Agile Alliance®

ORLANDO FLORIDA AUGUST 7-11

AGILE2017

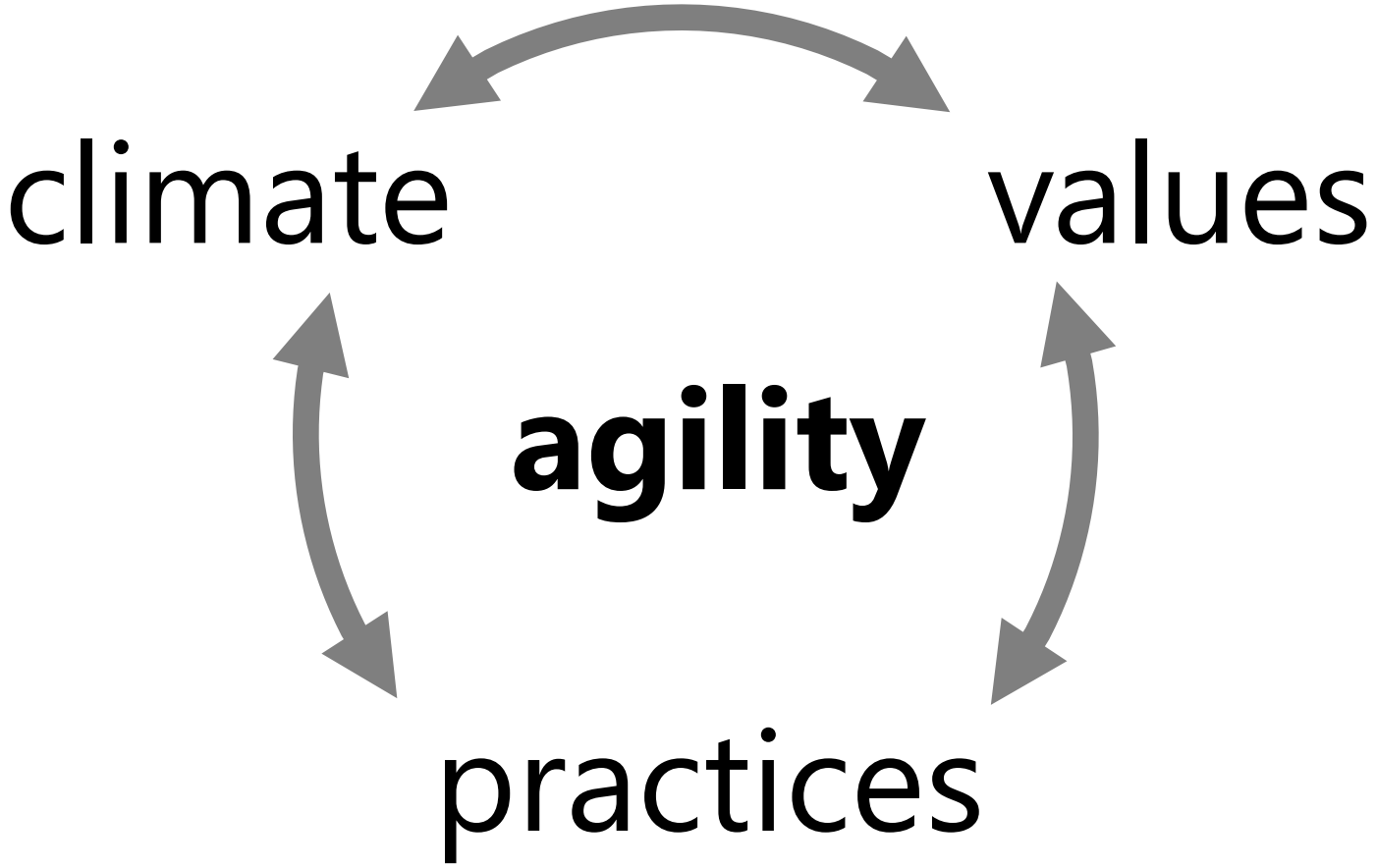
Agile Development Practices Explained

Hello!

I am Scott Densmore

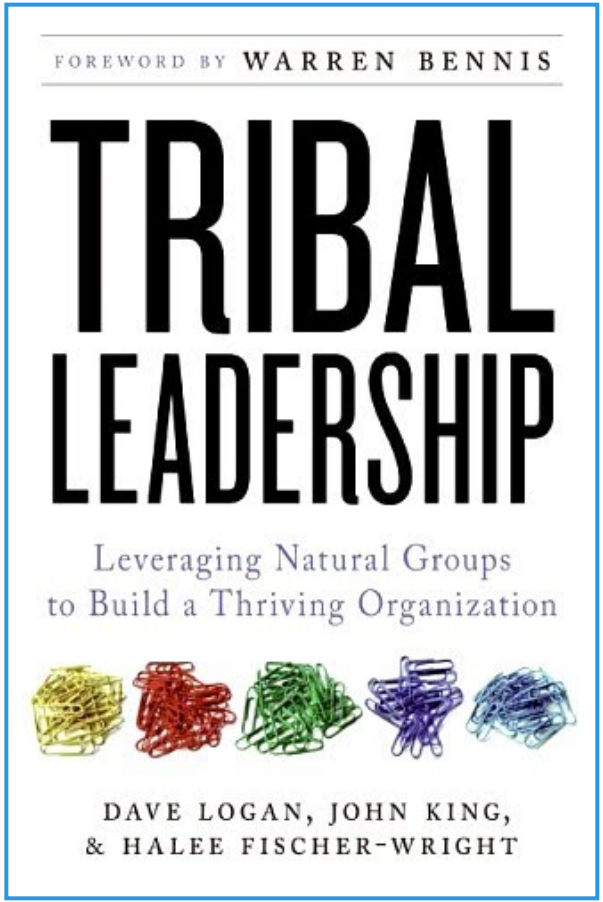
You can find me at @scottdensmore

Microsoft


climate
values
agility
practices

climate

Culture is a critical performance factor and this book describes how to assess and improve the culture.



STAGE 1

- Members are hostile
- Life is hopeless and unfair

STAGE 2

- Members are passively antagonistic, sarcastic, and resistant to new initiatives
- The boss or system is holding them back

STAGE 3

- Marked by knowledge hoarders who want to outwork/outthink their competitors on an individual basis
- They are lone warriors who not only want to win, but need to be the best and brightest
- Self-Perception is that they are doing all the work

STAGE 4

- Members are excited to work together for the benefit of the entire company
- Shared Values
- Members hold each other accountable

STAGE 5

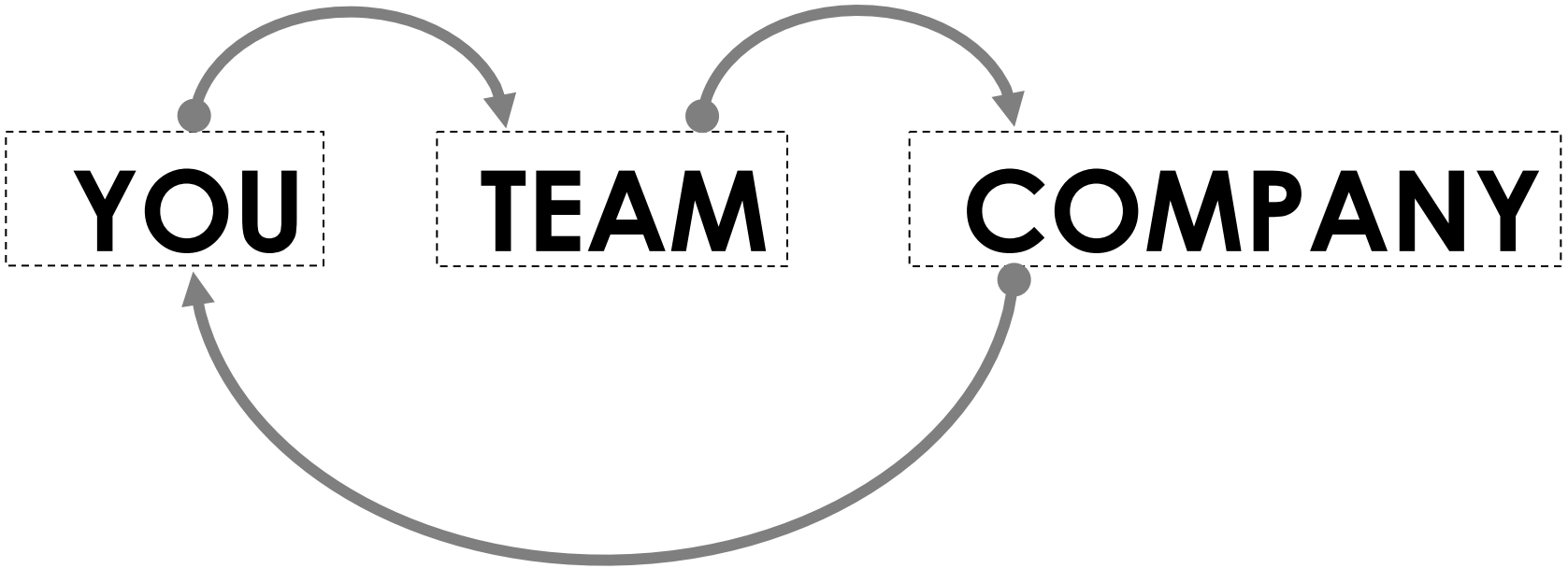
- Members have made substantial innovations
- Members seek to use their potential on a history making project

RESULTS

	Stage	Tribal Leadership
	1	2% or less
	2	25%
	3	48%
	4	23%
	5	2% or less

values

SHARED VALUES



MICROSOFT VALUES

- Integrity and Honesty
- Big Challenges
- Accountability
- Passion
- Open and Respectful
- Strive for Excellence

MY VALUES

- Feedback
- Transparency
- Accountability
- Consistency
- Minimalism

Values = Why

Practices = How

practices

Raising the Professional Bar

RUTHLESS PRIORITIZATION (PLANNING)

- Prioritized Backlog
- Constant Grooming

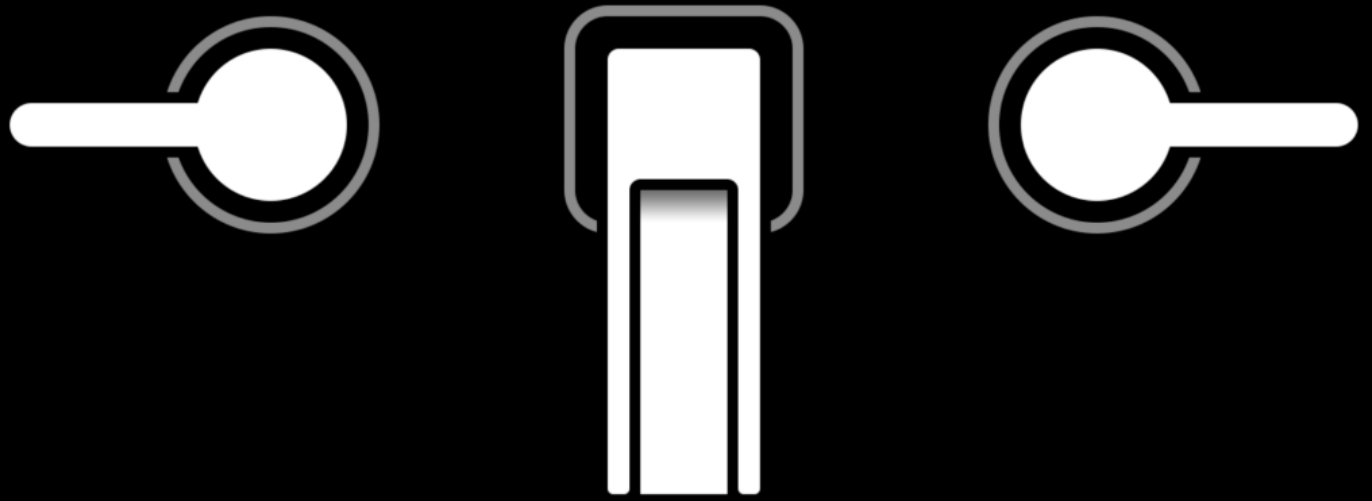
Being able to solve problems is nowhere near as important as being able to pick the right problem to solve.

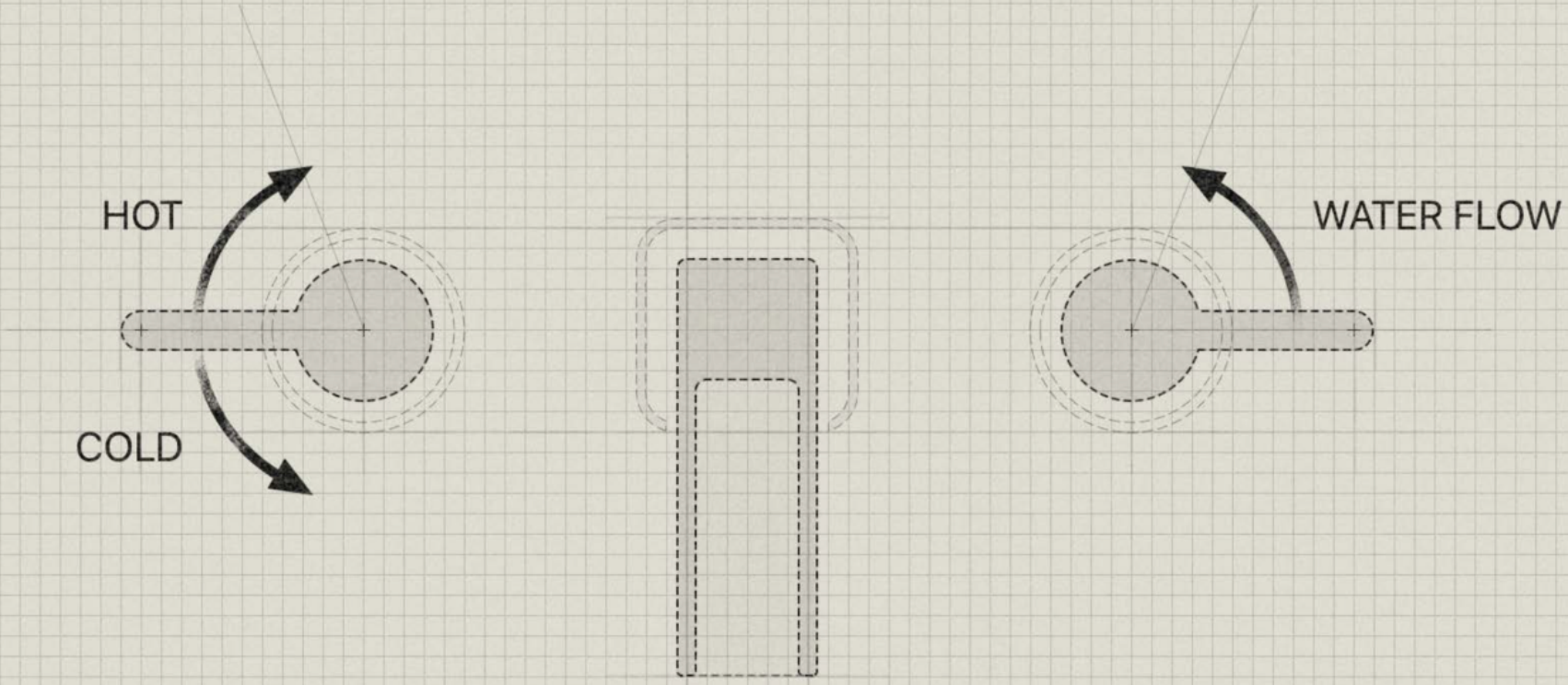
DESIGN
(UX / INTERACTION)

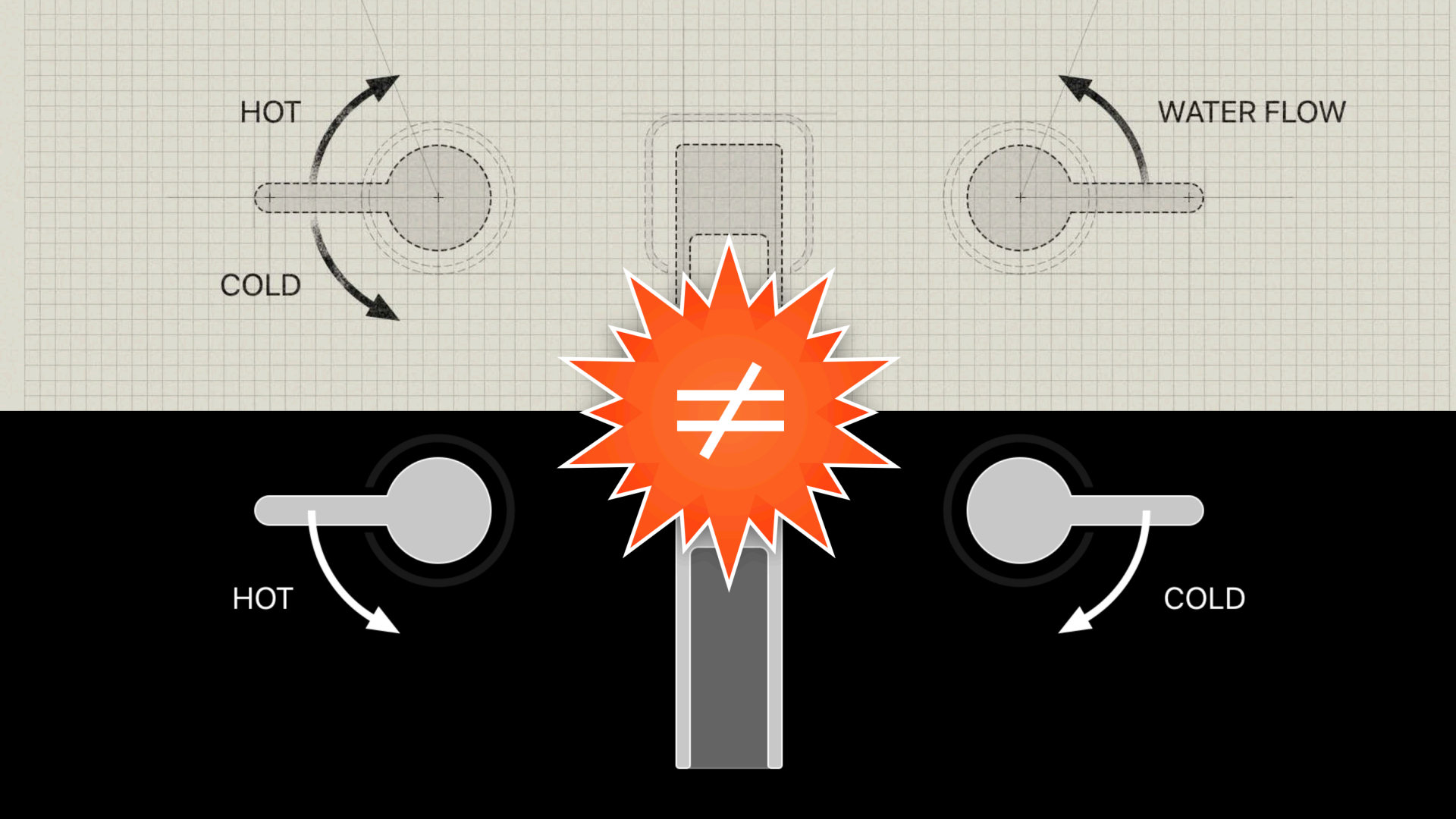
- Provides Cohesion
- Improves Usability
- Consistency

Hot

Cold




HOT
COLD
WATER FLOW


HOT
COLD
WATER FLOW
≠
HOT
COLD

USER STORIES

- Short
- Clear Goal
- Clear Exit Criteria

ESTIMATION
RELATIVE SIZING

- Humans are great at relative comparison
- Humans stink at absolute estimation
- Less temptation to do “1 point = x hours”

SPIKE

- Familiarize the team with new software
- Determine Work
- Time Boxed
- Clear Goal

BUGS

- Treat like User Stories
- Now
- Next
- Never

SPRINTS

- Focused
- Sustainable
- Planned
- Measured

Trello

Scott

Ready for Work

[Bug] - RHEL7 - zip application needs to be installed on the template and replicated to all nodes

2

[status.io] Update status.io automated job after status.io makes their API changes

[VM Import] Ensure there are no locally referenced resources (sound card, CD-ROM, etc.)

2

[VM Import] Sysprep

[VM Import] Change Password Common Code

1

Working

[QA Eng] Selenium - Network

1/2

[QA ET] Test disabling a VCenter to simulate the new BOM's management "cluster"

[QA ET] Setup flow end-to-end for managed backup

0/1

JT

[QA ET] The FTP server handling what we throw at it for VM import

4/10

[Couchbase Migration] Groups Part 5

[BUG] Account - Delete Account

Testing

[VM Import] Update Import UI

2 0/9

[VM Import] Windows: Ensure PSEXEC is not firewalled

DS

Add a card...

Complete

[SiteToSiteVPN] The platform checks that a site to site VPN endpoint is NOT in use before allowing a new configuration to use it

3 6/6

[Managed Backup] Add Managed Backup checkbox in the "edit storage" in server detail

1 12/12

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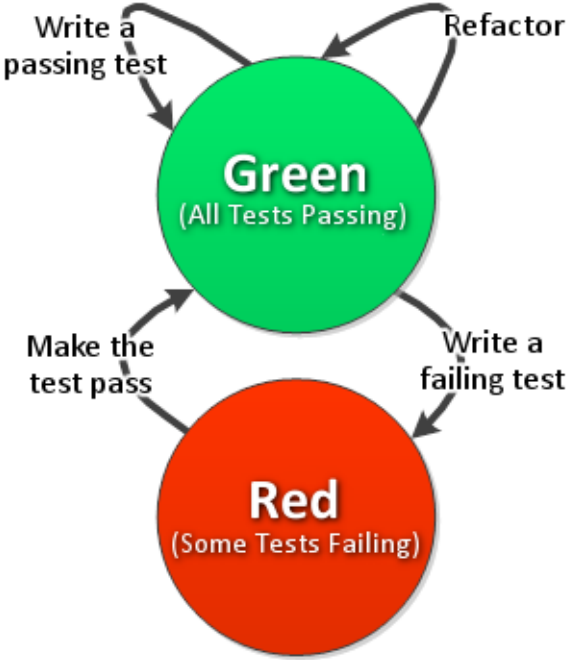
BUG - Unable to edit networks

[Octopus] Upgrade Octopus tentacles in PROD

[Octopus] Enable parallel deployments

TEST FIRST PROGRAMMING



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public void Adding21And21Equals42()
{
    Calculator calculator = Calculator();

    int answer = calculator.Add(21, 21);

    Assert.Equal(42, answer);
}
```

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[Fact]
public int Add(int lhs, int rhs)
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```

PROGRESSIVE DISCLOSURE

simple complex

80/20 RULE

80 % of value comes from
20 % of the features

Software-Practices-Agile-2017

Search in Presentation

Home Insert Design Transitions Animations Slide Show Review View

Share

Cut Copy Format Paste

Layout Reset Layout to Default Settings Section New Slide

Segoe UI 12

Picture Shapes Text Box Arrange Quick Styles

Shape Fill Shape Outline

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28

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29

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- 80 % of value comes from 20% of the features

31

DAILY STANDUP

- Focus around the work
- Help members finish tasks
- Hold each other accountable

32

CONTINUOUS INTEGRATION / DELIVERY

- Fast builds
- Easy Check-ins
- Real-time Code Reviews
- Easy Deployments
- Easy Rollback

Printer: HP ENVY 7640 series

Presets: Default Settings

Copies: 1 B & W Two-Sided

Pages: All

1 of 32

PDF Show Details Cancel Print

Animations Format Backgro...

Fill

Solid fill
Gradient fill
Picture or texture fill
Pattern fill
Hide Background Graphics

Color

Transparency 0%

A lot of time progressive disclosure comes down to the 80/20 rule

Apply to All Reset Background

Slide 30 of 32 English (United States)

Notes 100%

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Arrange Quick Styles Shape Fill Shape Outline

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Copies: 1 Black & White Two-Sided

Paper Size: US Letter 8.50 by 11.00 inches

PowerPoint

Slides: All (32 slides)
From: 1 to: 32
Selected slides
Custom Range:
Custom Shows

Layout: Slides

Orientation:

Output: Color

Scale to fit paper
Print hidden slides
Frame slides

Header/Footer...

? PDF Hide Details Cancel Print

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MEASURE

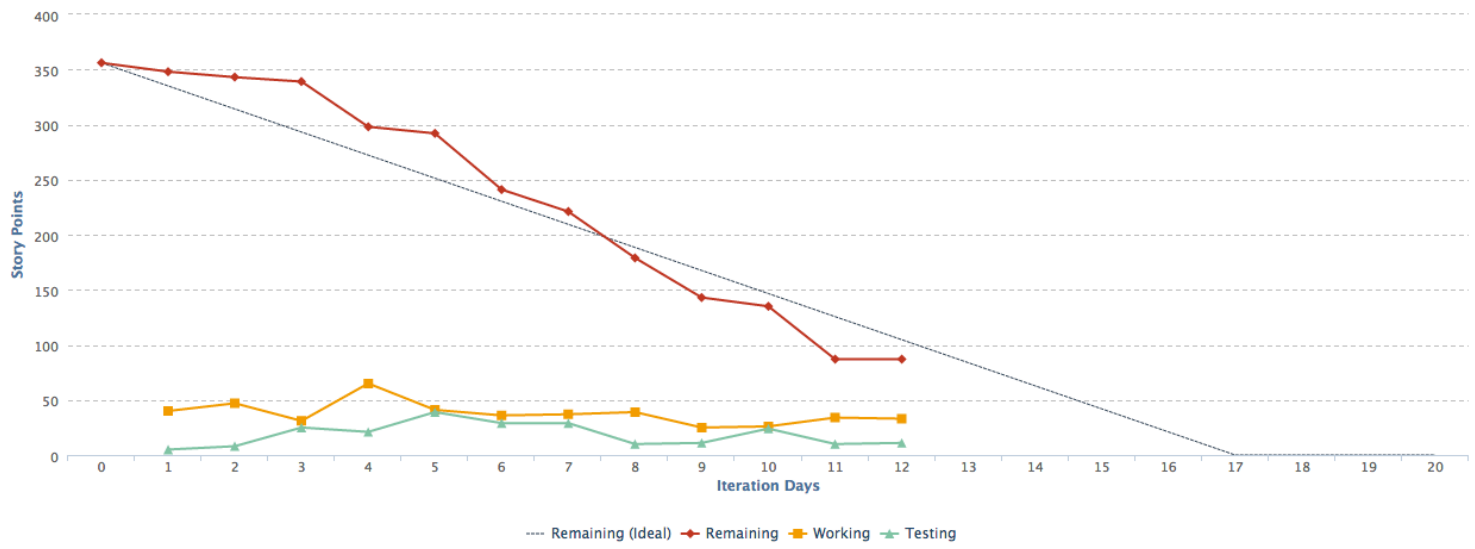
- Data focused
- Keep the team accountable
- Keep the team informed

January 6 - February 3, 2015

January 6 - February 3, 2015

Current as of 8:00 AM, January 22, 2015

Burndown Chart



January 6 - February 3, 2015

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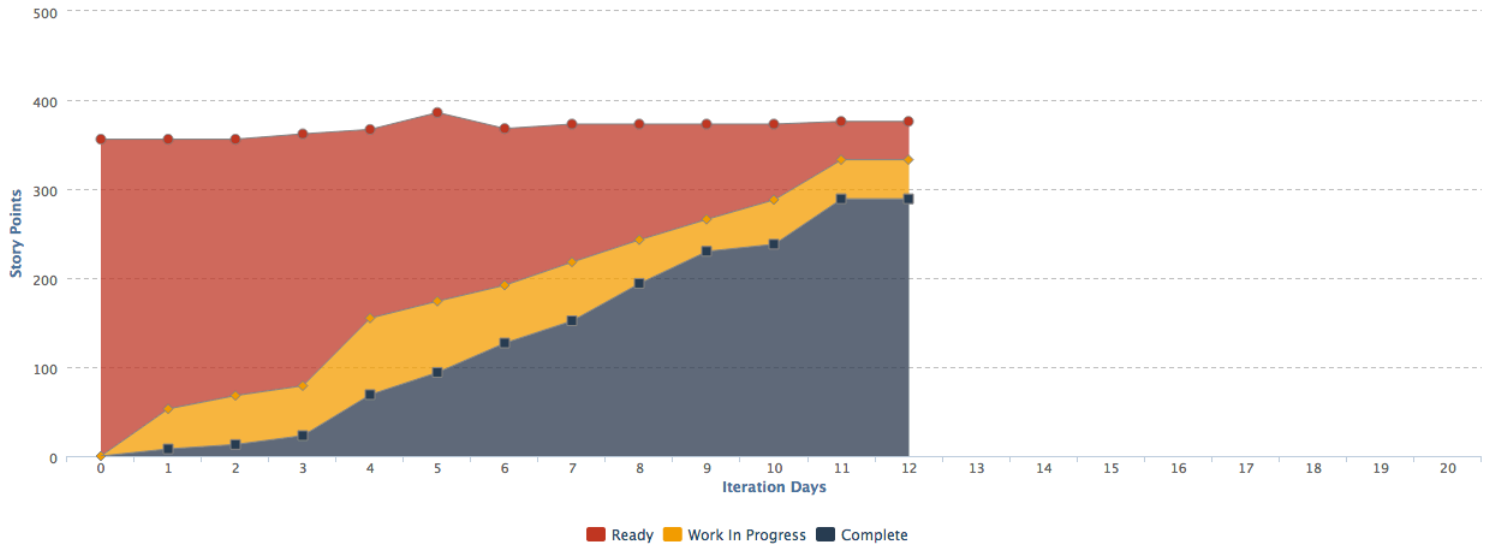
Cumulative Flow



Work assigned to Scott Densmore (6)

4 Feature 2 User Story

ID	State	Title
12811	Ready for...	HockeyApp EU Cookie Compliance for GA
12212	In Planning	[BCDR]Implement BCDR support for Crash service
11703	New	Integrate Cookie Consent API into HockeyApp Site
11700	New	Review & Process HockeyApp Cookie Inventory
12520	In Spec	Distribution data privacy requirements for GA
12032	Prioritized	Linux Services Onboard to Geneva Monitoring

Work

Backlog
Board
Task board
Queries

Open User Stori...

106

Work items

New Work Item

Enter title

Bug

Create

Core-Services

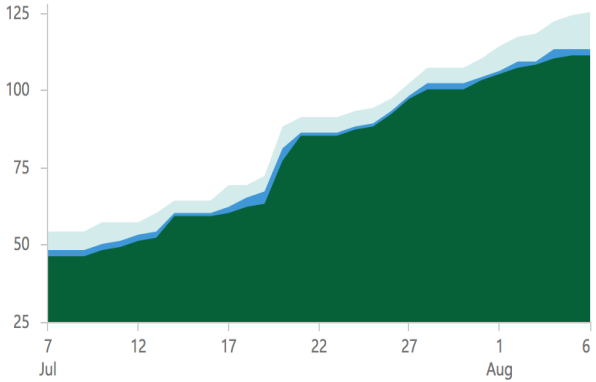
Sprint 16
July 31 - August 11

5 days remaining

16 work items not started

Core-Services Stories CFD

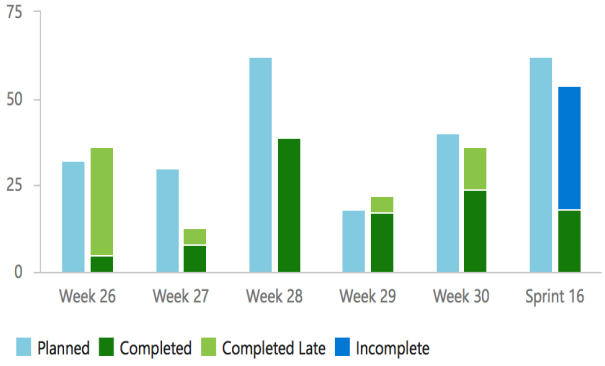
Last 30 days



Core-Services Velocity

Last 6 iterations

Story Points Average Velocity 29

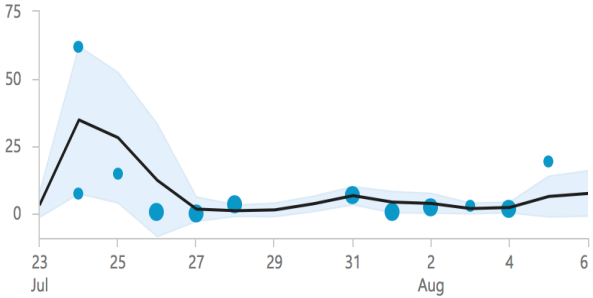


Core-Services Cycle Time

Last 14 days

5 Days on average (Started to Completed)

26 User Story



CONTINUOUS INTEGRATION / DELIVERY

- Fast builds
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RETROSPECTIVE

- Self Reflect
- Change things that are not working
- Keep things that are working

questions