

The Improvement Backlog

Claude Rémillard
InCycle Software

So, you are managing a
software development
organization?

Agile adoption

New tools and
practices

Continuous delivery

Application lifecycle management



TFS Work Items

Requirements / Bugs

Tasks

Tests

Validate Layering

Unit tests

Code Coverage

Code Analysis

Code Metrics

Architect

Layer Model

UML Models

Code Explorers

Dev/Tester

Dev

Check-in

Build

Source
Control



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Check-in

Build

Auto UI Tests

Web Tests

Source
Control

Dev test

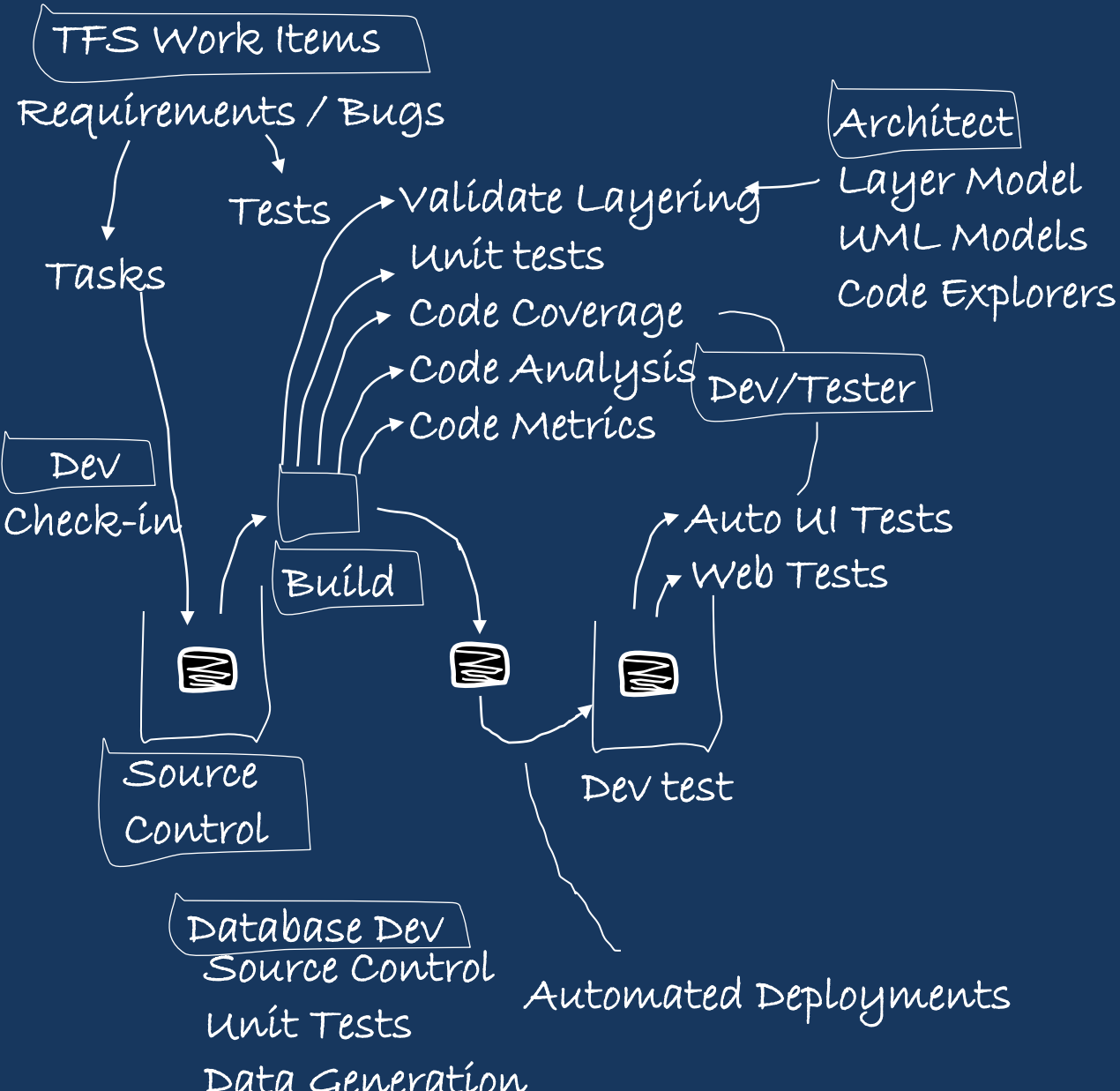
Database Dev

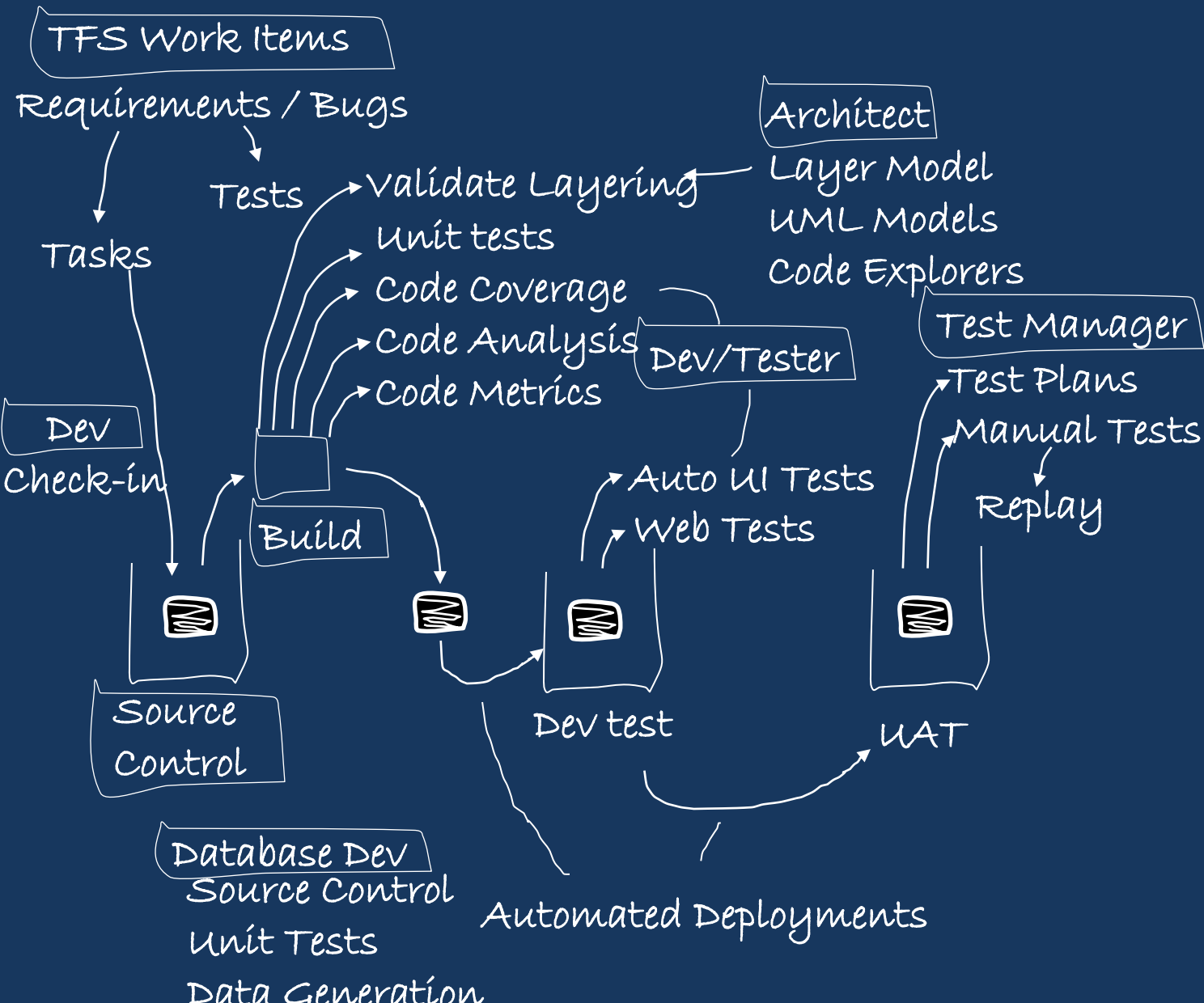
Source Control

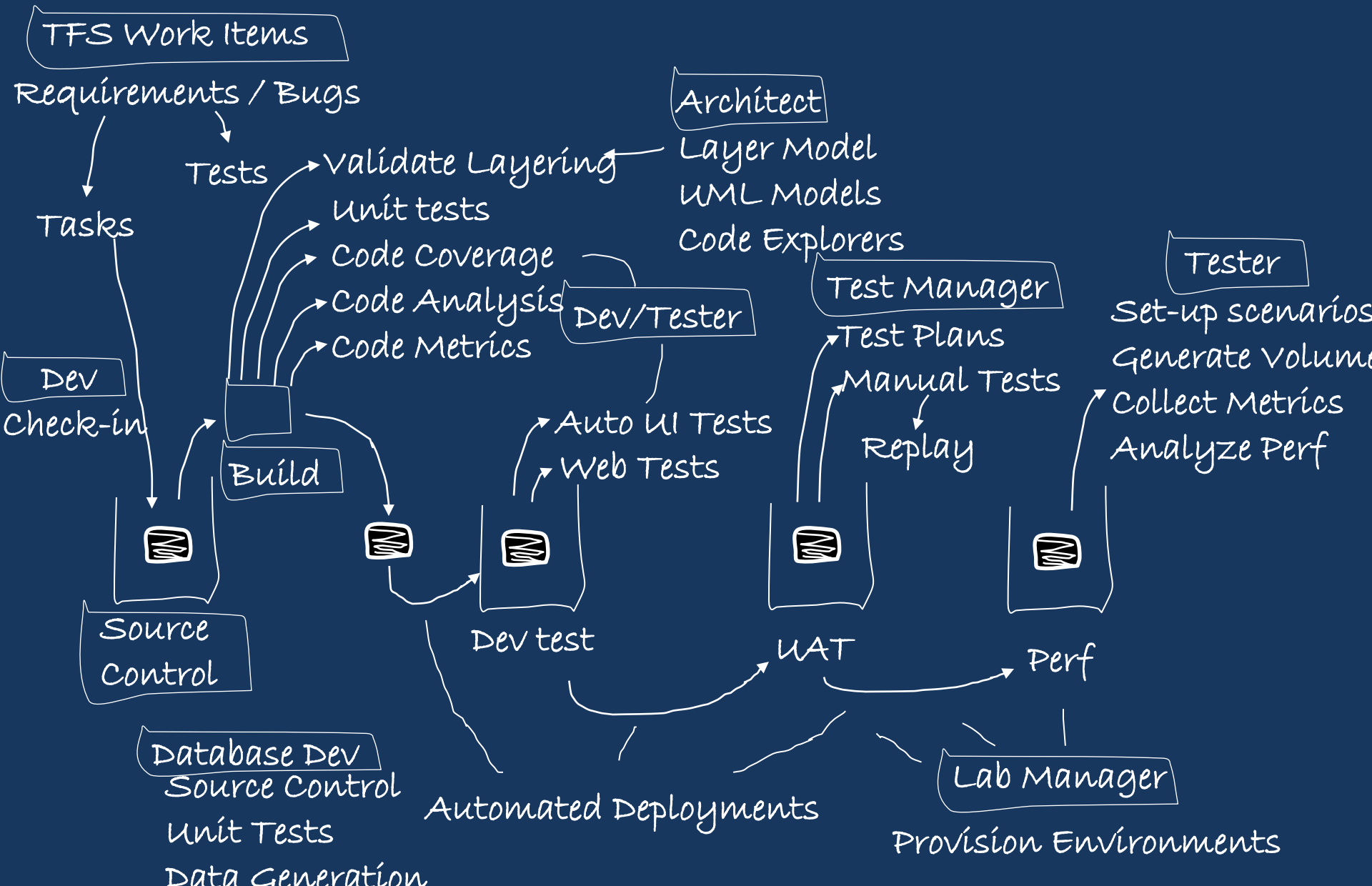
Unit Tests

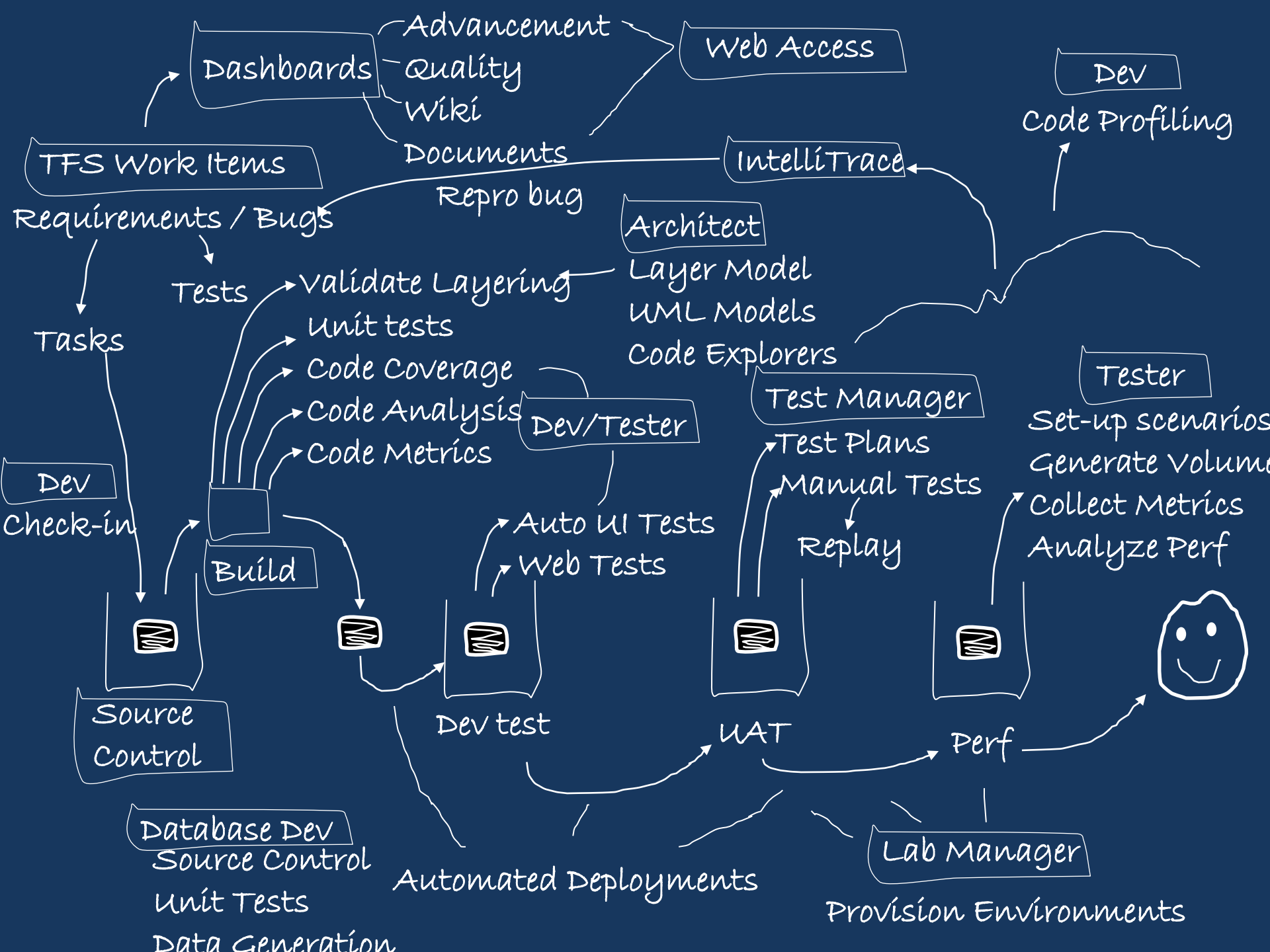
Data Generation

Automated Deployments









[illegible]

How do you eat an elephant?



Source: <http://seangallo.com/2011/02/22/how-to-eat-an-elephant/>

Can I think of
a process that
I could use?



Scrum !!!



BluePrint is an agile-based
TFS template
to manage improvement
projects!

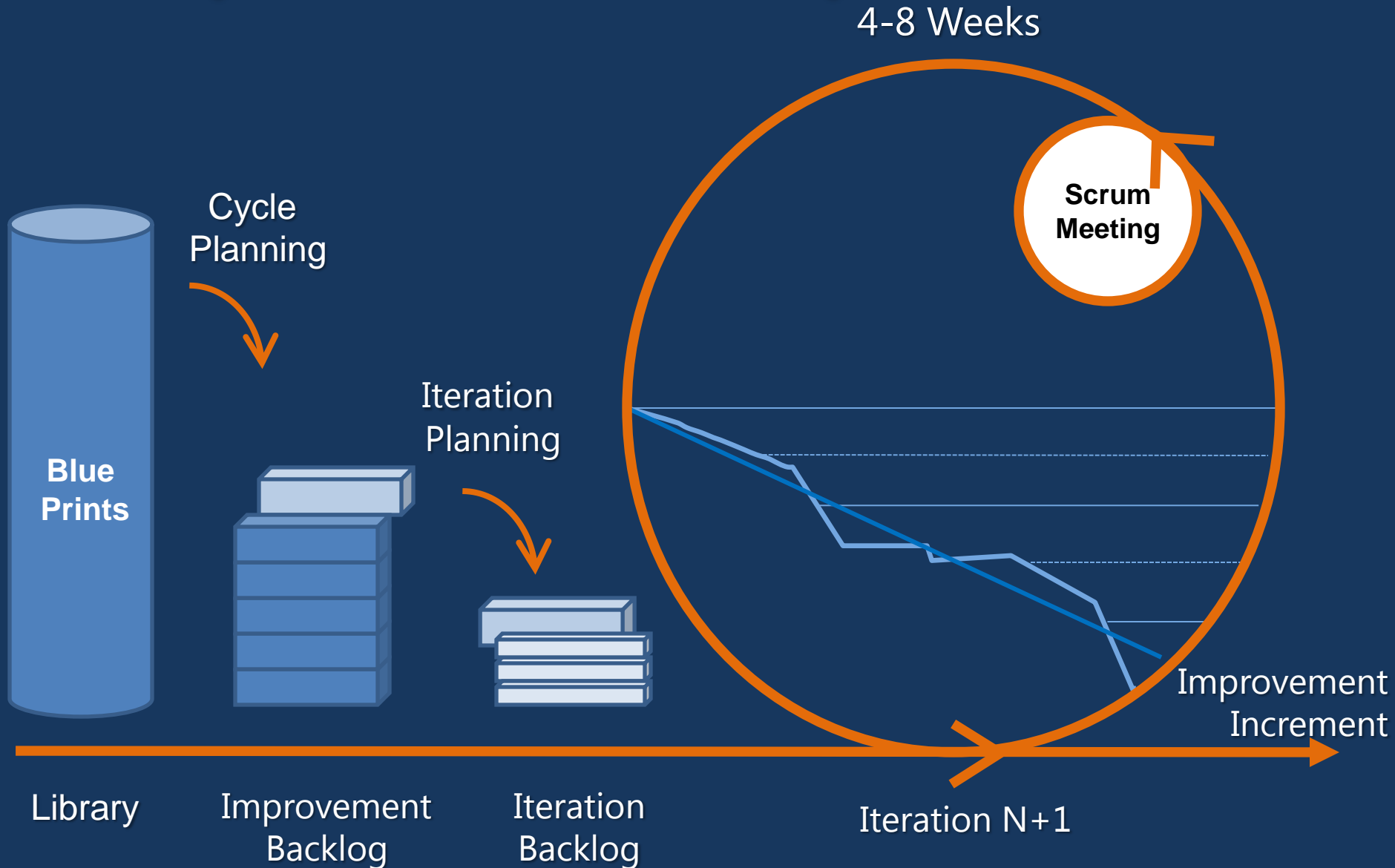
The logo consists of the words "INCYCLE" and "BLUEPRINT" in a white, sans-serif font, stacked vertically. They are centered within a rectangular area that has a light blue grid pattern, which is itself set against the dark blue background of the slide.

INCYCLE
BLUEPRINT

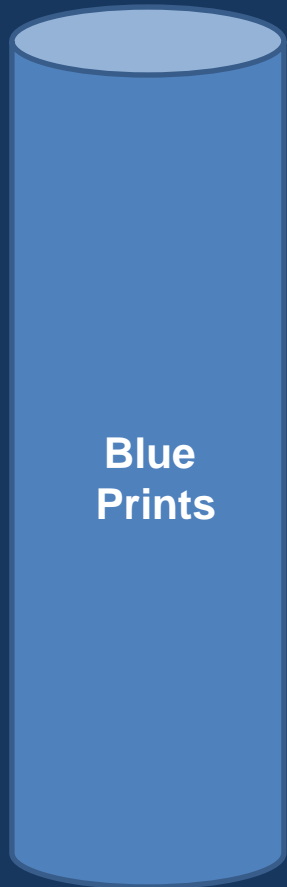
A yellow, rectangular sticker with a thin black border, tilted at an angle. It contains the word "FREE" in a bold, black, sans-serif font.

FREE

Adapted to ALM improvement



BluePrint Library



implement concurrent
development

automate smoke
test

use unit tests

adopt Scrum

automate releases

implement continuous
integration

Improvement Items

```
graph TD; A[Improvement Items] --> B[Implementable (fully)]; A --> C[In one iteration]; B --> D[Immediate improvement]; C --> E[Demonstrable in practice];
```

Implementable
(fully)

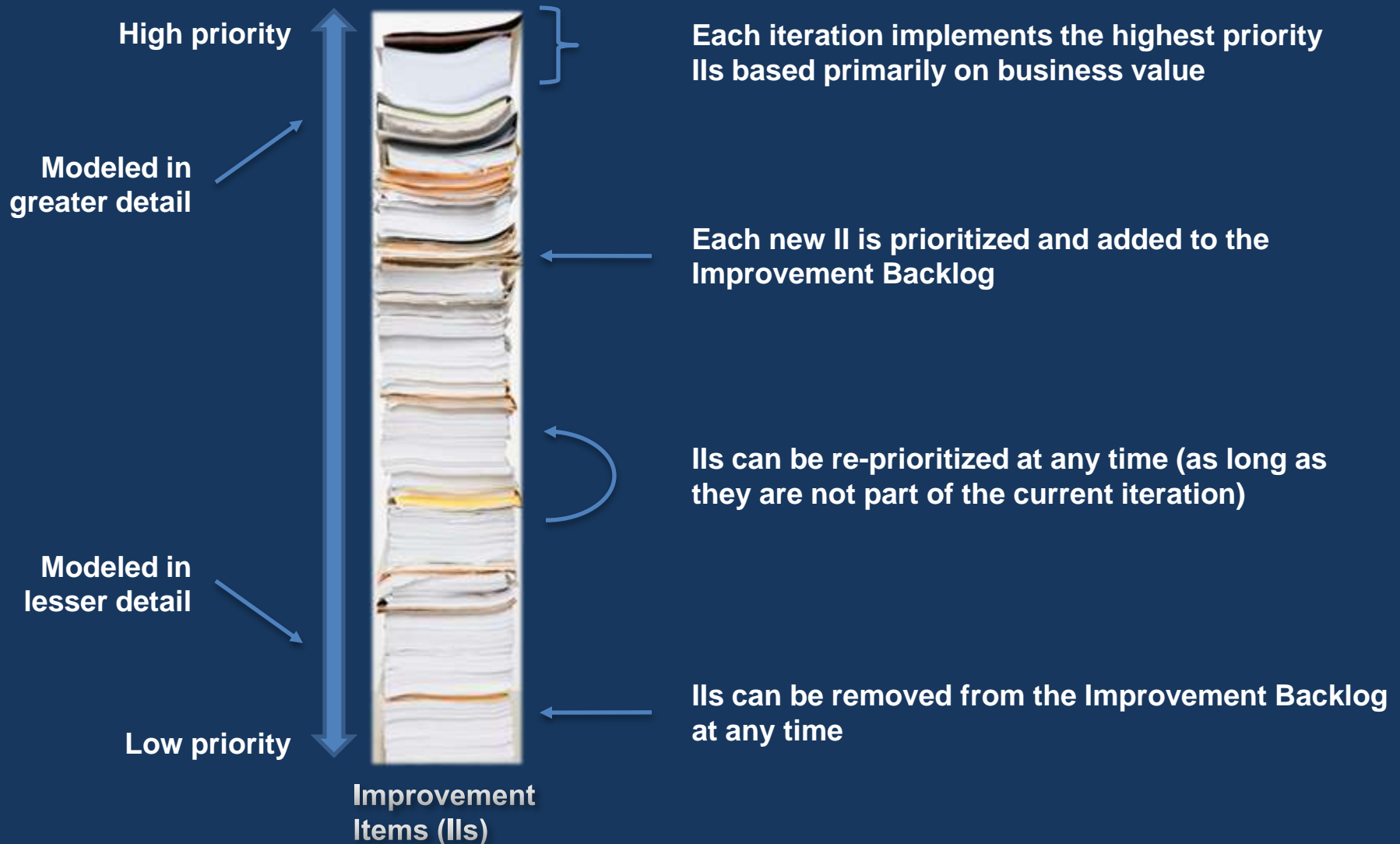
Immediate
improvement

In one iteration

Demonstrable
in practice

So, how do I manage my
improvement project?

Create an improvement backlog



Practice Assessment

I M P A C T	High	<ul style="list-style-type: none"> UI Design and Prototyping UI Implementation Quality Metrics Release Management Build Management Deployment 	<ul style="list-style-type: none"> Architecture Framework Code Writing Code Analysis 	<ul style="list-style-type: none"> Environment Management 	
		Urgent	Improve	Enhance	Maintain
	Medium	<ul style="list-style-type: none"> Change Management Compliance Management 	<ul style="list-style-type: none"> Analysis & Design Elicitation UX Research Version Control Repository Customer Support Project Initiation Stakeholder Management 	<ul style="list-style-type: none"> Code Reuse Designed for Operations Database Testing 	
		Improve	Improve	Enhance	Maintain
	Low	<ul style="list-style-type: none"> Database Modeling IT Governance Maturity Application Portfolio Management 	<ul style="list-style-type: none"> End-User Documentation Database Development Project Planning Project Close 	<ul style="list-style-type: none"> Code Reviews Collaborative Development Database Change Management Operations Database Deployment Project Monitoring and Control Risk Management Test Resource Management Test Types 	<ul style="list-style-type: none"> Requirements Analysis Requirements Management Traceability Test Planning Test Management
		Enhance	Enhance	Maintain	Maintain
		Basic	Standard	Advanced	Dynamic
		M A T U R I T Y			

Set the canvas



ALM platform
"toolmap"

Org. structure

Assemble Team

Agile vs. Scrum vs. Kanban

Roles in alm improvement

Scrum master

Team members

Team sponsor

Running the iteration

Breakdown tasks

Self-assign tasks

Scrum meeting rhythm

Scheduling vs. end of iterations

End of iteration

Demonstrate practice in action

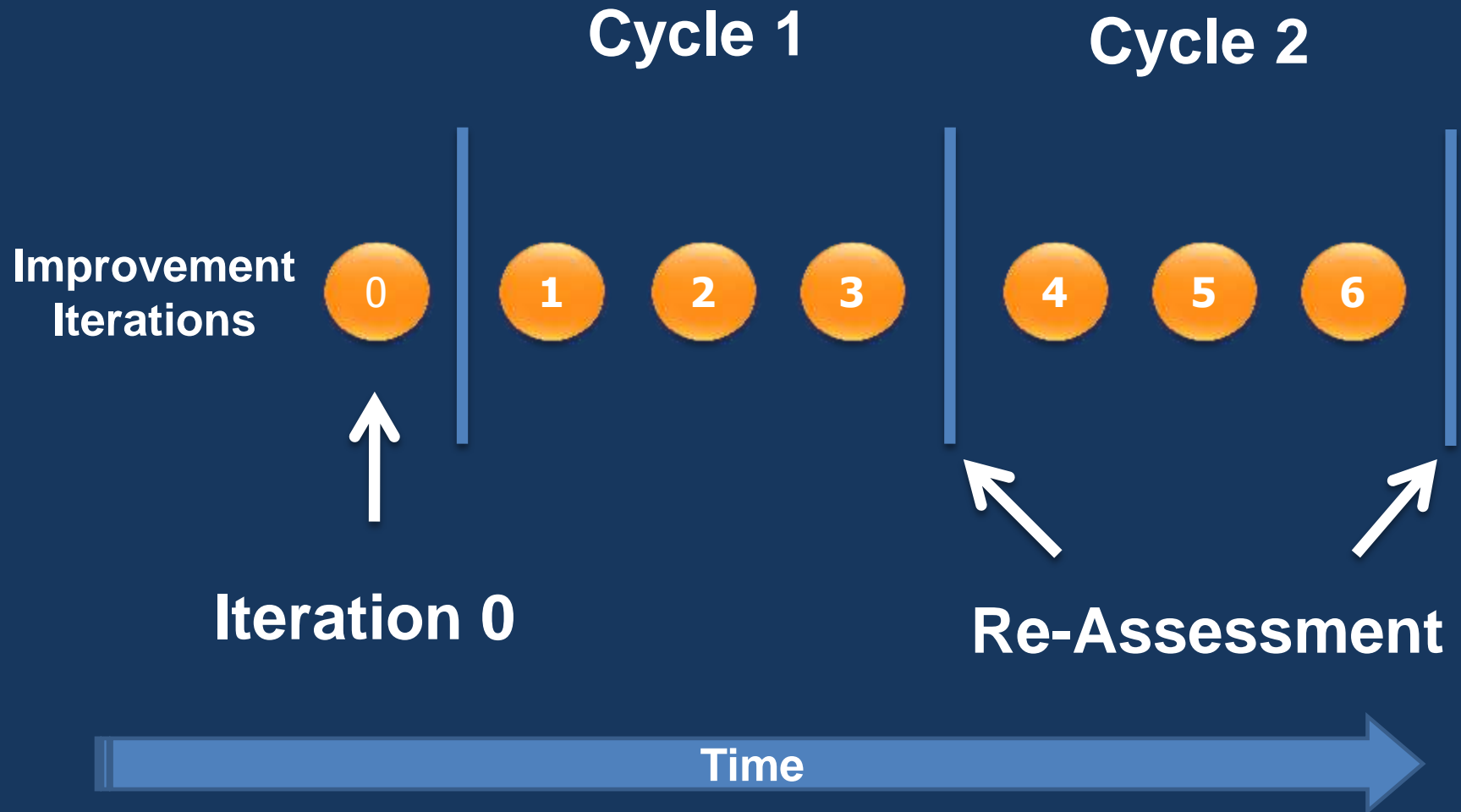
Retrospective

Visibility drives commitment



Team sponsor learns agile!

Cycle plan



End of cycle

Teams advancement

Metrics

Assessment poker



Small Agile Steps. Big ALM Impact.

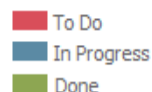
Iteration Burndown



Team Report

Progress by Team

Helps you track how far each team has progressed in implementing Improvement Initiatives. Shows each initiative, the relevant Practice, and the status of the various tasks related to the initiative (broken out by the number of tasks To Do, In Progress, and Done).

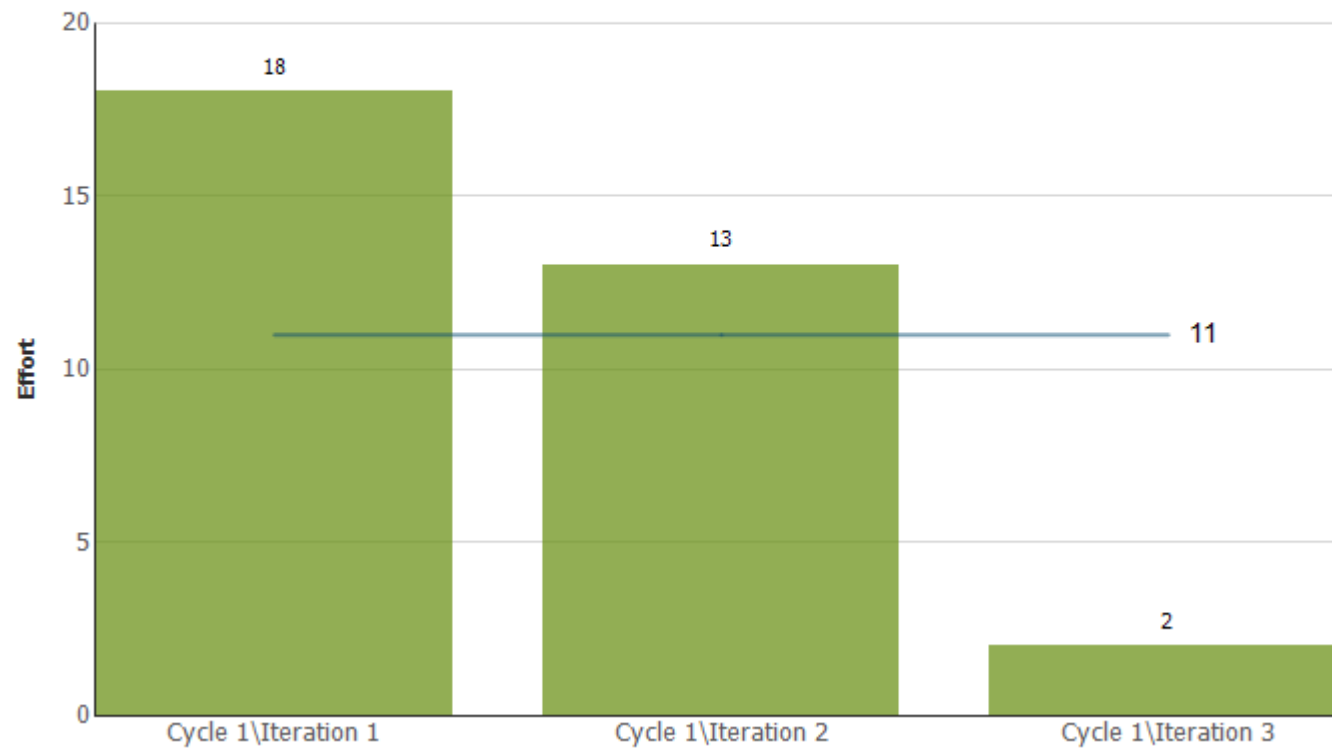


Team	Practice	Improvement Item	State	Tasks Progress
All	ALM Platform	TFS Installation and Configuration	Done	<div><div>3</div></div>
	Governance	Implement Compliance Framework	Done	<div><div>4</div></div>
Business Intelligence	Software Configuration Management	Implement Source Control with TFS - BI	Committed	<div><div>4</div></div>
Portals	Code Quality and Development	Implement Code Analysis - Portals	Done	<div><div>2</div></div>
	Project Management	Implement Agile Work Management - Portal	Committed	<div><div>3</div><div>2</div></div>
	Software Configuration Management	Implement Continuous Integration - Portals	Committed	<div><div>3</div><div>1</div></div>
	Software Configuration Management	Implement Source Control with TFS - Portals	Done	<div><div>4</div></div>
Project Alpha	Code Quality and Development	Implement Code Analysis - Alpha	Committed	<div><div>1</div><div>1</div></div>
	Project Management	Implement Agile Work Management - Alpha	Done	<div><div>5</div></div>
	Software Configuration Management	Implement Source Control with TFS - Alpha	Done	<div><div>4</div></div>

Velocity

Velocity

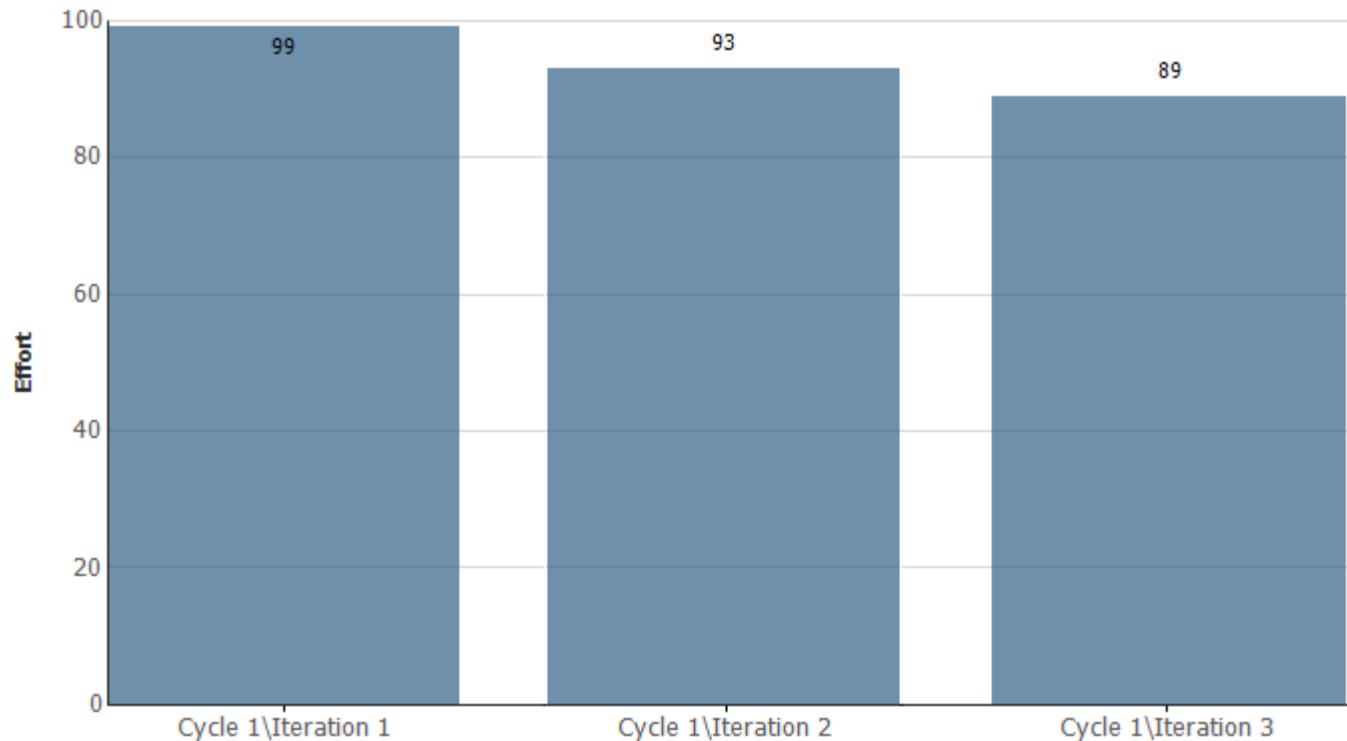
Indicates the amount of effort the team is completing in each Iteration.



Improvement Burndown

Improvement Burndown

Indicates how quickly the team is completing work and delivering Improvement Items. Its primary use is for planning when to schedule an Improvement Cycle and to track the team's progress towards delivering on its goals.



Benefits

Create visibility and commitment

Ready-to-use tool and items

Dogfooding!

Improves software development

Grics – a customer success story

Initiatives Backlog - Sprint 3 [Results] - Microsoft Visual Studio

File Edit View Build Debug Team Data Tools Architecture Test Analyze Window Help

New Work Item timer

Initiatives Backlog - Sprint 3 [Results]

Save Results Refresh Open in Microsoft Office Edit Query Column Options

Query Results: 86 items found (15 top level, 71 linked items, 1 currently selected). The query has been modified.

ID	Work Item...	Stack Rank	Title	Practice A...	Area Path
336	Improvem...	1	Suivi des équipes vers la transition agile	Governance	Grics\Globale
211	Improvem...	2	▸ Gestion de produit - Analyse du portefeuille de produit	Governance	Grics\Globale
240	Improvem...	5	Tests manuels dans un contexte agile - Tandem 1	Quality Ass...	Grics\Locale\Paie\Tandem 1
241	Improvem...	5	Tests manuels dans un contexte agile - Tandem 2	Quality Ass...	Grics\Locale\Tandem 2
205	Improvem...	10	▸ Gestion du travail agile - Paie 1 et 2	Governance	Grics\Locale\Paie\Paie 1 et 2
461	Improvem...	10	▸ Gestion du travail agile - Paie 3	Governance	Grics\Locale\Paie\Paie 3
465	Task	4	Initiation à la Préparation du Backlog de Produit		Grics\Locale\Paie\Paie 3
466	Task	5	Révision du Backlog de Produit		Grics\Locale\Paie\Paie 3
467	Task	5	Gestion des Sources et Branches		Grics\Locale\Paie\Paie 3
469	Task	6	SCRUM avec TFS 2010		Grics\Locale\Paie\Paie 3
470	Task	7	Préparation du Sprint et du Plan de Version		Grics\Locale\Paie\Paie 3
471	Task	8	Session de planification du sprint		Grics\Locale\Paie\Paie 3
472	Task	9	Évaluation de la gestion du meeting Scrum journalier		Grics\Locale\Paie\Paie 3
473	Task	10	Revue des indicateurs de progrès, de qualité et autres indicateurs de ges...		Grics\Locale\Paie\Paie 3
474	Task	11	Revue et rétrospective de sprint 1		Grics\Locale\Paie\Paie 3
475	Task	12	Revue des indicateurs de progrès, de qualité et autres indicateurs de ges...		Grics\Locale\Paie\Paie 3
476	Task	13	Revue et rétrospective de sprint 2		Grics\Locale\Paie\Paie 3
491	Improvem...	11	▸ Standardisation du lexique agile	Governance	Grics\Globale
206	Improvem...	12	▸ Arrimage ITIL/Agile - Gestion des incident	Governance	Grics\Globale
440	Improvem...	13	▸ Définition des responsabilités du directeur développement dans un context...	Governance	Grics\Globale
484	Improvem...	13	▸ Vendredi formatifs sur l'agile	Governance	Grics\Globale
238	Improvem...	15	Définition des standards d'assemblage, packaging et MEP	Deploye...	Grics\Globale
499	Improvem...	16	Identification de la stratégie de salle pour le support des activités agiles	Governance	Grics\Globale

Save Work Item Previous Next

Team Explorer

- tfs10.incyclesoftware.com\Sandbox
 - My Favorites
 - Grics
 - Work Items
 - My Queries
 - Team Queries
 - Workbook Queries
 - Active Bugs
 - Active Initiatives
 - Active Issues
 - Active Tasks
 - All Work Items
 - Import Initial Backlog
 - Initiatives Backlog
 - Initiatives Backlog - Sprint 3
 - Initiatives Backlog - Sprint 4
 - My Bugs
 - My Tasks
 - My Work Items
 - Resolved Bugs
- Documents
- Reports
- Builds
- Source Control

Solution E... Team Exp... Class View

"We're increasing our work on new initiatives by 50%, continuing our work on current initiatives."

"InCycle Blueprint was an invaluable tool in taming that complexity, and in keeping us on a straight course toward our goal."

Denis Bessette,
V.P. Development,
Société GRICS

Getting Started...

Online Assessment
www.almcatalyst.com



BluePrint Template & Whitepaper
www.incyclesoftware.com



Questions & Answers



www.incyclesoftware.com

