusion.com/Agile

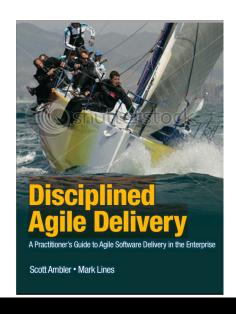
DAD Products

- The DAD process template for IBM Rational Team Concert (RTC)
- Or even better....
 - www.DisciplinedAgileDelivery.com

upcoming Disciplined Agile Delivery book



- IBM's approach to Agile development
 - written by Mark Lines & Scott Ambler for IBM Press
 - Adds enterprise discipline to Scrum, Extreme Programming/XP and other agile techniques
 - available Q1 2012 on Amazon etc.
 - some chapters now available of Safari Roughcuts for review
- www.DisciplinedAgileDelivery.com
 - the DAD community website
 - join the discussion today!!







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