ATLASSIAN

teamTOUR

Government

Washington DC
6 March 2024
11:30am ET

Configuring Jira for Agility At Scale

A DOD Case Study

ARIEL PARTNERS
MISSION CRITICAL AGILE™

Featuring:

Craeg Strong, *CTO Ariel Partners*

Craeg Strong

CTO, Ariel Partners
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- Software Development since 1988
- Large Commercial & Government Projects
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DOD Context

DoD Client

120+ **Programs**
2,100+ **Personnel**
200+ **Stakeholders**
$1.03B **Annual Portfolio**

Business Areas Supported

Acquisition, Contracting, Finance, Logistics, Maintenance, Operations, Personnel, Transportation, and Civil Engineering

Challenges

- **Unique Programs (age, complexity, tech debt)**
- **Different phases in SDLC**
- **Diverse Governance & Management Structures**

Agenda

1. Balancing Flexibility with Governance in your Workflows
2. Managing Dependencies with Program Boards
3. Improving Predictability for Critical Milestones

Jira Software

Data Center

Premium or Enterprise

Atlassian Marketplace Plugins

Checklist for Jira | Enterprise

Color Cards for Jira

JSU Automation Suite for Jira Workflows

ActionableAgile Analytics: Kanban / Agile Metrics, Forecasts

JXL - Sheets Hierarchy Structure Sum-up

ScriptRunner for Jira

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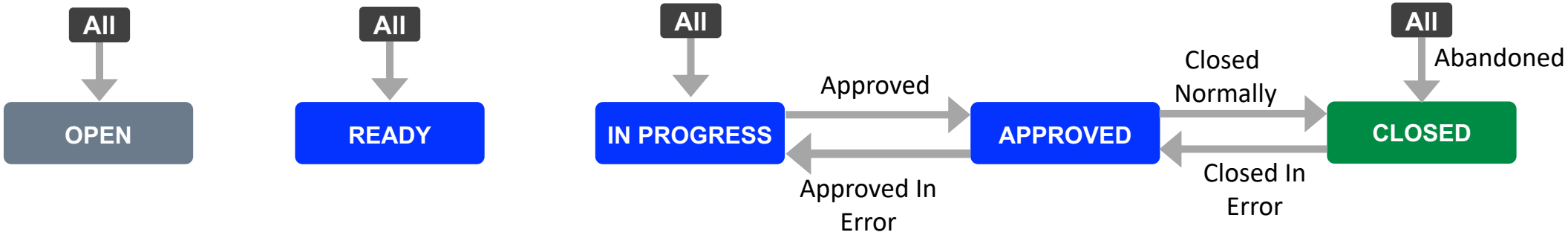
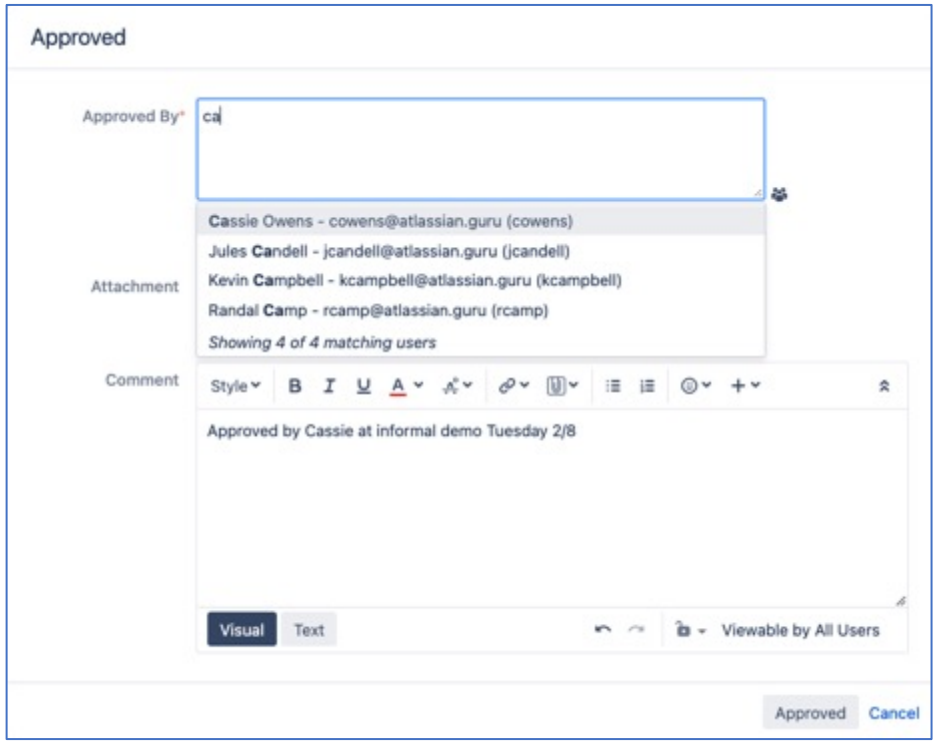
1

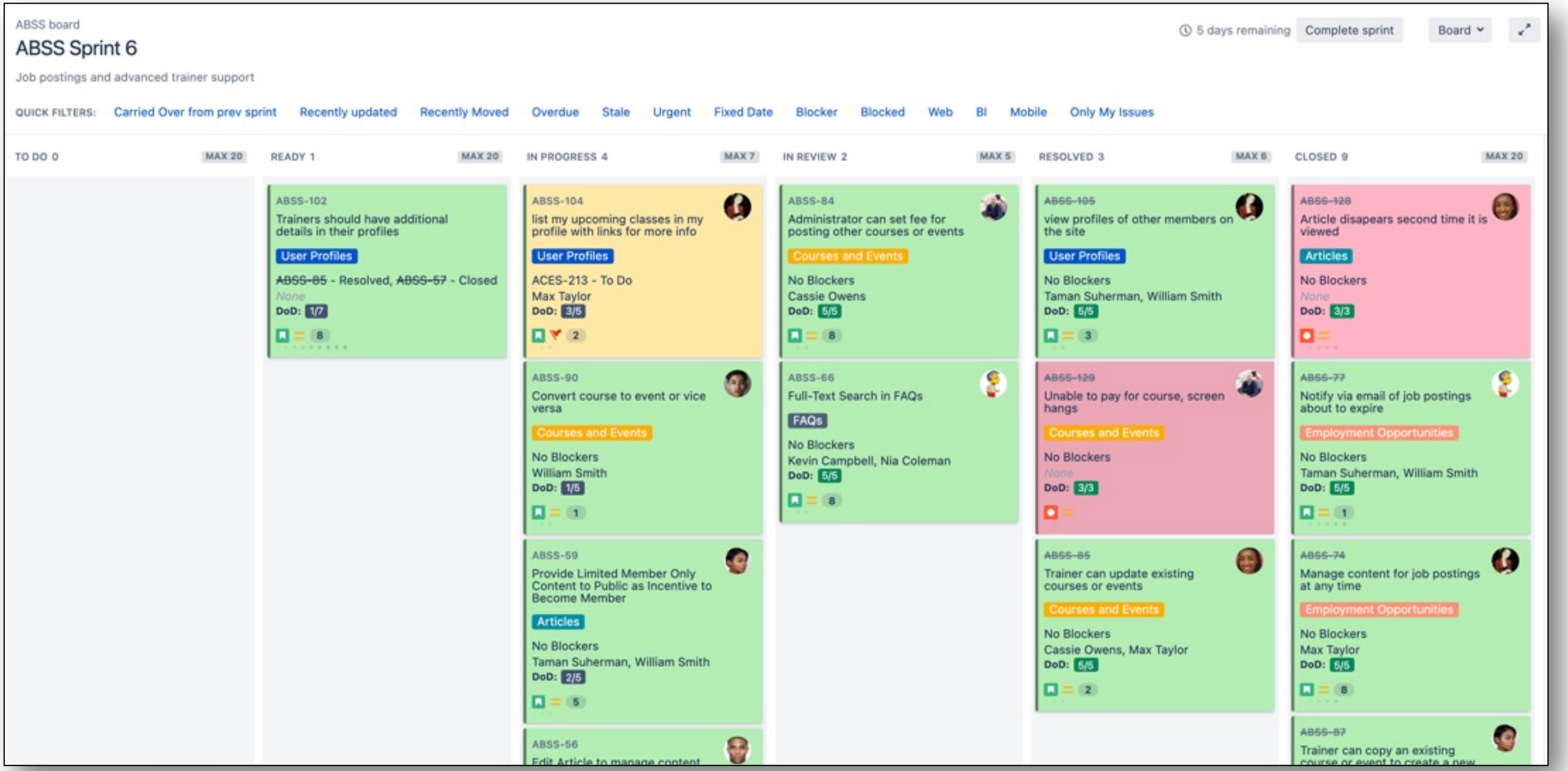
Balancing Flexibility with Governance in your Workflows

Enforcing Governance, Enabling Flexibility

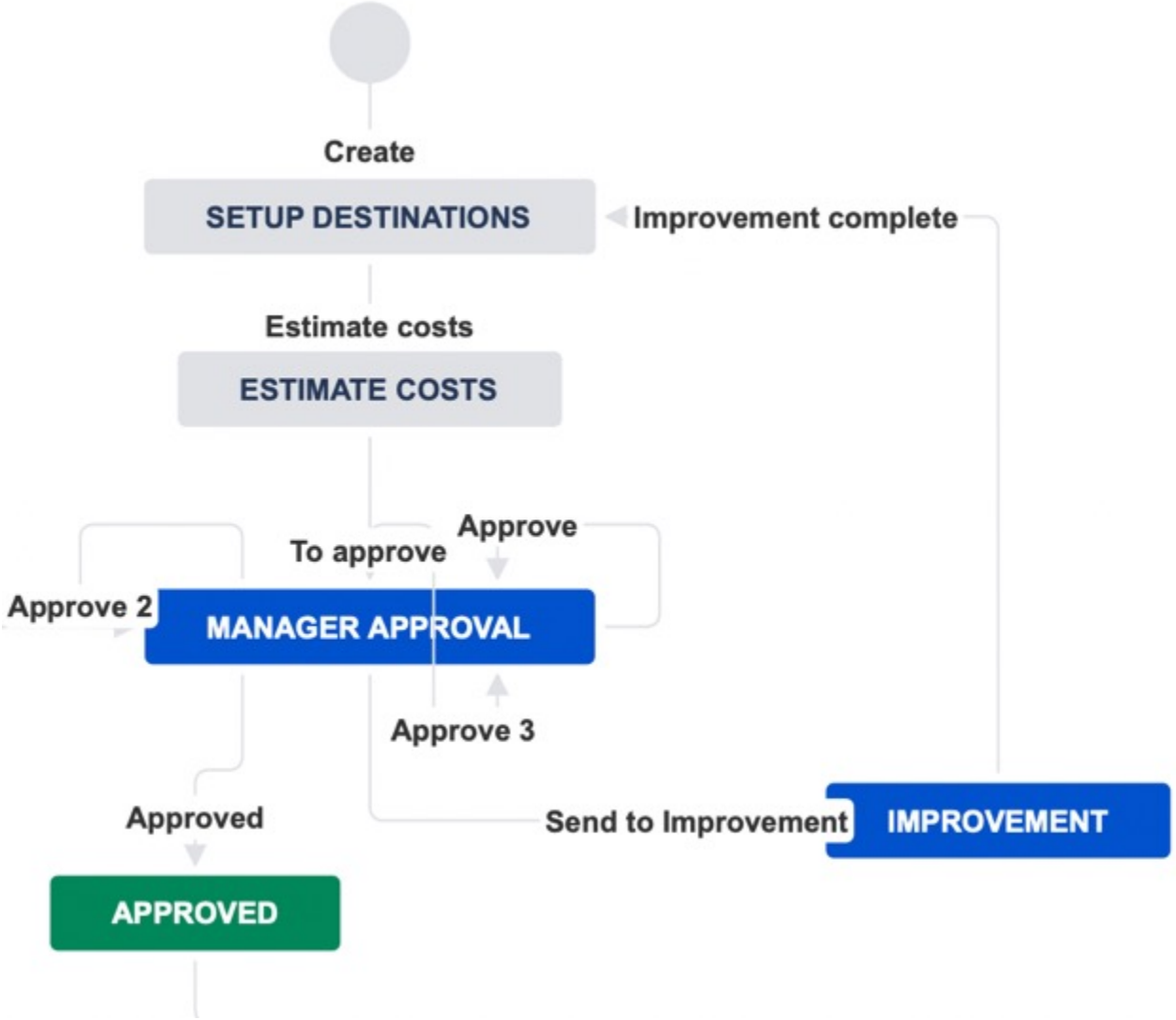




Team Boards


ABSS board
ABSS Sprint 6
Job postings and advanced trainer support
5 days remaining
Complete sprint
Board
QUICK FILTERS: Carried Over from prev sprint Recently updated Recently Moved Overdue Stale Urgent Fixed Date Blocker Blocked Web BI Mobile Only My Issues
TO DO 0 MAX 20
READY 1 MAX 20
IN PROGRESS 4 MAX 7
IN REVIEW 2 MAX 5
RESOLVED 3 MAX 6
CLOSED 9 MAX 20
ABSS-102
Trainers should have additional details in their profiles
User Profiles
~~ABSS-85~~ - Resolved, ~~ABSS-57~~ - Closed
None
DoD: 1/7
ABSS-104
list my upcoming classes in my profile with links for more info
User Profiles
ACES-213 - To Do
Max Taylor
DoD: 3/5
ABSS-84
Administrator can set fee for posting other courses or events
Courses and Events
No Blockers
Cassie Owens
DoD: 5/5
~~ABSS-105~~
view profiles of other members on the site
User Profiles
No Blockers
Taman Suherman, William Smith
DoD: 5/5
~~ABSS-128~~
Article disapears second time it is viewed
Articles
No Blockers
None
DoD: 3/3
ABSS-90
Convert course to event or vice versa
Courses and Events
No Blockers
William Smith
DoD: 1/5
ABSS-66
Full-Text Search in FAQs
FAQs
No Blockers
Kevin Campbell, Nia Coleman
DoD: 5/5
~~ABSS-129~~
Unable to pay for course, screen hangs
Courses and Events
No Blockers
None
DoD: 3/3
~~ABSS-77~~
Notify via email of job postings about to expire
Employment Opportunities
No Blockers
Taman Suherman, William Smith
DoD: 5/5
ABSS-59
Provide Limited Member Only Content to Public as Incentive to Become Member
Articles
No Blockers
Taman Suherman, William Smith
DoD: 2/5
~~ABSS-85~~
Trainer can update existing courses or events
Courses and Events
No Blockers
Cassie Owens, Max Taylor
DoD: 5/5
~~ABSS-74~~
Manage content for job postings at any time
Employment Opportunities
No Blockers
Max Taylor
DoD: 5/5
ABSS-56
~~ABSS-87~~
Trainer can copy an existing

Multiple Levels of Approval



Jira Software

- ❑ 90% of Issues Flow at Speed
- ❑ Approvals Auto-Triggered when Needed
- ❑ Searchable Audit Trail

\+

Jira Service Management

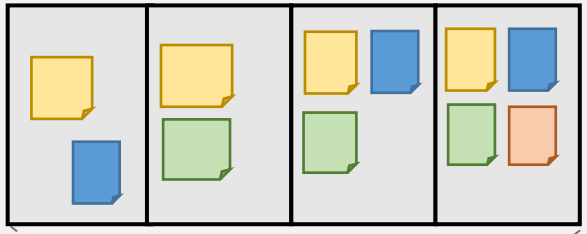
- ❑ Multiple Levels of Approval
- ❑ Approver Groups
- ❑ Escalation
- ❑ Alerts and Notifications

2

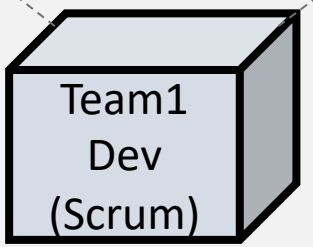
Managing Dependencies with Program Boards

Essential Scaling Practices

Team Board

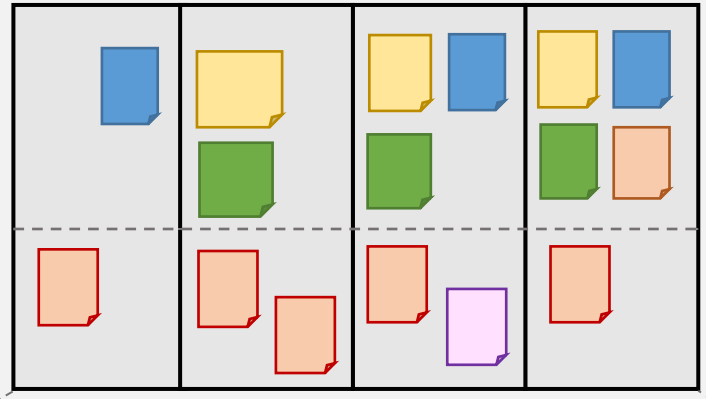


Team1 Board

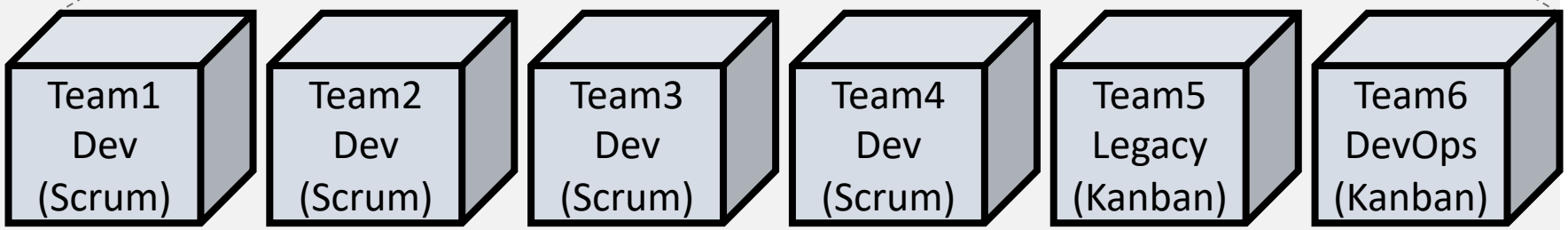


Daily Standup

Program Board



DMAPS Program Board



Weekly Standup aka “Scrum of Scrums”

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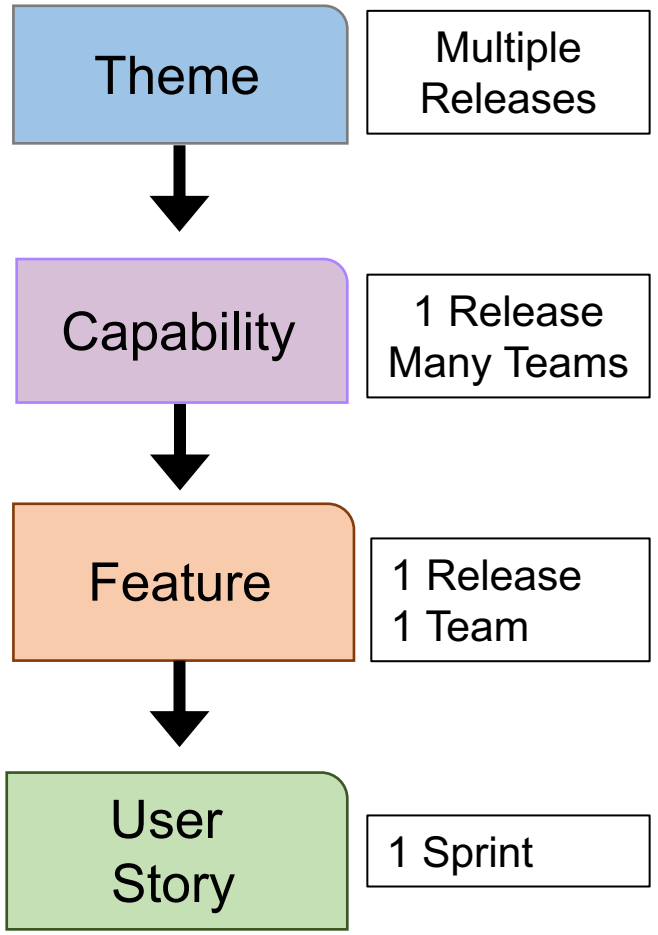
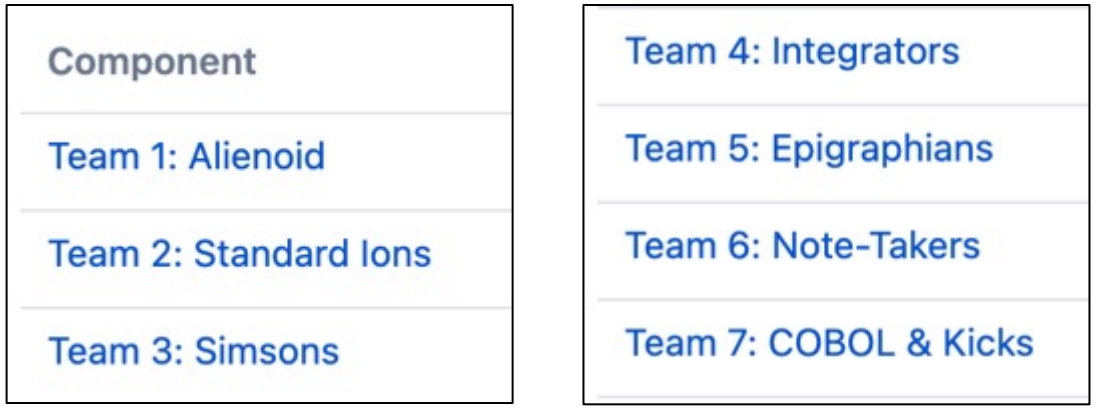
Supporting Multiple Teams

1. Configure Hierarchy with Advanced Roadmaps



2. Define Teams using Components



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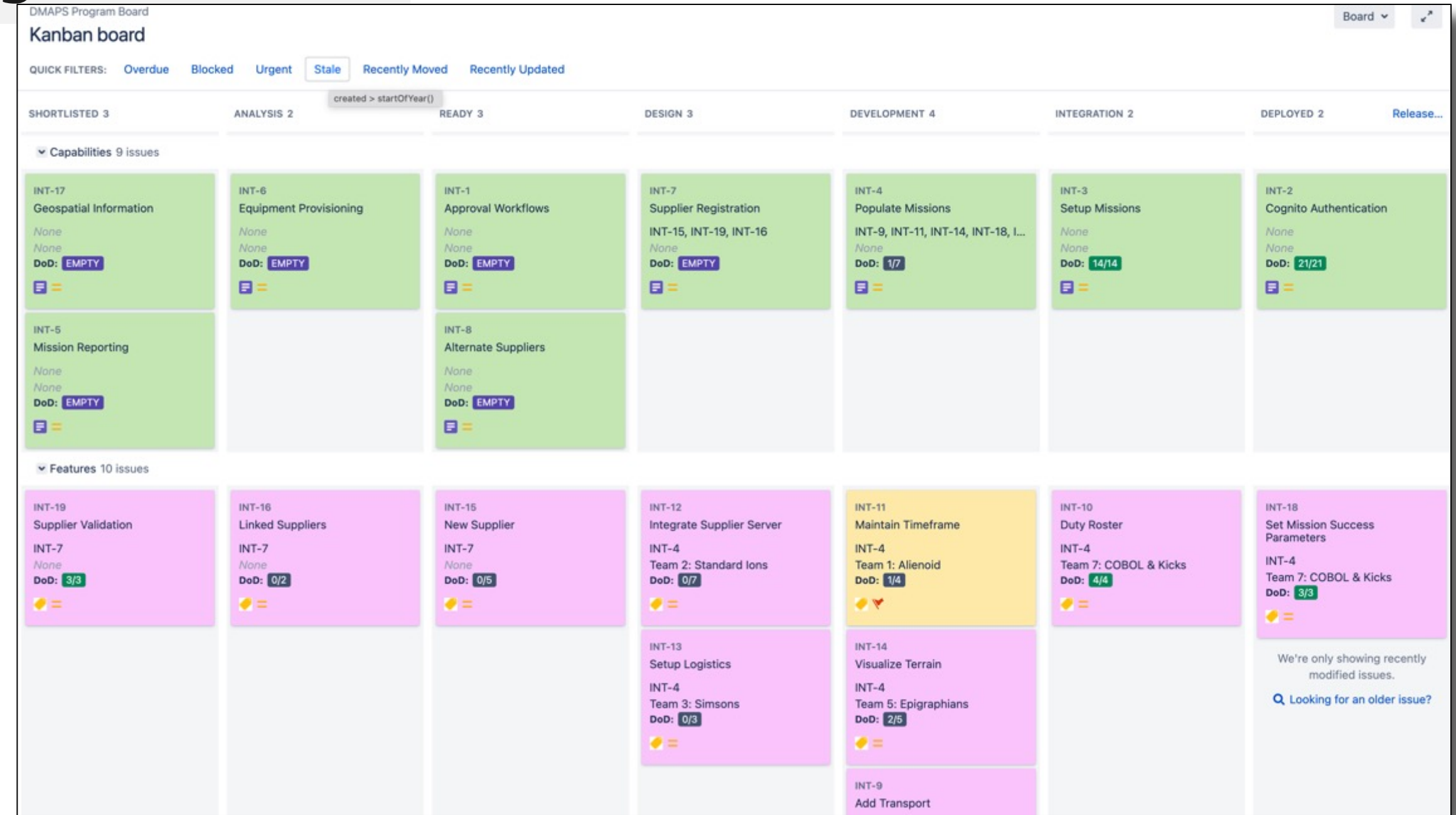
Program Board



3

Improving Predictability for Critical Milestones via Continuous Reforecasting

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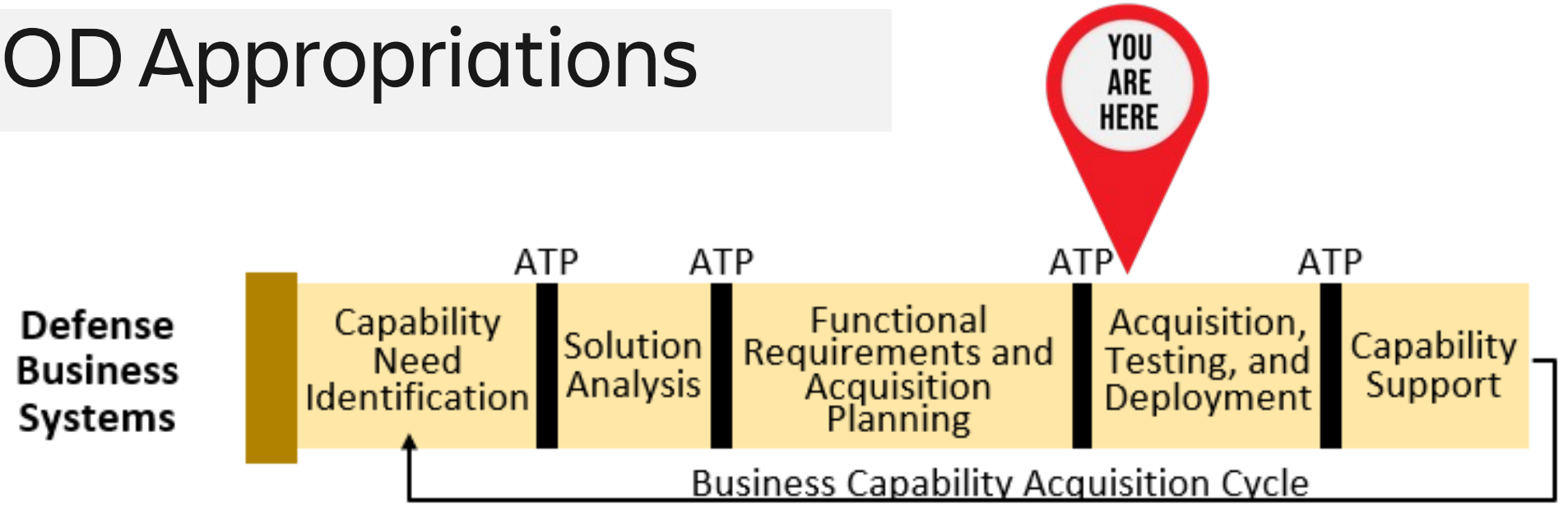
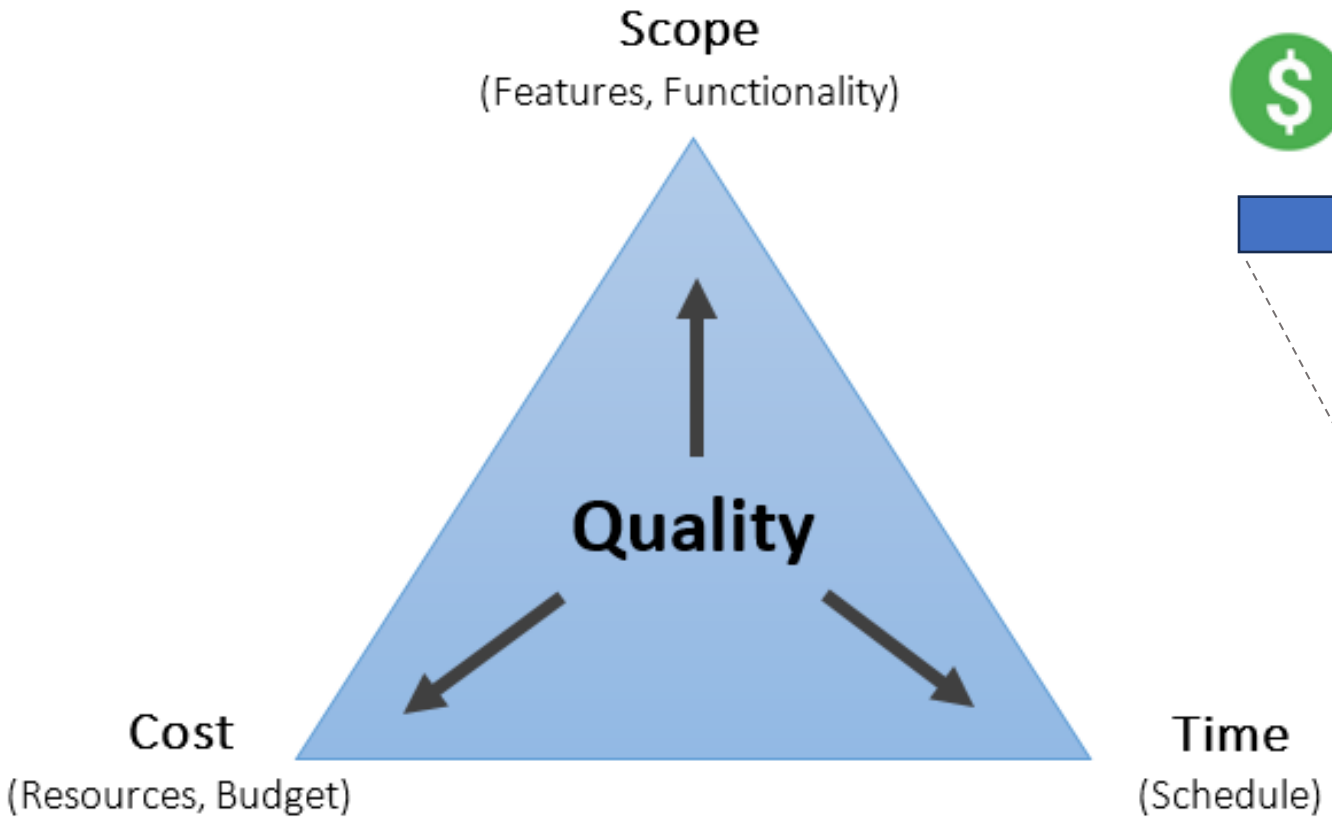
DOD Appropriations

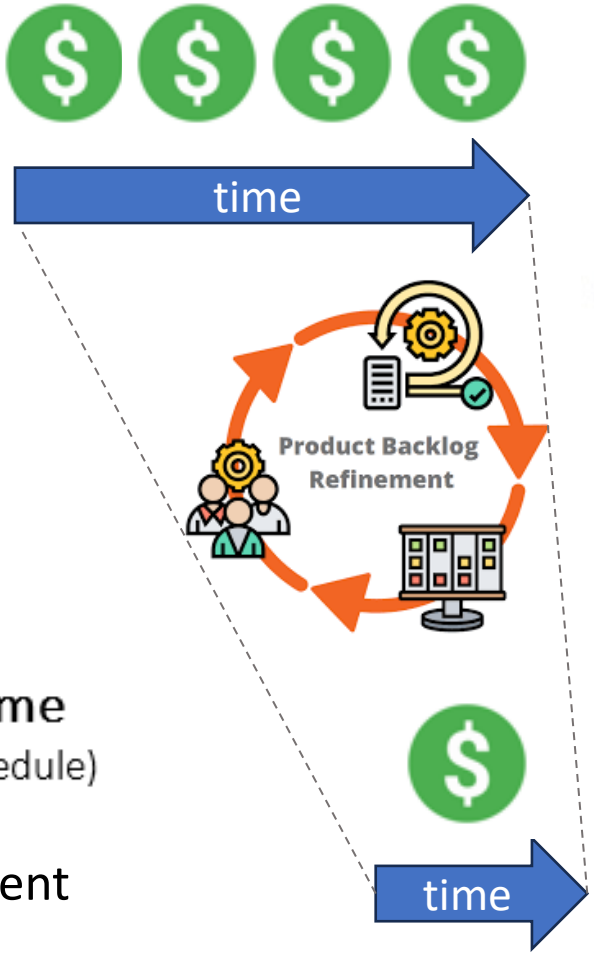


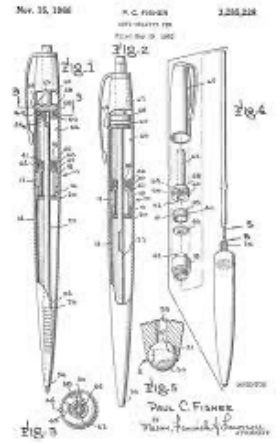
Reality Check: as a PM or technologist, by the time you come on board, you likely already have a budget, an objective, and a deadline.

- "Get off the mainframe on to a modern procurement system by April 2029, budget of $50M"
- "Stand up a comprehensive online training environment for the Department by 2028, budget of $40M"

Beating the Iron Triangle







"Get off the mainframe on to a modern procurement system by April 2029 with a budget of $50M"

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Continuous Reforecasting Process

1. Capture Scope for Milestone in High Level Capabilities
2. Estimate Number of User Stories for Each Capability
3. Total the Number of Stories to Be Completed
4. Compute Likelihood of Completion via Monte Carlo
5. Update Estimates Regularly Based on Actual Progress
6. Get Smarter By Tracking “Dark Matter”
    1. Expansion Rate: Uncovering Details Previously Unaccounted For
    2. Consolidation Rate: Finding Simpler Solutions or Deferring Extras
    3. Completion Rate: Delivering User Stories

Affinity Estimation

Capability1
XL

500 User Stories

Capability2
Large

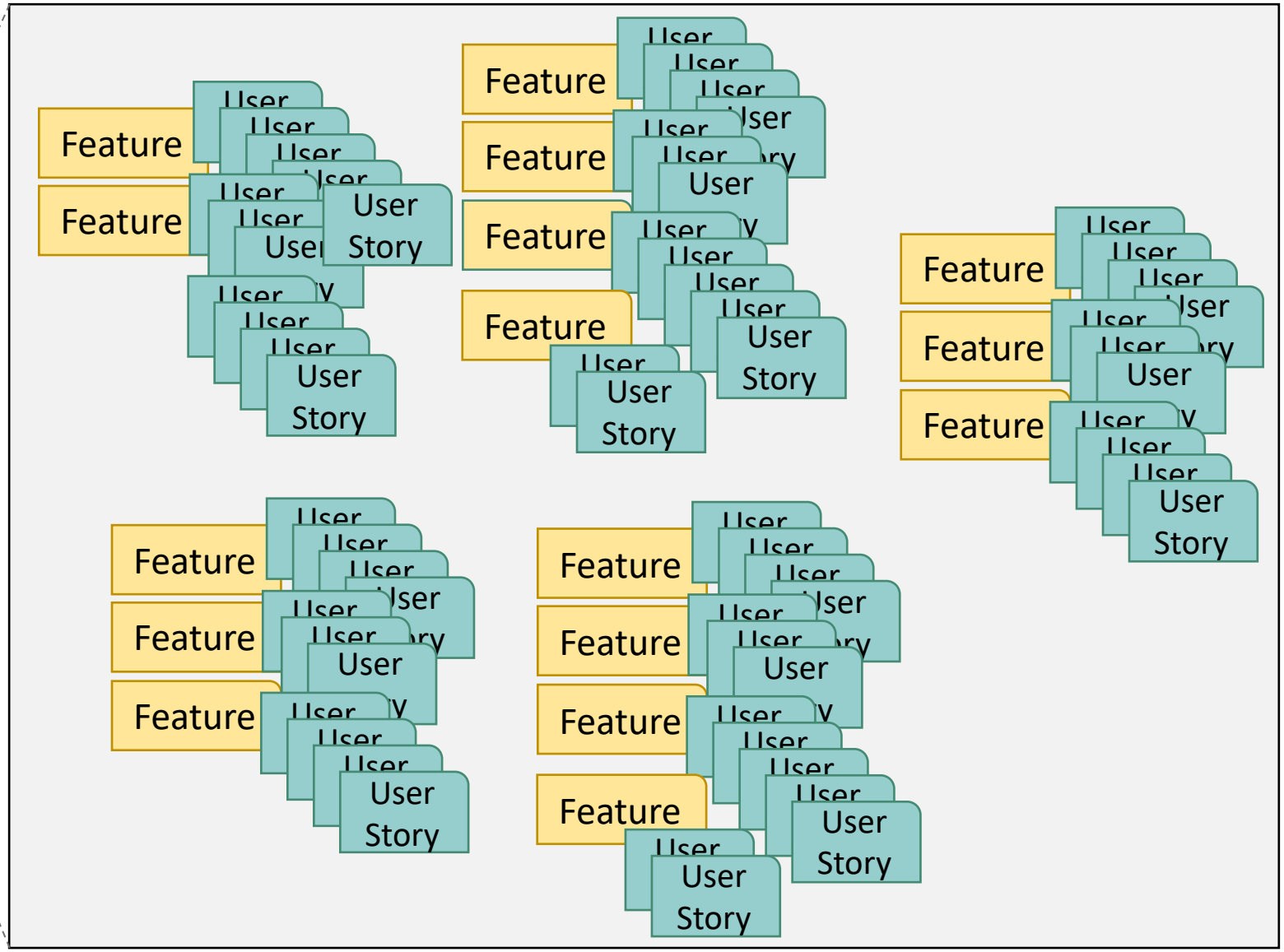
200 User Stories

Capability3
Medium

80 User Stories

Capability4
Small

25 User Stories



Estimating Stories with JXL

JXL Computes Sum: 1,445 Stories

Sheets

INT sheet

Type	Issue key	Summary	T-Shirt Size	Estimated Number of Stories	Actual Number of Child Stories
Project IntegrationBoard 9 issues 21 total			4	1,445	2
	INT-17	Geospatial Information	Large	200	0
	INT-8	Alternate Suppliers	Medium	80	0
	INT-7	Supplier Registration	Medium	80	0
	INT-19	Supplier Validation			1
	INT-21	A valuable story, inde...			0
	INT-16	Linked Suppliers			0
	INT-15	New Supplier			0
	INT-6	Equipment Provisioning	Small	25	0
	INT-5	Mission Reporting	Large	200	0
	INT-4	Populate Missions	Medium	80	0
	INT-3	Setup Missions	Medium	80	0
	INT-2	Cognito Authentication	Large	200	0
	INT-1	Approval Workflows	Extra Large	500	0

Tracking Dark Matter

	Estimated Total	ADDED / REMOVED	TOTAL GROWTH	AVG GROWTH	Actual Completed	Total Completed	Percent Completed
11/1/23	1445	50	50	50	10	10	1%
12/1/23	1495	10	60	30	22	32	2%
1/1/24	1550	80	140	47	18	50	3%
2/1/24	2300	1000	1140	285	16	66	3%
3/1/24	2100	600	1740	348	33	99	5%
4/1/24	2600	-500	1240	207	30	129	5%
5/1/24	2450	-100	1140	163	35	164	7%

Our forecasts get increasingly accurate thanks to the law of large numbers...

1. Over time, rate of change tends to stabilize

2. Over time, average throughput tends to stabilize

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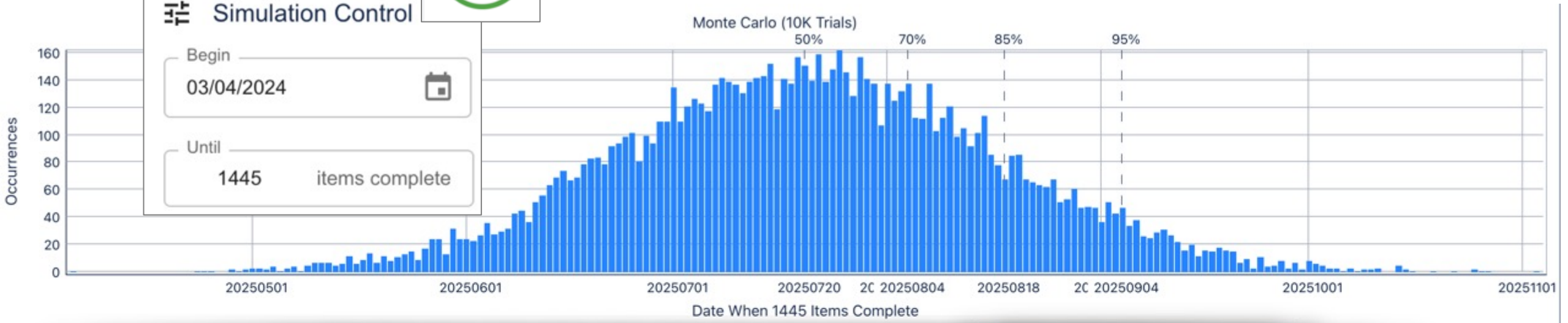
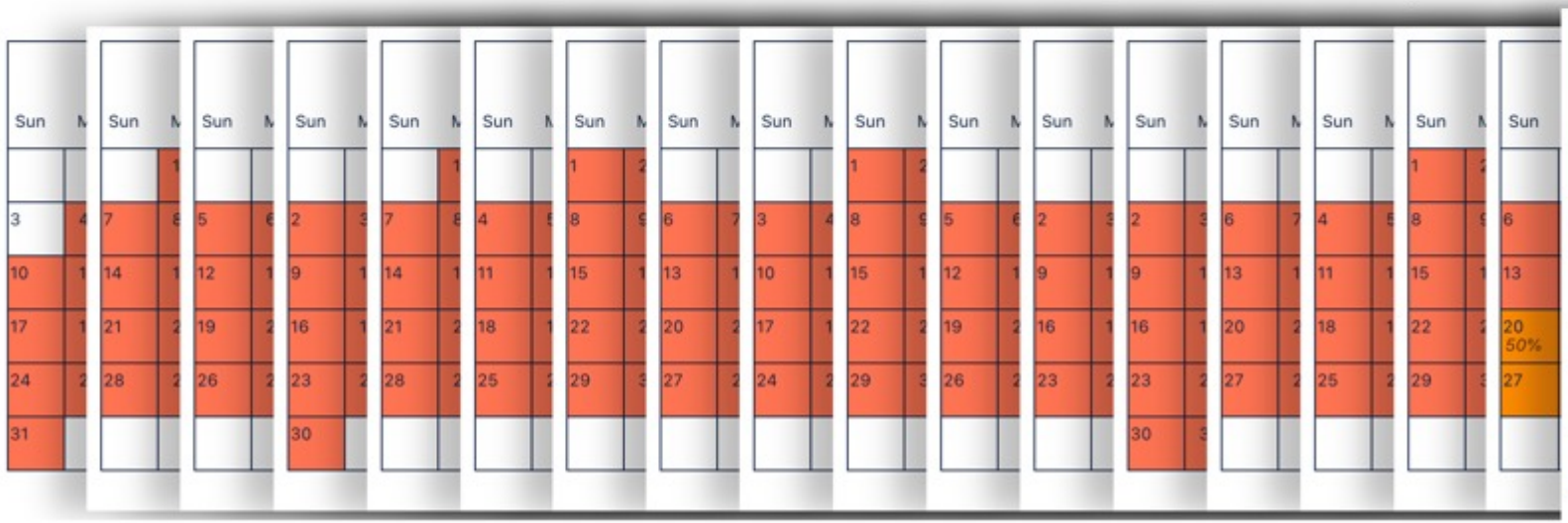
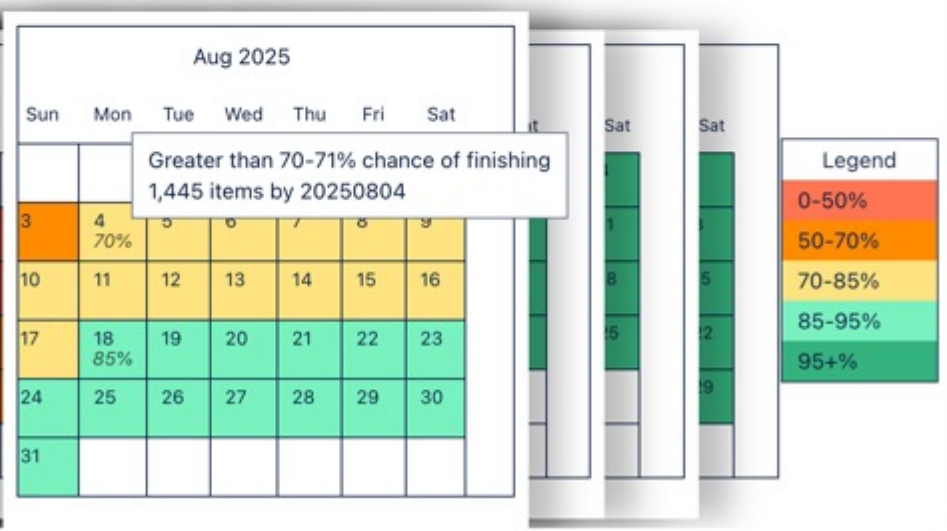
Computing Likelihood of Meeting Deadline







Examples we Reviewed Today

No	Example	Jira Features and Plugins
1	Balancing Flexibility with Governance in your Workflows	Workflow design, Standard Transitions, Global Transitions, Validators & Post Functions, Transition Screens, **JSU Plugin**, **Color Cards Plugin**
2	Program Boards for Coordinating Teams of Teams	Extra Issue Type Customization, Advanced Roadmaps, Custom Fields, Dependency Links, **Checklist for Jira Enterprise Plugin**, **Script Runner Plugin**
3	Improving Predictability Critical Milestones via Continuous Reforecasting	Extra Issue Type Customization, Advanced Roadmaps, Custom Fields, Dependency Links, **JXL Plugin**, **Actionable Agile Plugin**

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Plugins Featured Today

- ActionableAgile Analytics: Kanban / Agile Metrics, Forecasts
- Checklist for Jira | Enterprise
- **Color Cards** for Jira
- **JSU** Automation Suite for Jira Workflows
- **JXL** - Sheets Hierarchy Structure Sum-up
- **ScriptRunner** for Jira

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