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Quality.*Next*

Adrian O Leary
Purnananda Singh

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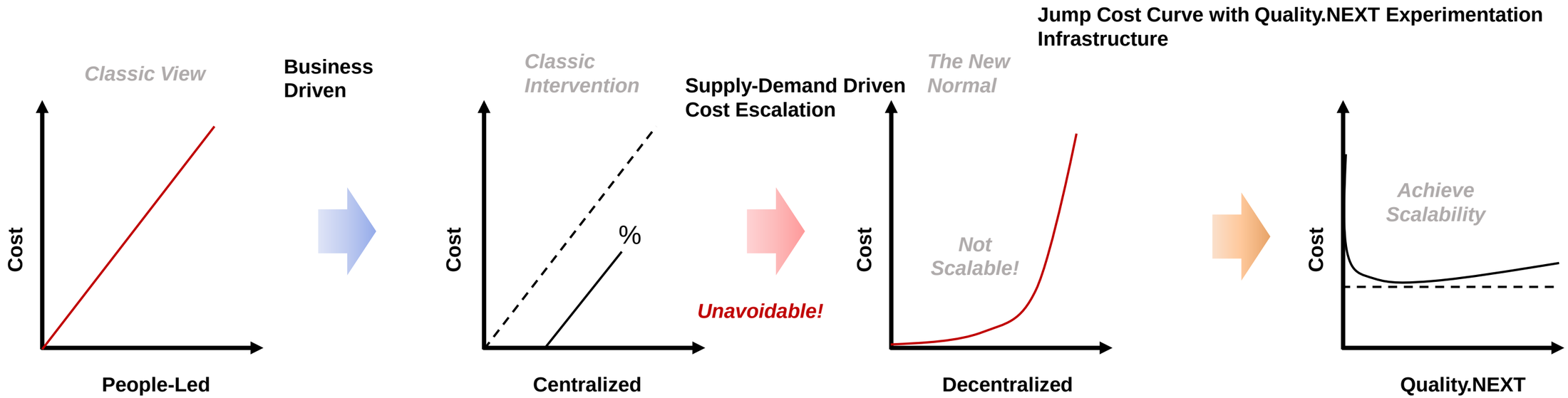
Where are organizations in their journey?



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Cost of poor software quality/failure

$61B to $2.08T

At the higher end this is more than the GDP of Australia / New Zealand

2020 estimates | Source: CISQ, Undo & Cambridge Judge Business School

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We are finding it but are we fixing it?

Image credit: Activeforlife.com

Image Credit: Nokia

Speed is irrelevant
If you are going in
the wrong direction

Image Credit: Pinterest

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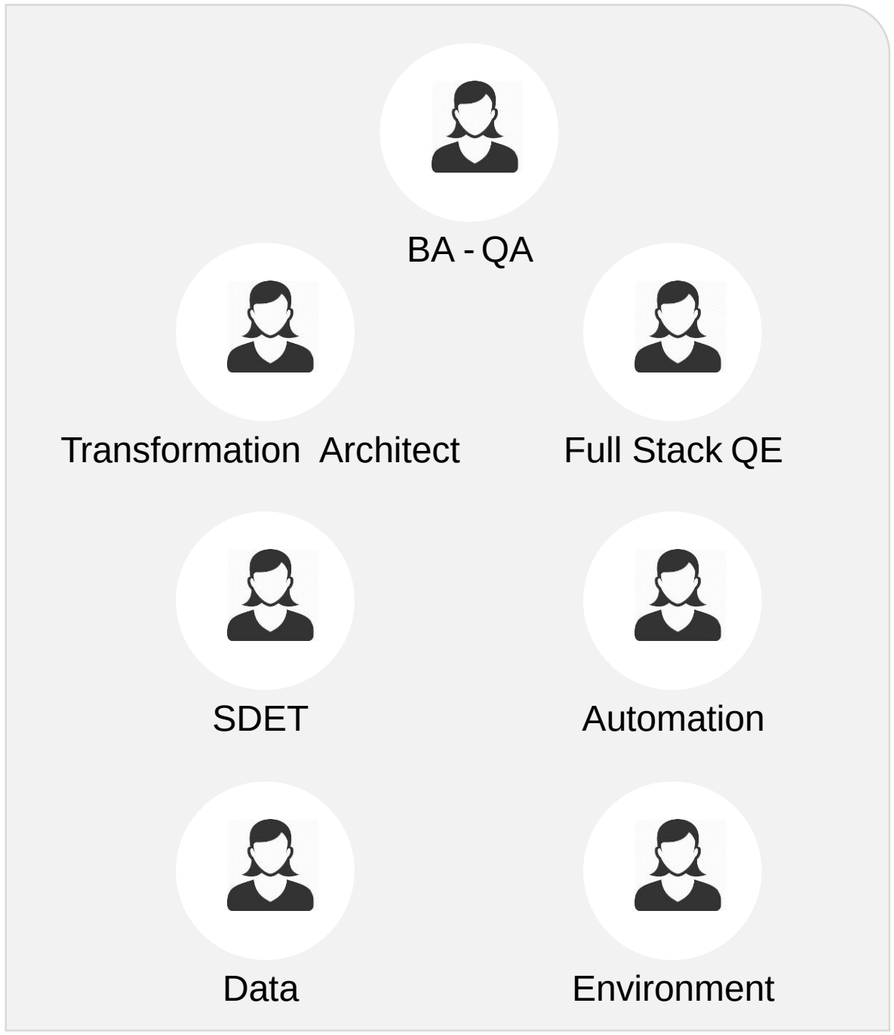
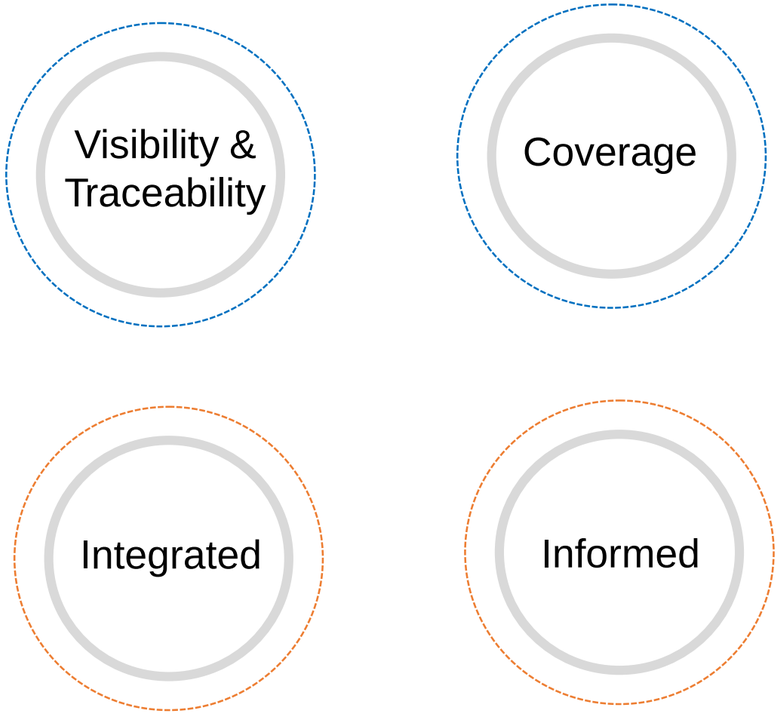
Quality is a team sport

Image credit: Bain & Company

Product Quality & Risk



The Quality Pod



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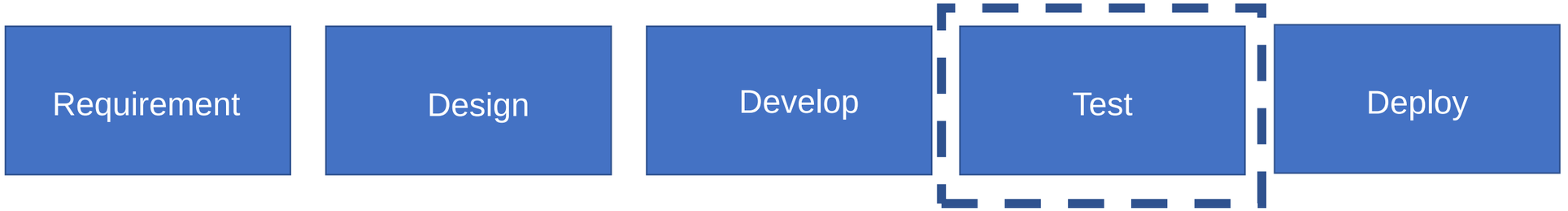
The Quality Pod

Traditional Method



20% of engineering process and talent focused on Quality, 80% of the process is vulenrable

Quality Pod

100% of engineering process and talent focused on Quality

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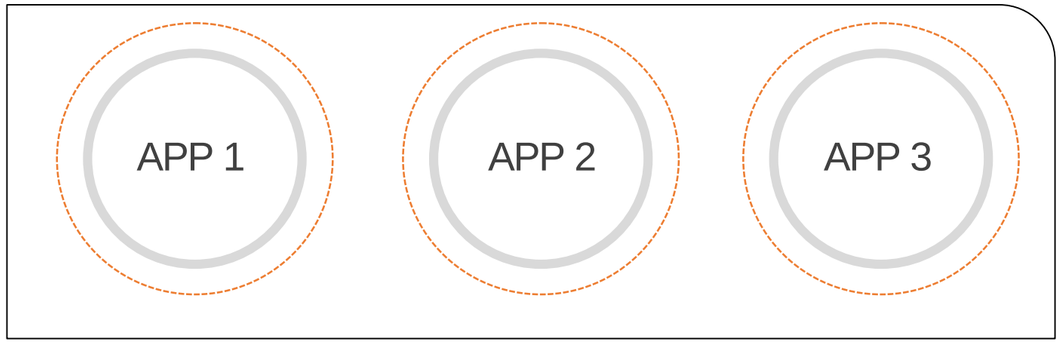
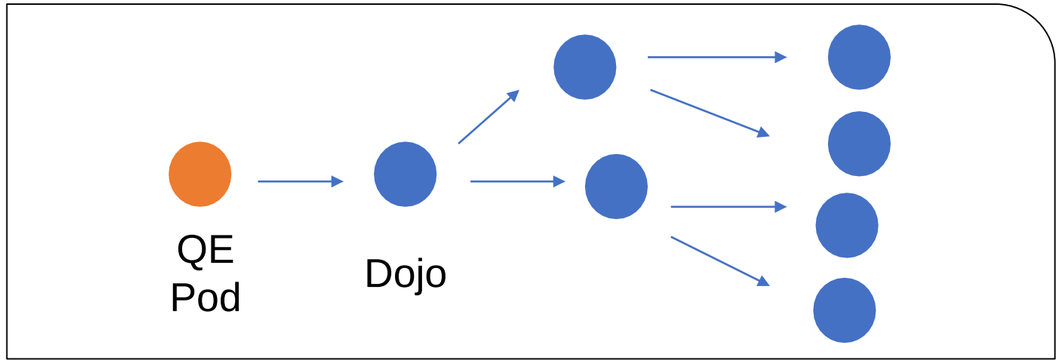
How does a pod operate

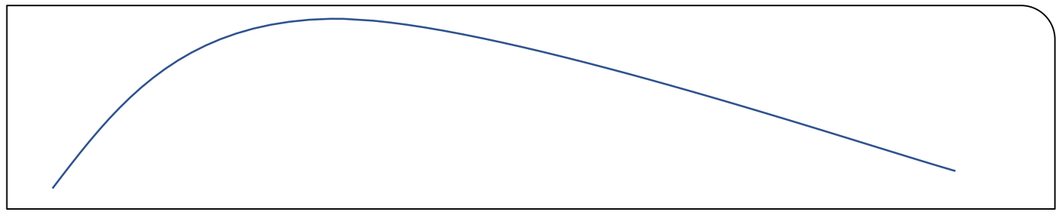
1.Organize



2.The Network Effect



3.Self Funding model



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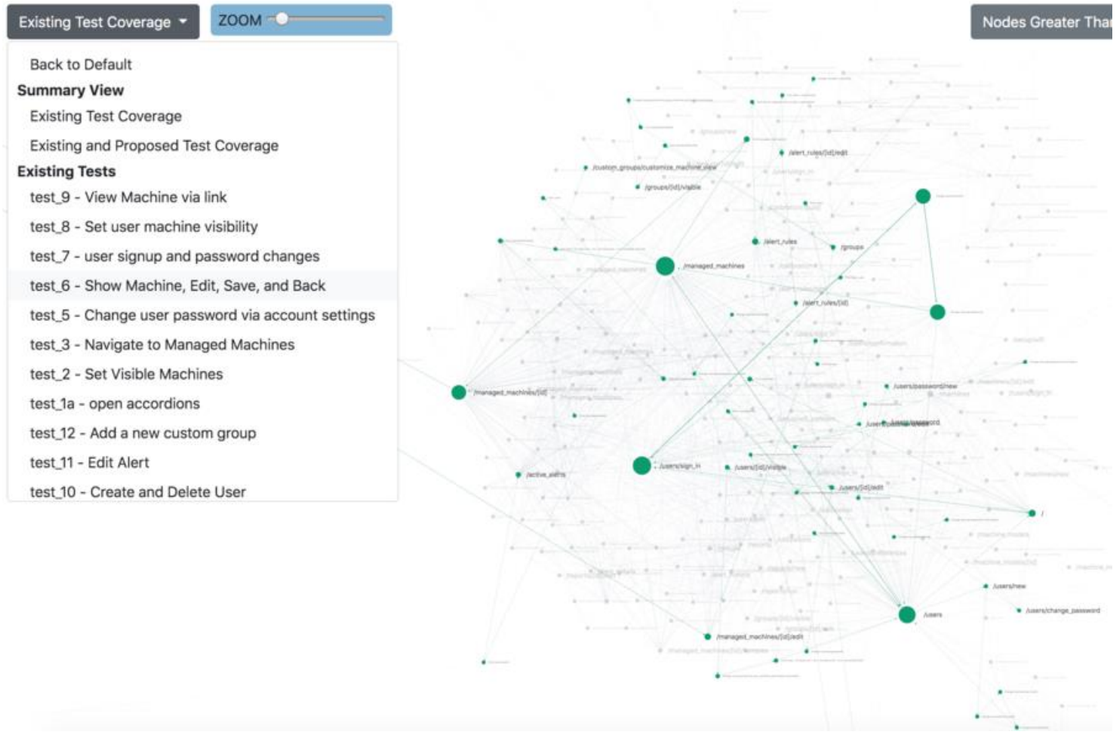
Visibility and Traceability

Value stream mapping @ Boeing



Prodperfect analysis

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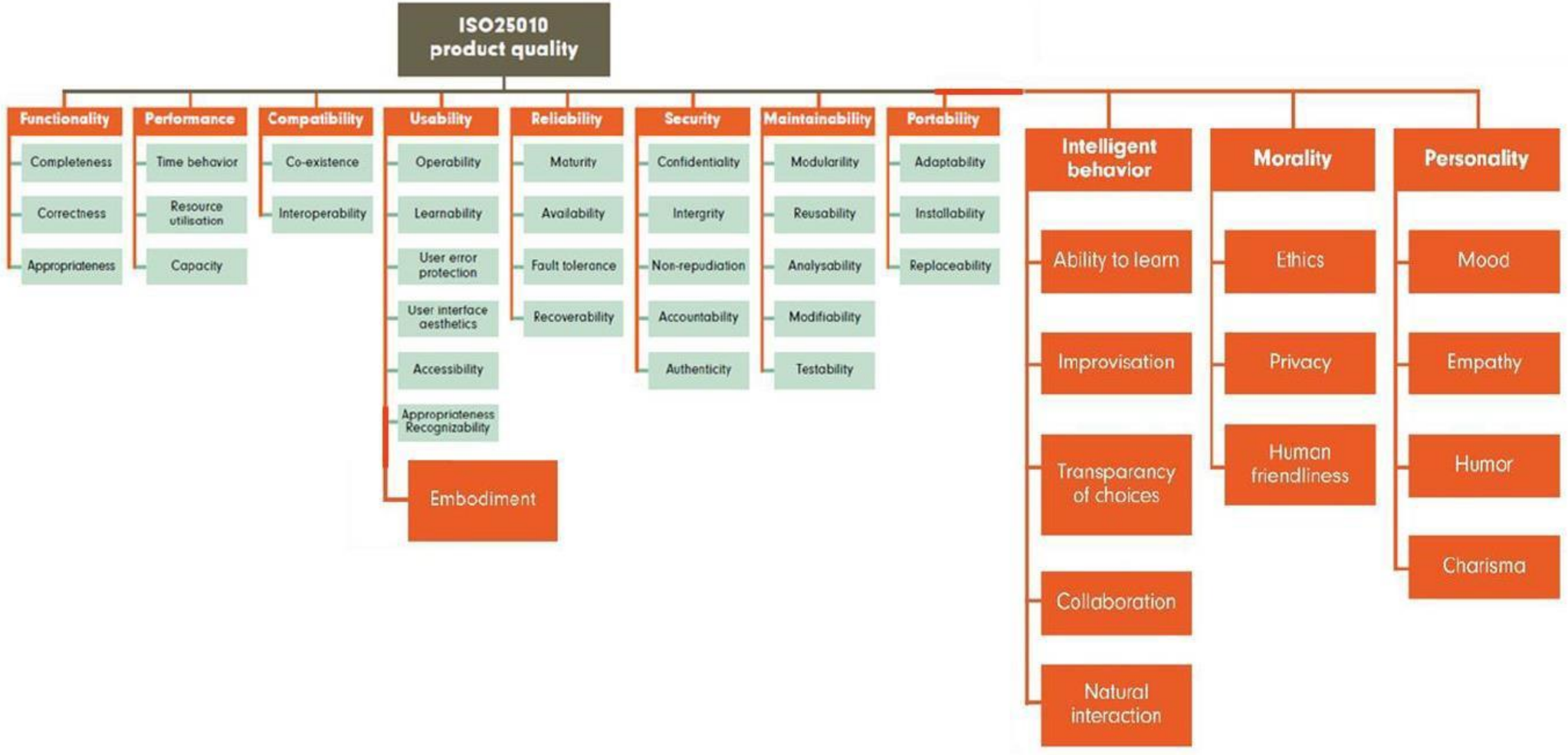
Coverage



Source: Eurostar 2018, Rik Marselis, Sogeti

Carnegie Mellon calls it Testing in a Non- Deterministic world, where not all outcomes can be predicted

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Integrated

Activity	BA/Dev/Ops	QE
Requirements	Req – IT Specs	Traceability Testability Resilience
Design	HLD, LLD	Complexity Performance Scalability Automated Gates
Develop	Modules Components	Test Driven Development, Component integration testing
Test	RCA Fix	Root Cause Analysis, Coding fixes
Deploy	Support	Alternate User journey, Deployment, Prod monitoring

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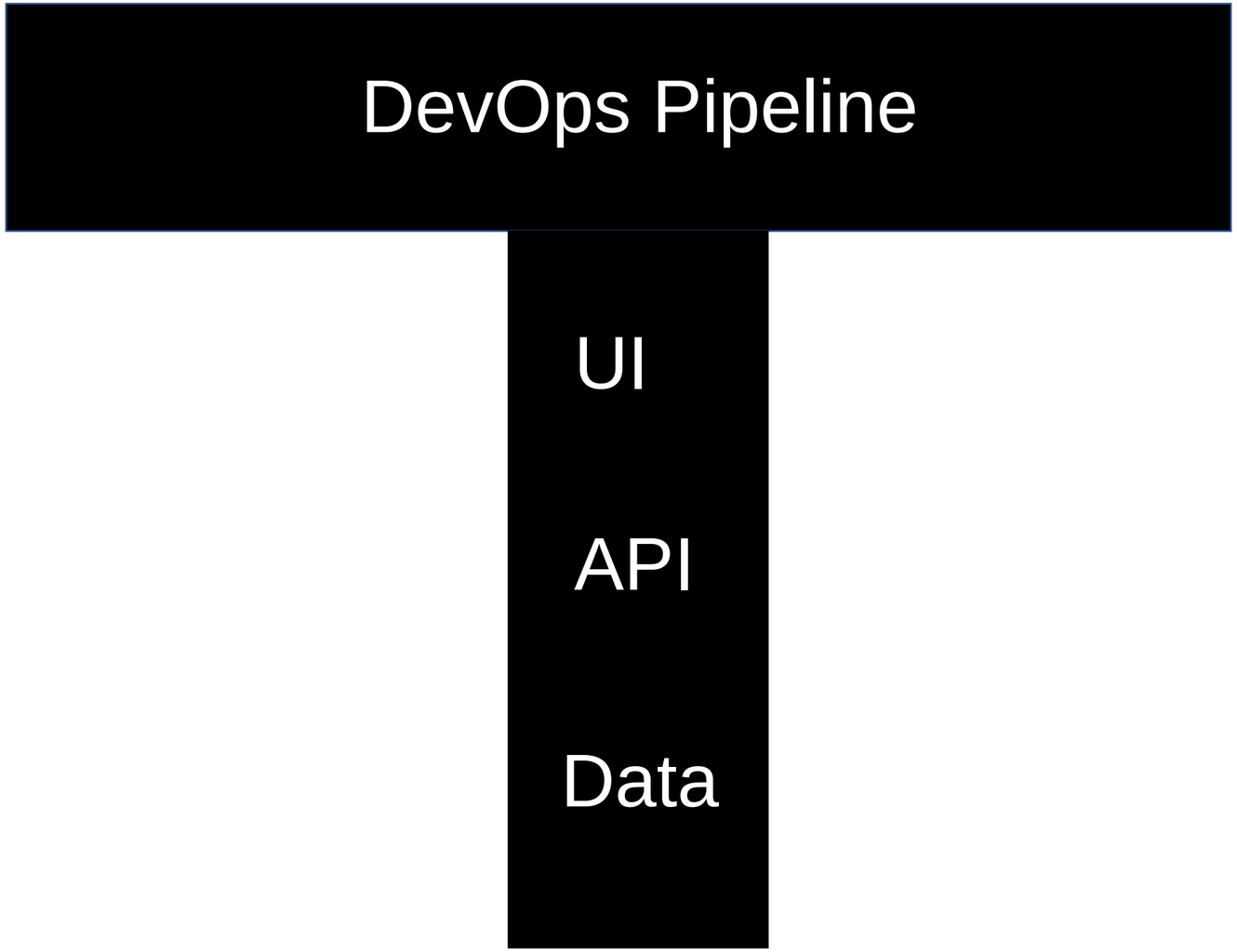
Integrated



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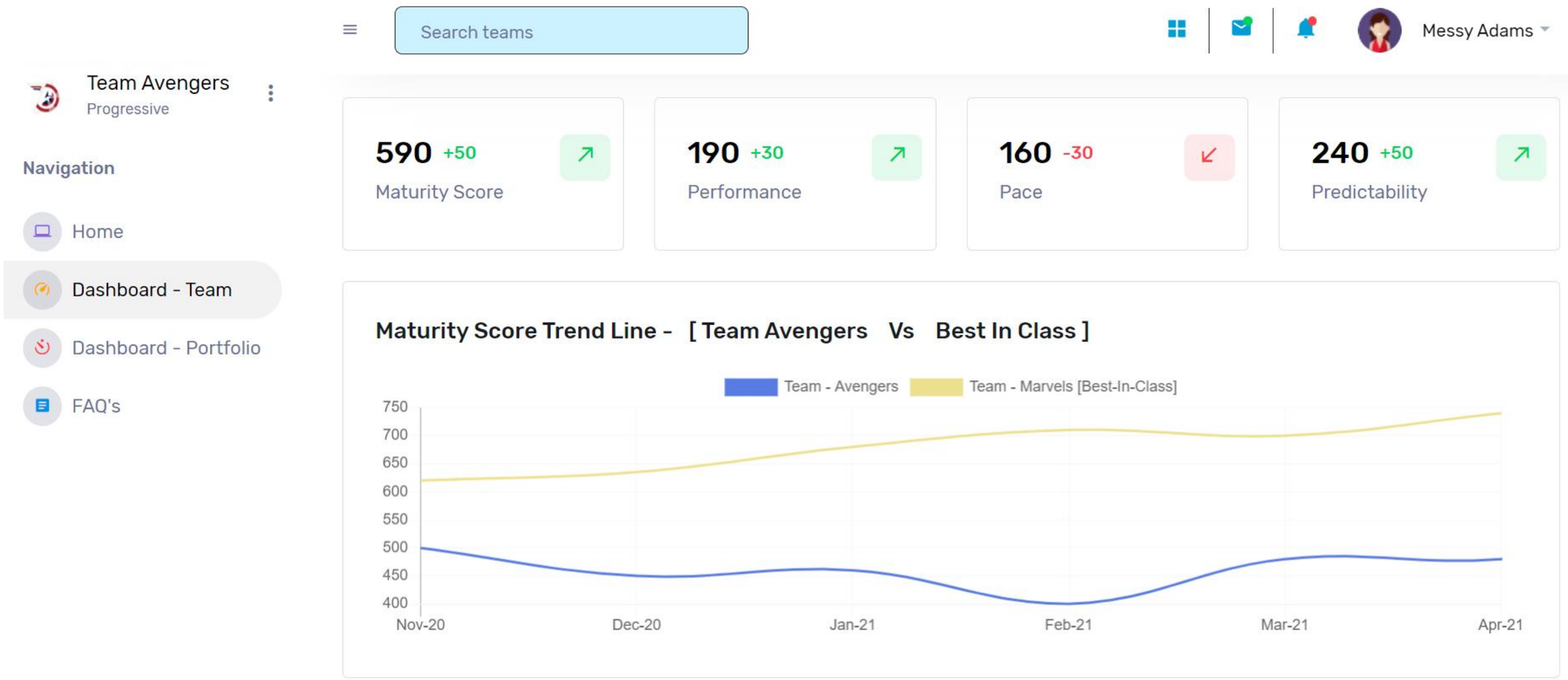
Informed



Coforge Agile Credit Score

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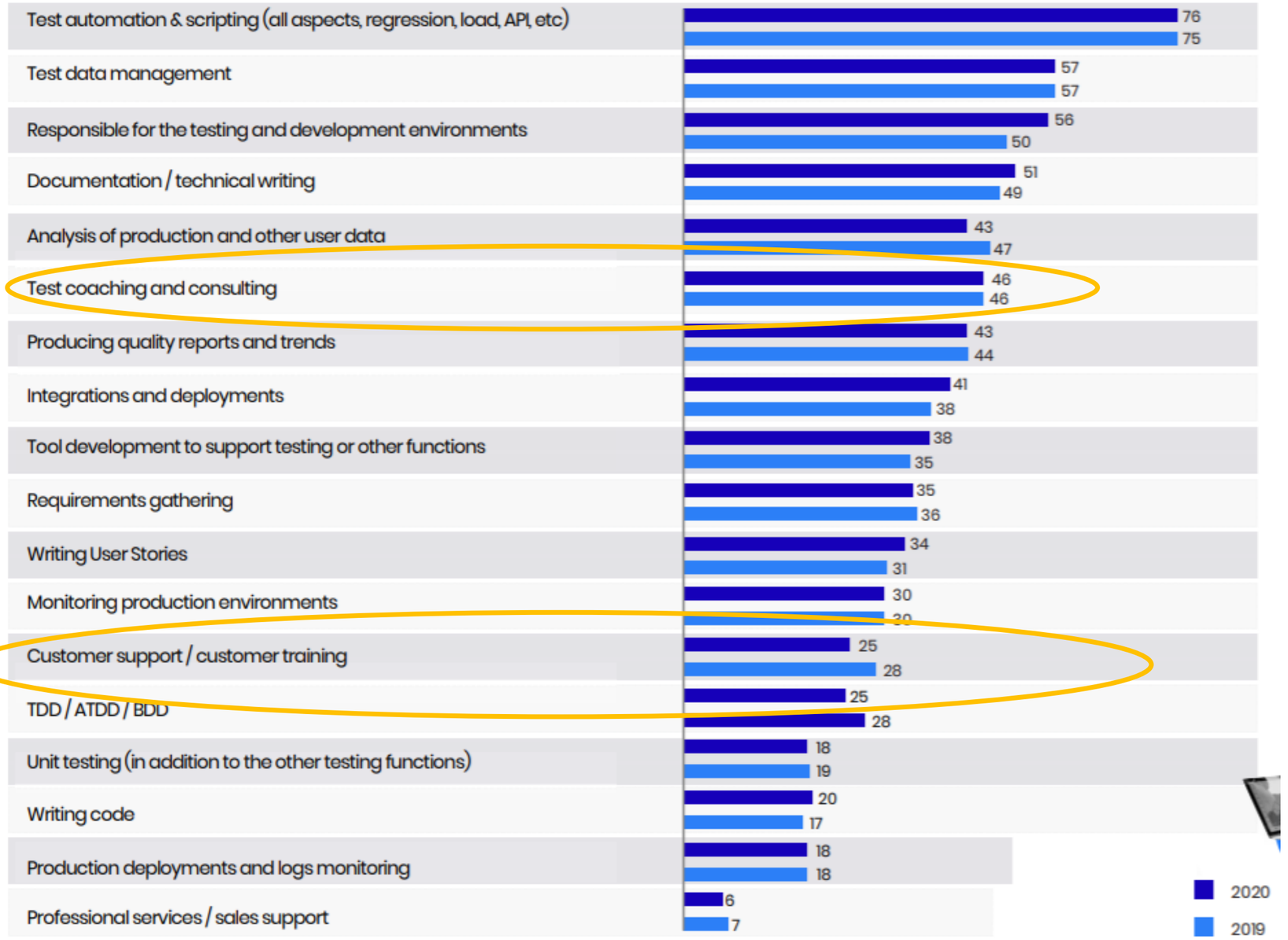
Can you spot the Transformation?



State of Testing Report 2020: Practitest

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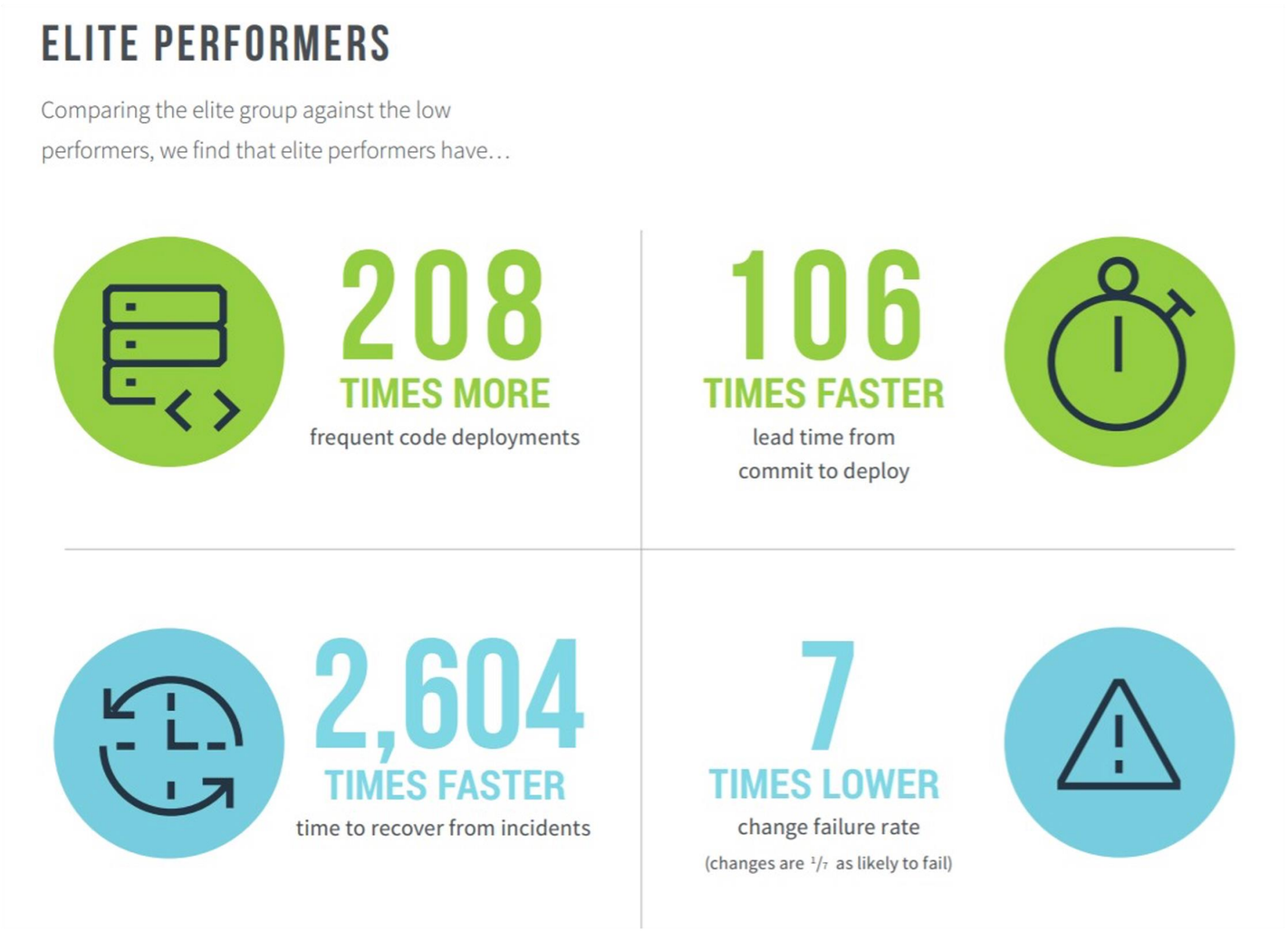
The Unicorns



Google: Accelerate State of DevOps 2019

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What does it mean for me?

Image credit: Quora

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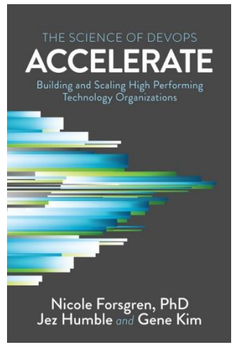
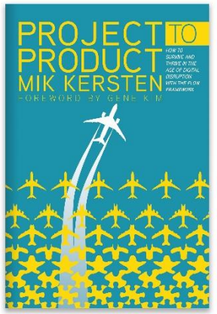
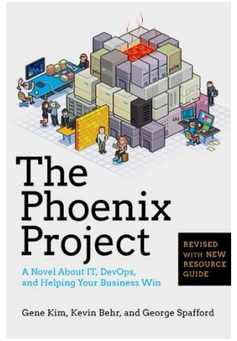
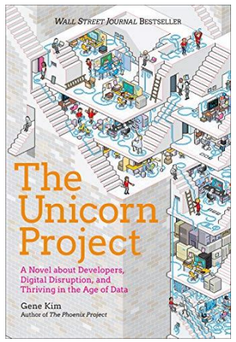
Adrian.OLeary@coforgetech.com

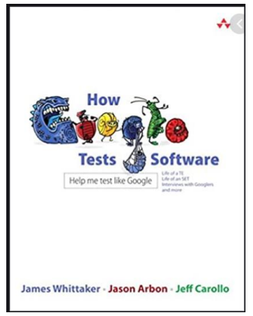
Purnananda.singh@coforgetech.com











and more….

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Thank You

Image Credit: The Matrix

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Thank You