Leaner PROGRAMMER ANARCHY

Fred George Forward Internet Group, London fredgeorge@acm.org

Experiences at...

Experiences at...















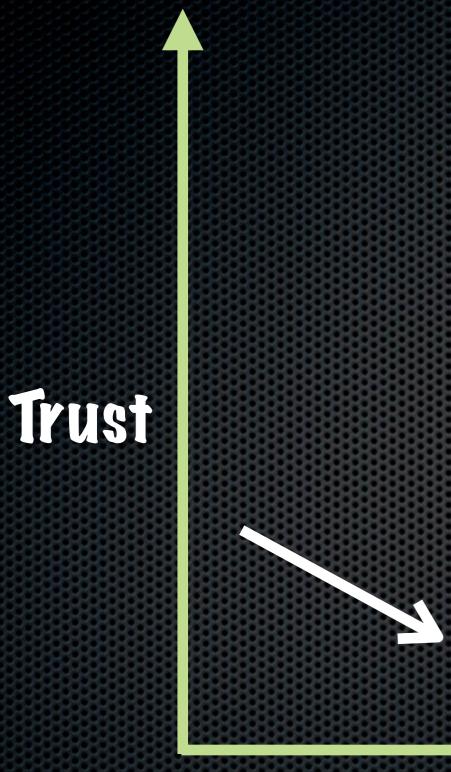




Agile Impact:

Trust between Customer and Developer

Trust



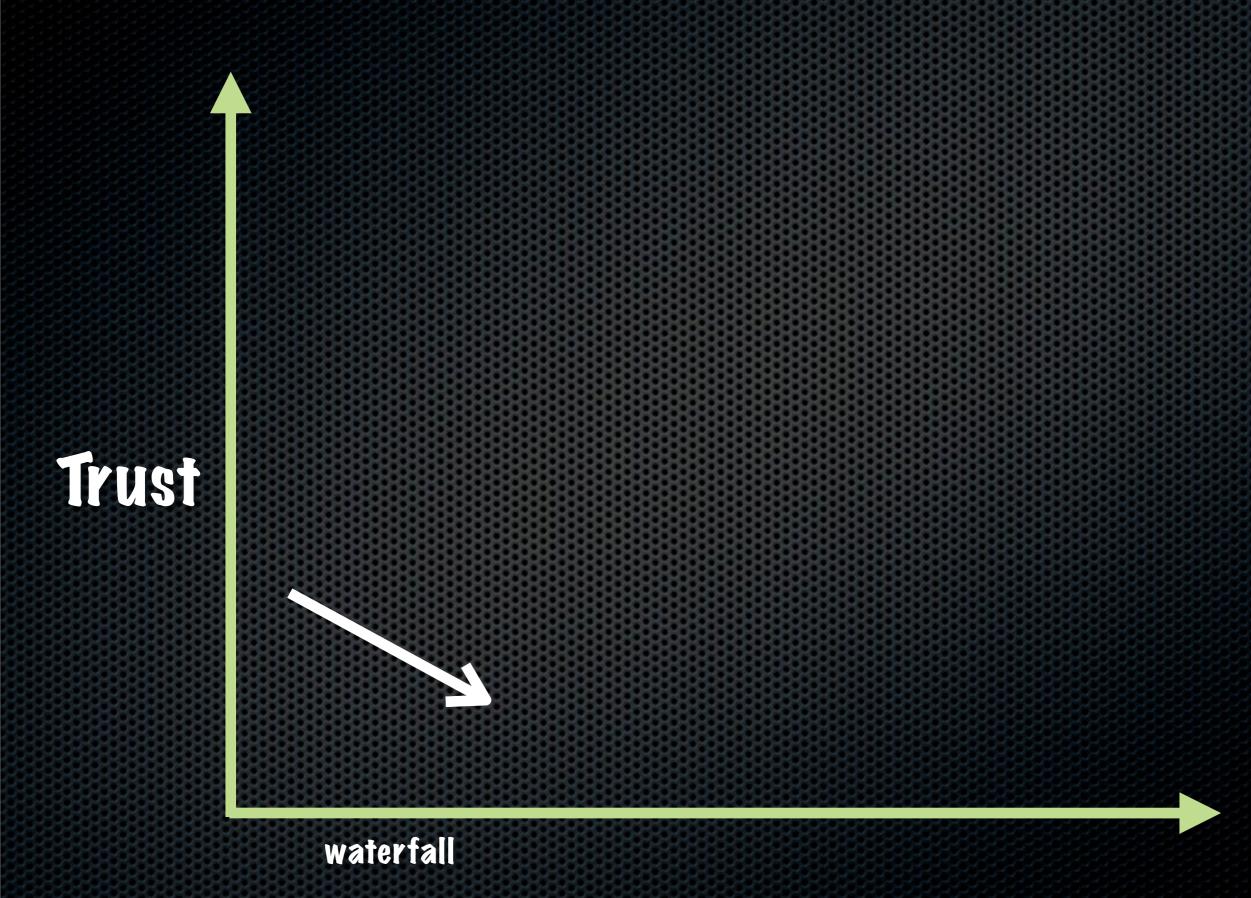
waterfall

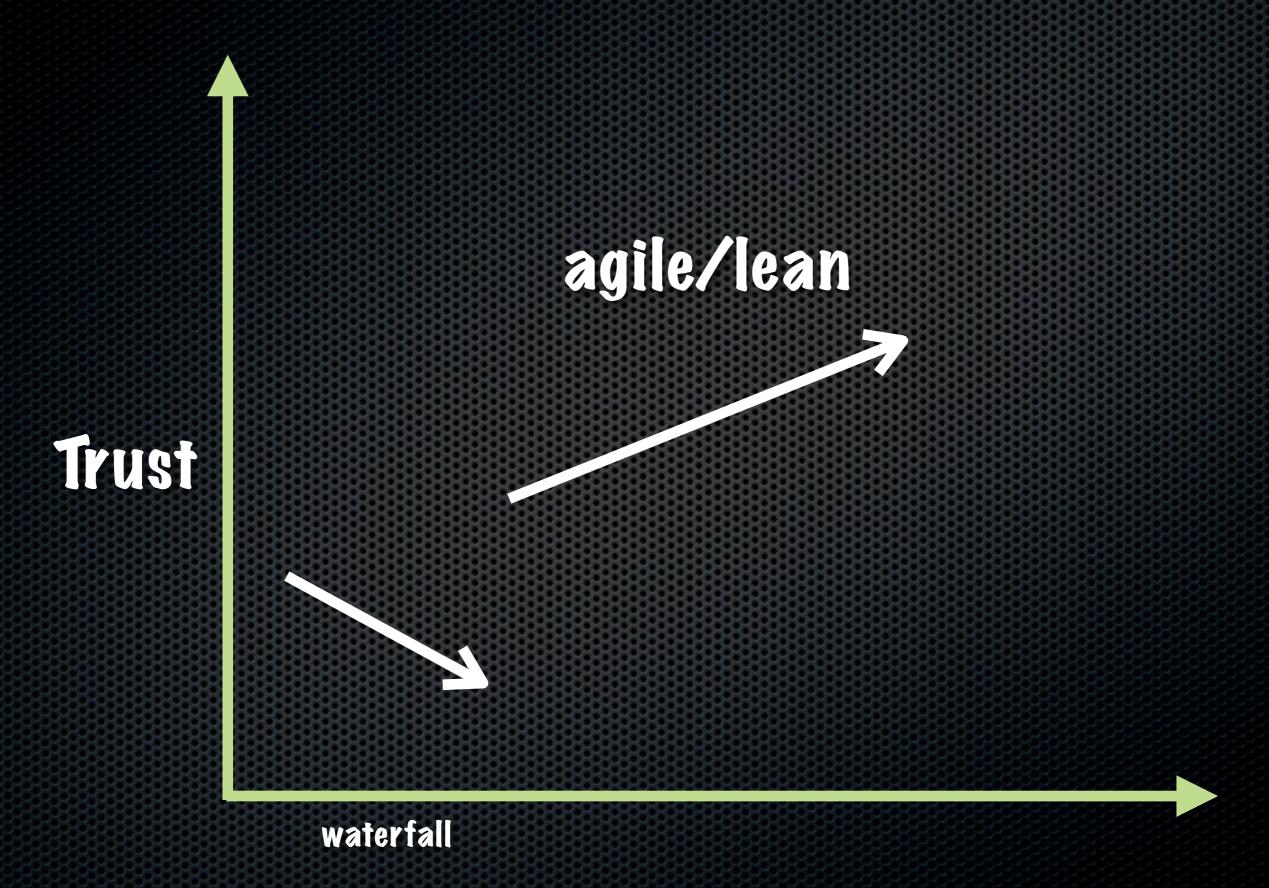
WHY?

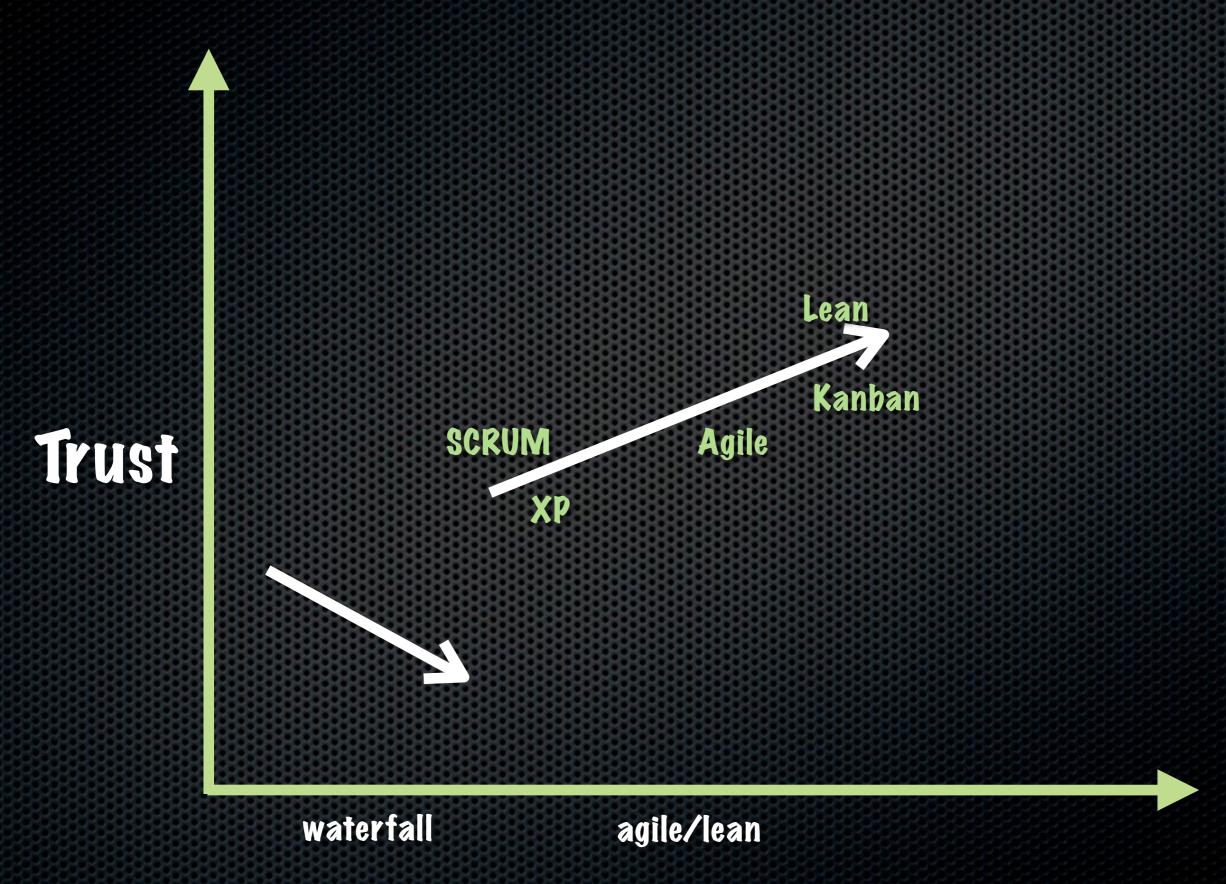
- + Larger systems
- + Higher expectations
- Volatile commercial environments
- + etc...

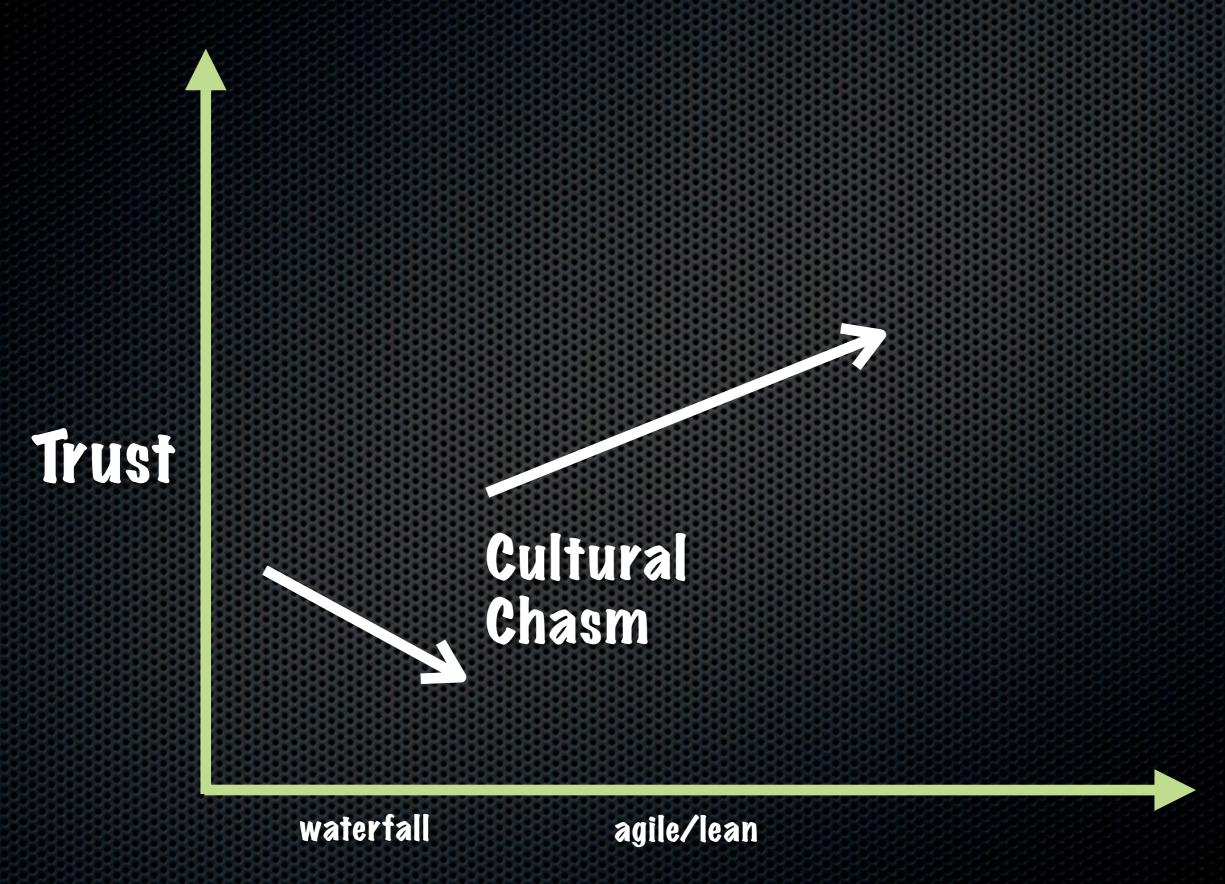
Trust

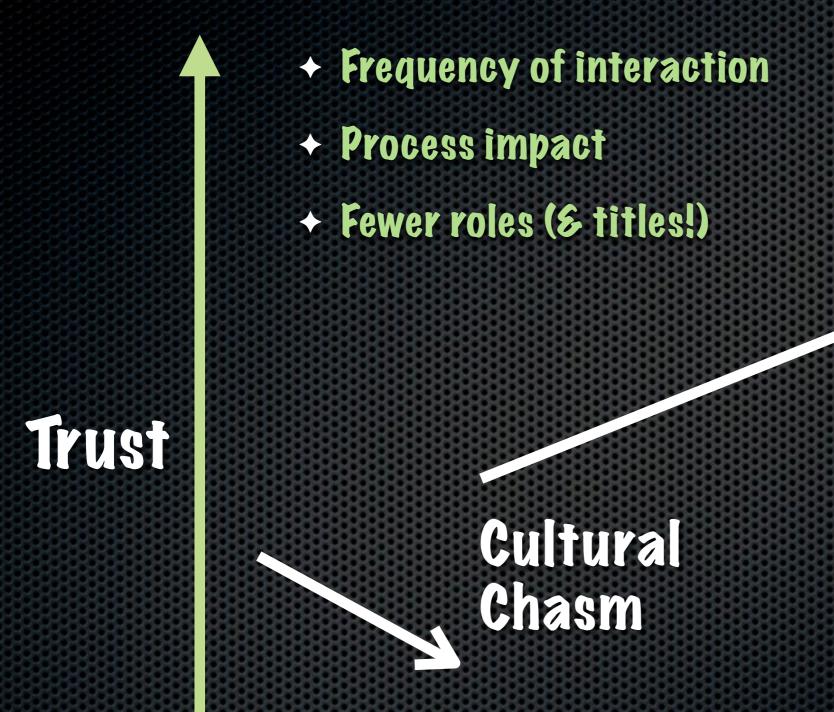








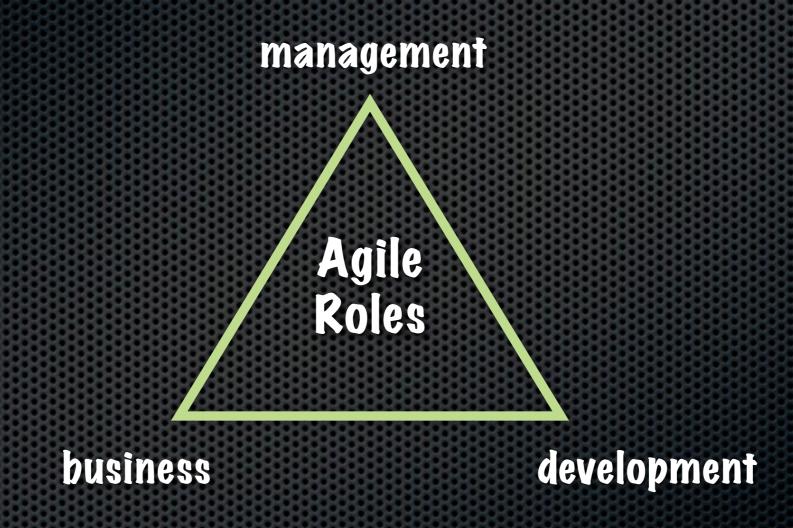




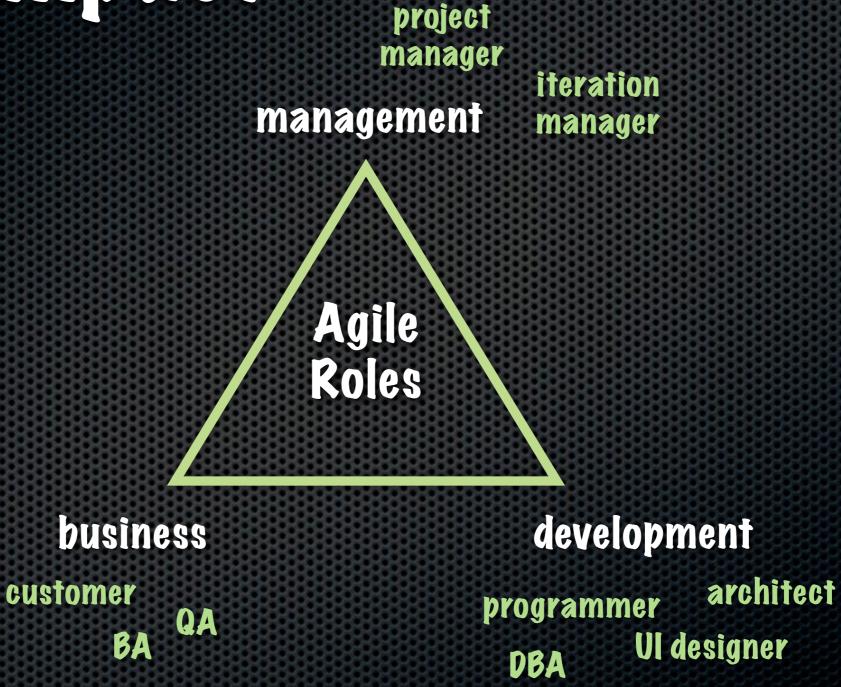
waterfall

agile/lean

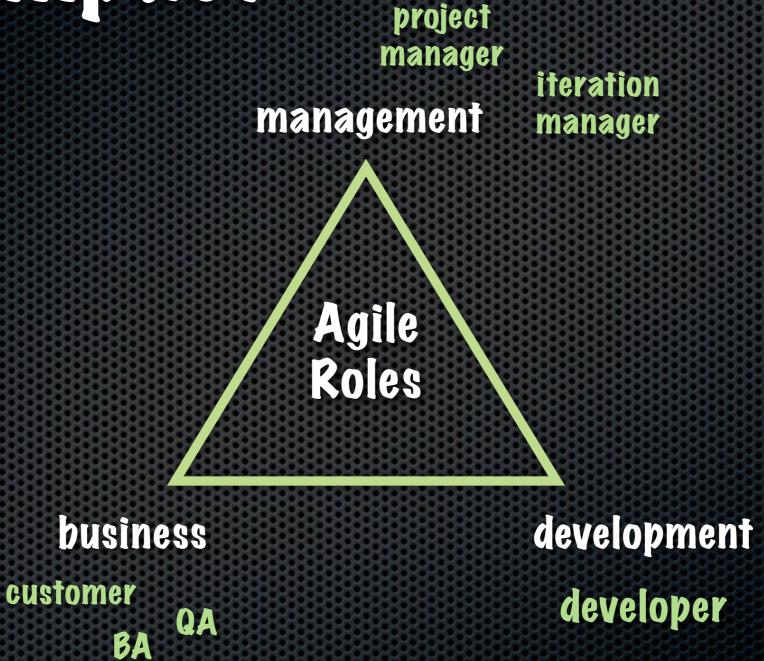
Role impact

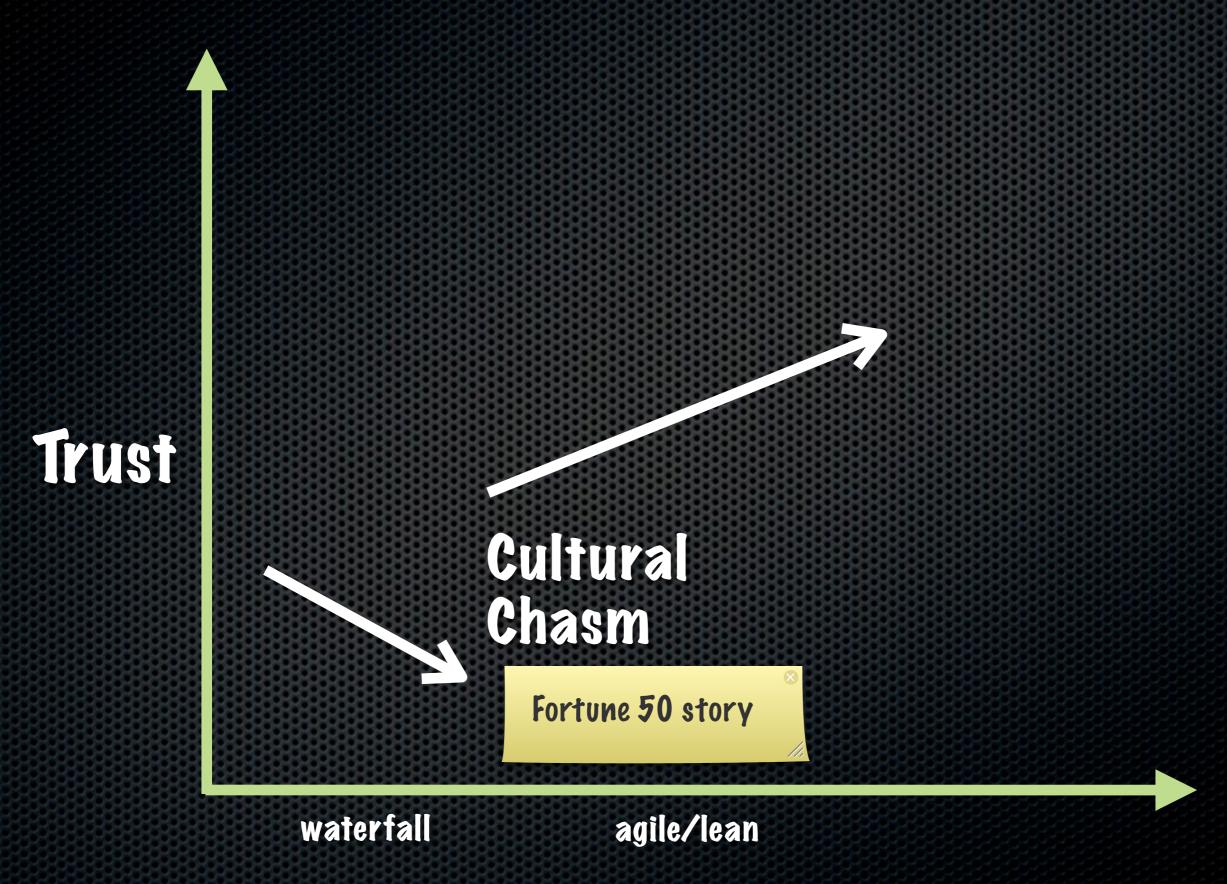


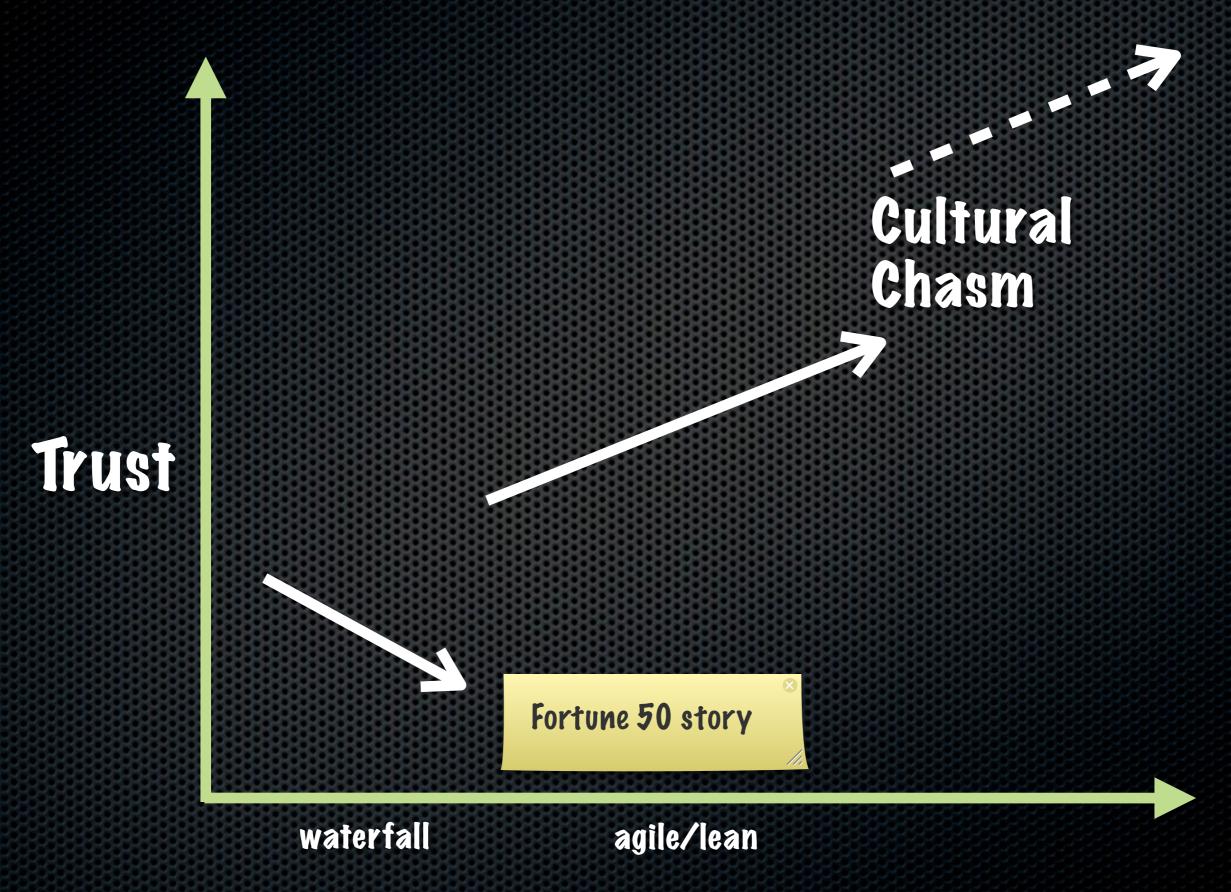
Role impact



Role impact







Agile Manifesto

- + Individuals and interactions over processes and tools
- + Working software over comprehensive documentation
- + Customer collaboration over contract negotiation
- + Responding to change over following a plan

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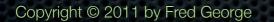


XP Values

- + Feedback
- + Communication
- + Simplicity
- + Courage
- + Respect

XP Values

- + Feedback V
- + Communication $\sqrt{}$
- + Simplicity
- + Courage 💙
- + Respect V



Agile Best Practices

- + Stand ups
- + Story narratives
- + Retrospectives
- + Estimates
- + Iterations
- + Mandatory pairing

- + Unit tests
- + Acceptance tests
- + Refactoring
- + Patterns
- + Continuous integration

Agile Best Practices Not Used

- + Stand upc
- + Story narratives
- + Rotroppostivos
- + Entimaton
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Agile Roles

- + Customer
- + Project manager
- + Business analyst
- + Developer
- + Quality assurance / tester

Agile Roles

- + Customer V
- + Project manager
- + Business analyst
- + Developer V
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Agile Roles

- + Customer
- + Project manager
- + Runingan analyst
- + Developer V
- + Austity annuvanna / tantar



Agile Roles Reduced Again...

- + Customer V
- + Drojoot manager
- + Business analyst
- + Developer V
- + Quality annurance / tenter
- + Manager of programmers



Developer-Driven Development

Developer-Driven Development

Open Source Business

Developer-Driven Development

PROGRAMMER ANARCHY

Open Source Business

Why "ANARCHY"

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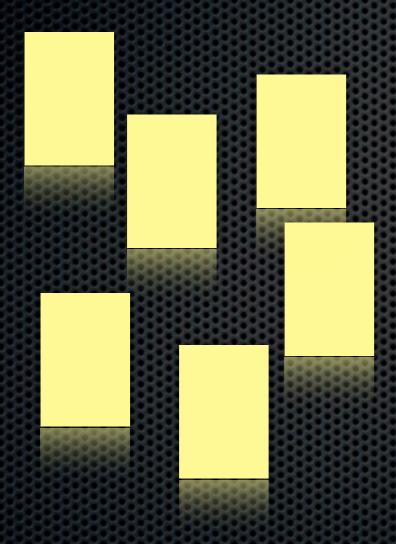
- + EMPOWERMENT
 - + Somebody "gives" it
 - + Somebody can "take it away"
 - + Leads to "Can I ...?"

Why "ANARCHY"

- + EMPOWERMENT
 - + Somebody "gives" it
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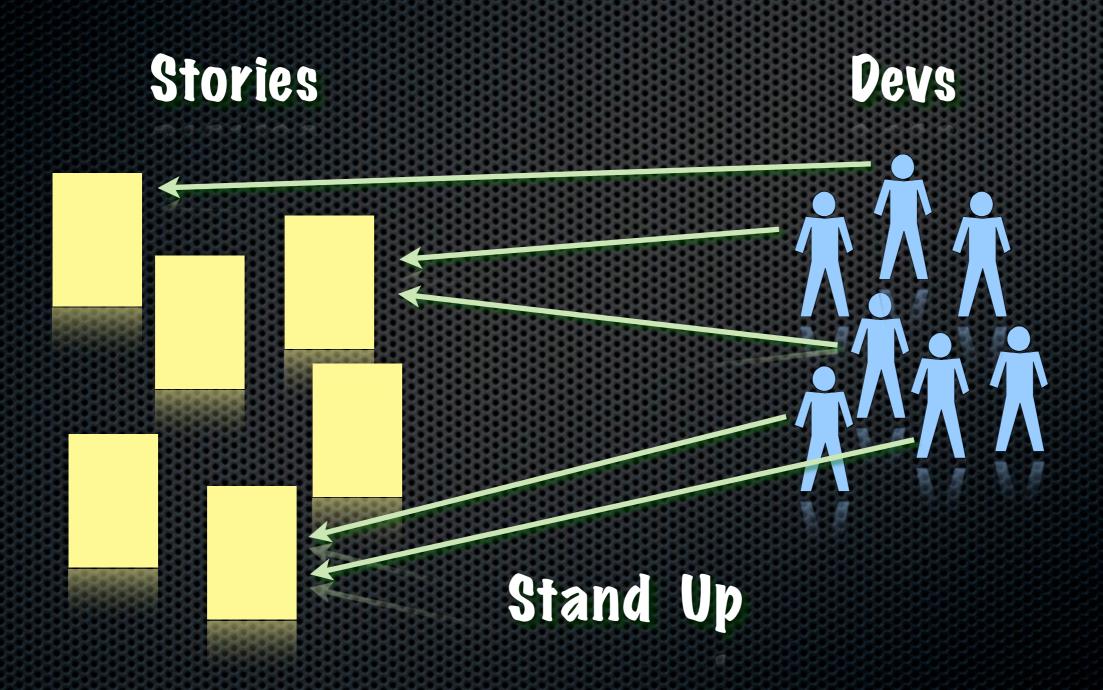
- + ANARCHY
 - + Nobody to ask
 - + Can't stop someone else
 - + Disagreements expected

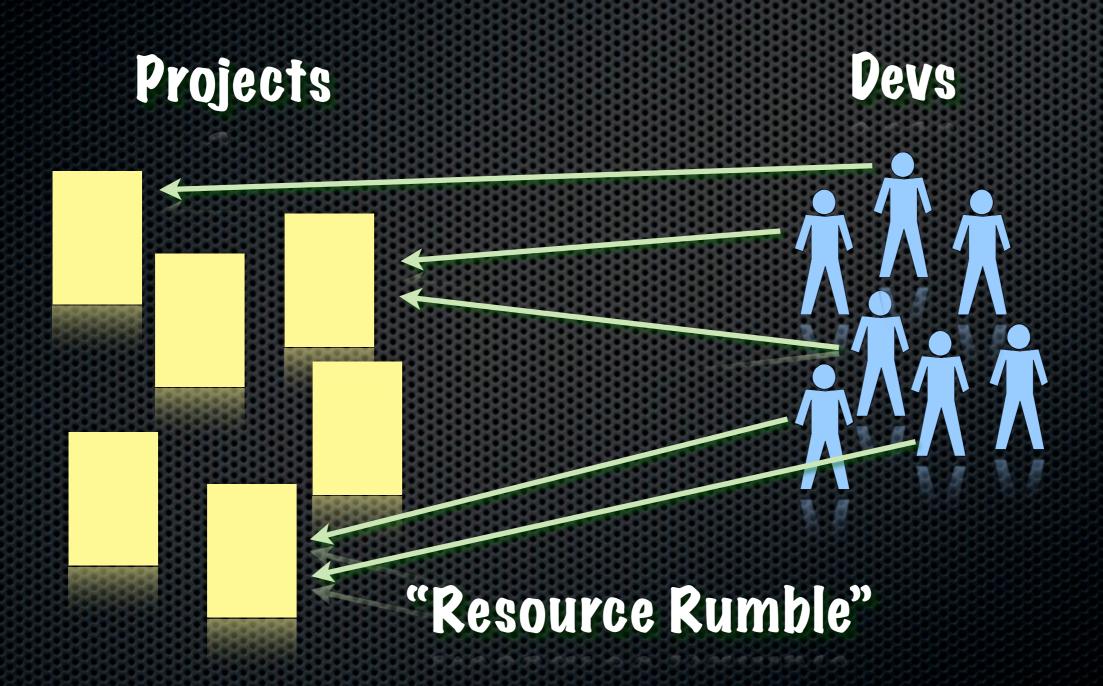
Stories

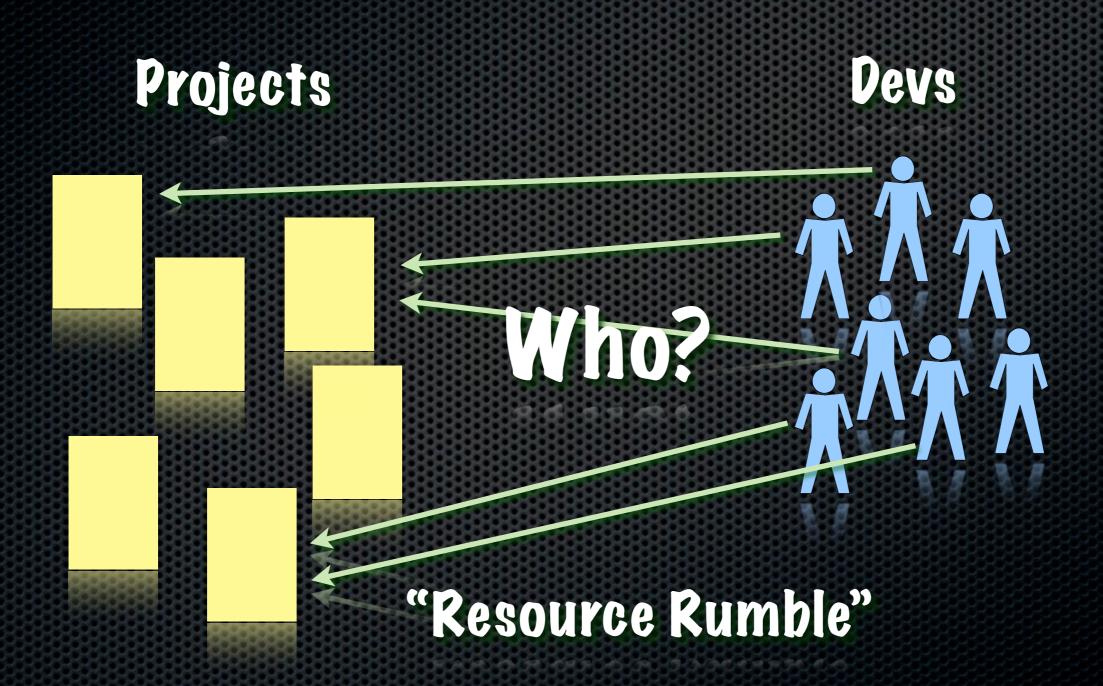


Devs



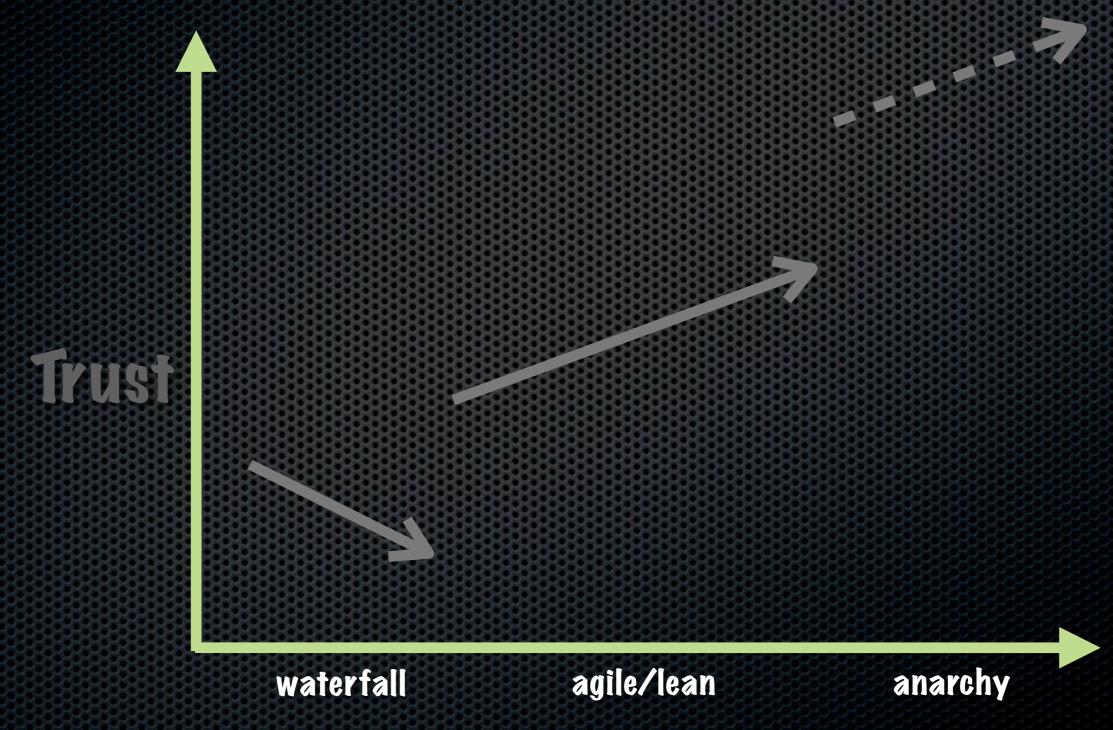


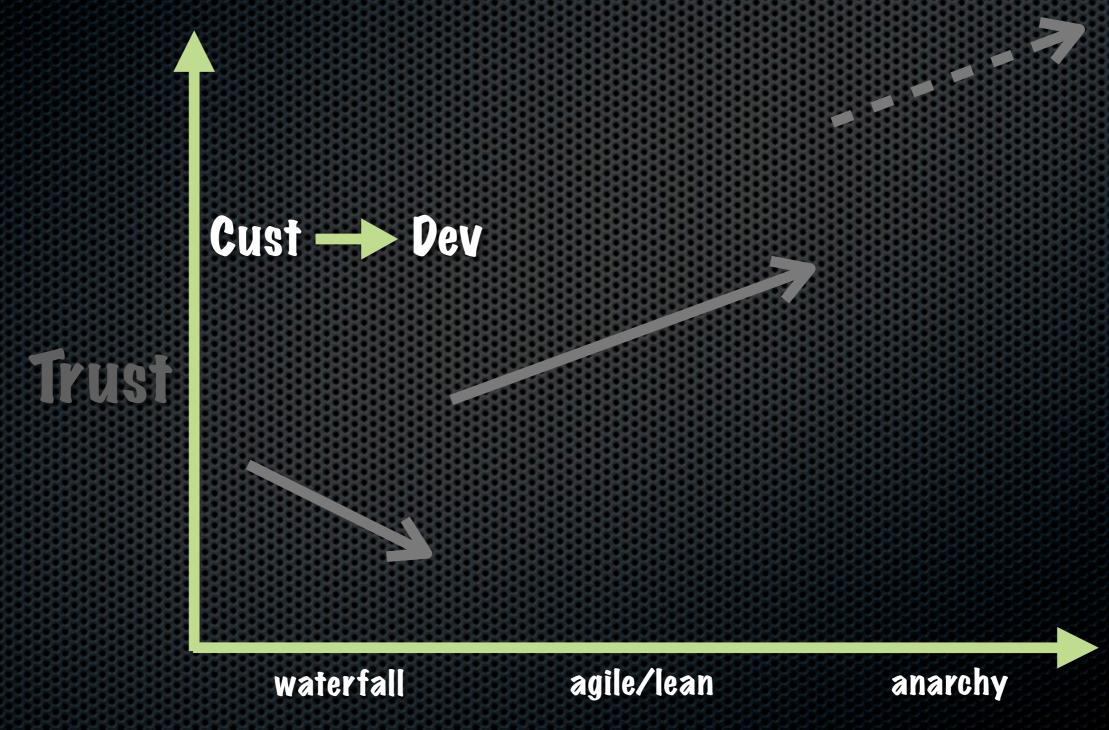


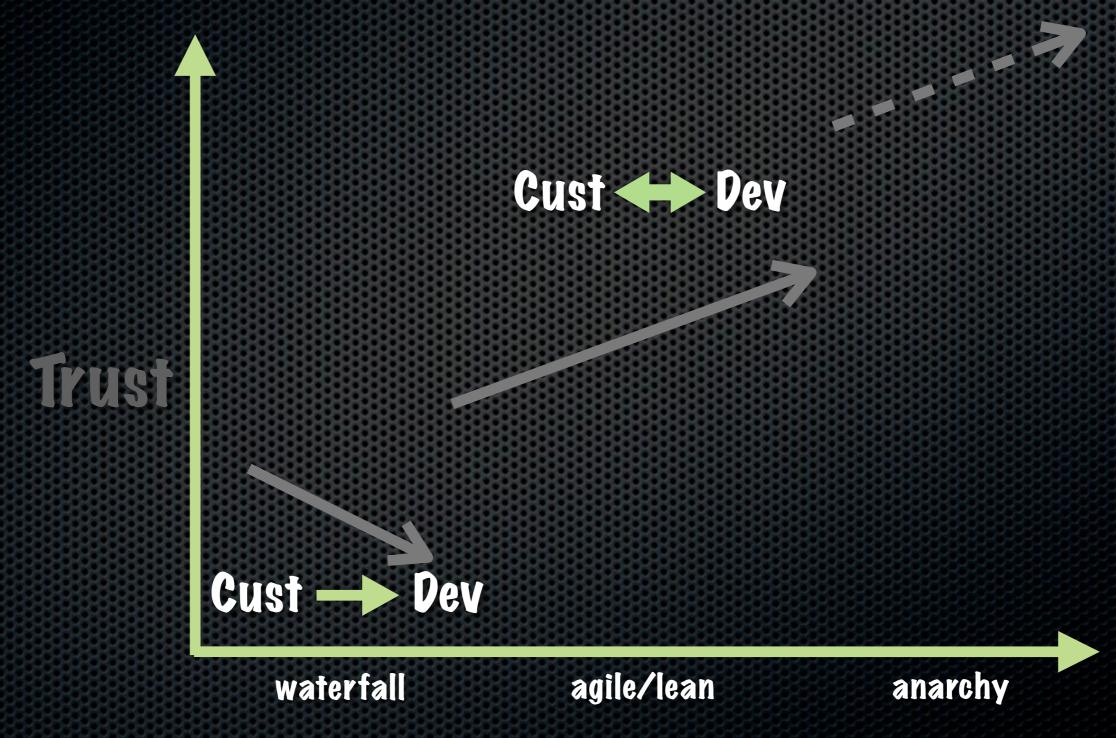


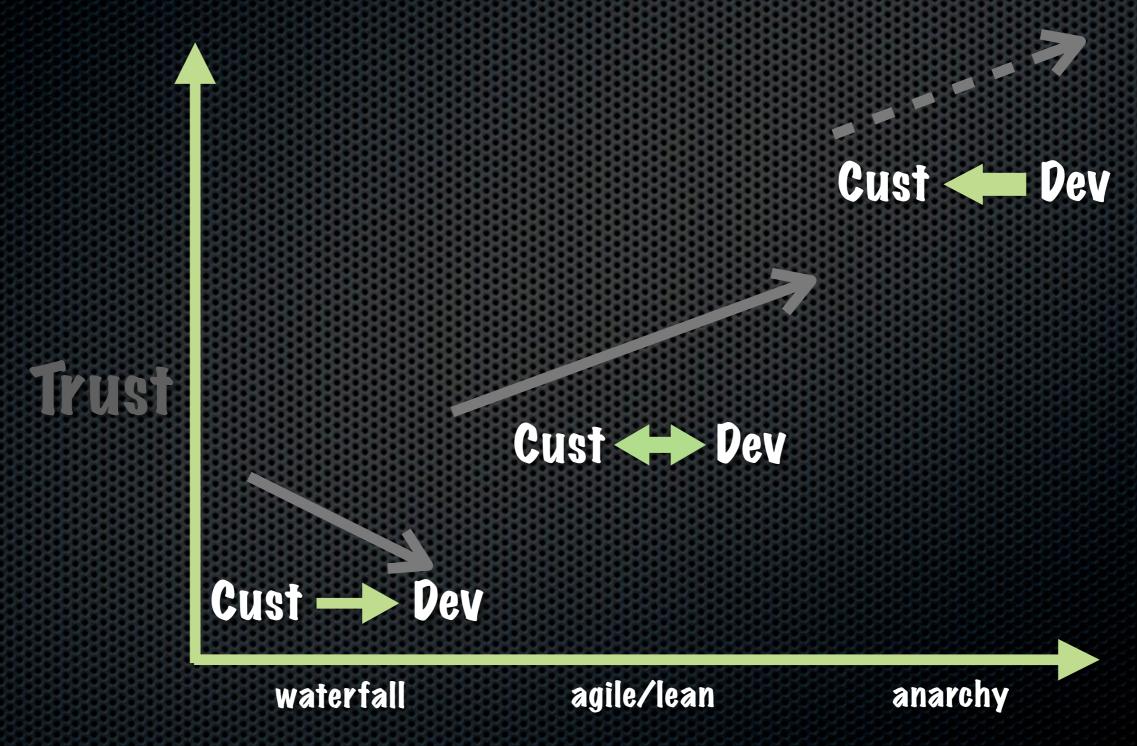
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Agile Side Effect: Story Tyranny

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- + Development driven by stories
- + Stories small
- + Priority set by customer
- + Story-level estimates and metrics

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Problem:

Developers become disconnected from business problem (Drones)

Fear is the mind killer

Sound finances

Risk affine

Sound finances

Risk affine

Clarity of success

Developer focused

Respected peers

Sound finances

Risk affine

Clarity of success

Developer focused

Respected peers

Do or not do, there is no try

Experimentation drives innovation

If you are not failing, you are not trying

Sound finances

Risk affine

Clarity of success

Developer focused

Respected peers

Do or not do, there is no try

Experimentation drives innovation

If you are not failing, you are not trying

The greatest barrier to success is the fear of failure

- + Stand ups
- + Story narratives
- + Retrospectives
- + Estimates
- + Iterations
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- + Unit tests
- + Acceptance tests
- + Refactoring
- + Patterns
- + Continuous integration

Trust w

- + Standups collocation
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- short-lived apps

Small,

- + Dattorno
- + Continuous integration

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- Results,
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- + Accoptance tests
- + Pofactoring
 - Short-lived Pattorns apps
- + Continuous integration

Continuous deployment

Small,

forwardtechnology.co.uk

Forward

We are Forward, a group of 38 geeks who share a passion for technology, blog and tweet about it. Oh, and we're hiring!

In the last 7 days 38 developers have made 916 commits resulting in 492 deploys to 86 projects

- + Prior system:
 - + .NET with SQLServer

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 - + .NET with SQLServer
- + New system:
 - + Ruby, Clojure, C++
 - + MySQL, MongoDB
 - + HAML, SASS

+ Ruby for energy calculation - big improvement!

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- + Rewrote in Clojure

- * Ruby for energy calculation big improvement!
- + Rewrote in Clojure
- + Rewrote in Clojure (again)

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Question: What manager would let them to do it?

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Question: What manager would let them to do it?

Hence: No manager!

Example: Click Tracking

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- + Old system:
 - + Ruby-based, 32 servers with 40% utilization

Example: Click Tracking

- + Old system:
 - + Ruby-based, 32 servers with 40% utilization
- + New system:
 - Nodejs, 22 servers with 10% utilization and lower latency

Reality Check

Reality Check

- + Different extent by team
 - + Talent, experience, apprehension
- + Even our best Anarchists "ask" on occasion
- + Commercial success driving freedom

Acknowledgments

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- + Anarchists
 - + Andy Kent
 - + Paul Ingles
 - + Mike Jones
 - + ... and the rest of the Search Team

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- + Enablers
 - + Carl Gaywood and Neil Hutchinson

PROGRAMMER ANARCHY

AYANA YANARCH'ANARCH VANA