INFUSE

The Infuse Capability Model
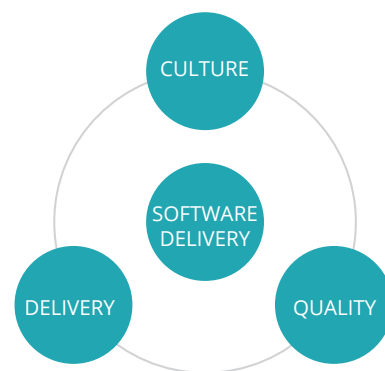## & how to build a journey to DevOps

What is It?

The Infuse Capability Model is an Agile & DevOps maturity framework for assessing an organisations software delivery maturity against Industry Standards

The higher the maturity, the higher the quality and speed of delivery, meaning organisations deliver value, faster

The ICM focuses on three main area's; culture, delivery and quality.

The ICM allows organisations to visualise their overall capability, where they need to improve, and create an actionable growth plan to help them achieve success and build their journey towards DevOps

CULTURE

SOFTWARE DELIVERY

DELIVERY

QUALITY

How does it Work?

The ICM is incredibly efficient, working in a simple four step program.

1

Assessment – An In-depth questionnaire will place your delivery maturity against the industry standard, the initial target maturity on our scale being 'defined maturity'

2

Gap Analysis & Road-mapping – How far from 'defined maturity' does your organisation sit, and what are the short/ Medium/ Long term goals you need to help you reach it

3

Implement Growth plan with the help of Infuse

4

Reassess – Run a retrospectives quarterly to see overall progress and repeat stages 1-3 to move up the maturity ladder.

	INITIAL	MANAGED	DEFINED	MEASURED	OPTIMIZED
COLLABORATION	Poor, ad-hoc communications and coordination	Managed communications, some shared decision making	Collaboration, shared decision making and accountability	Collaboration-based processes measured to identify efficiencies	Effective knowledge sharing and individual empowerment
AUTOMATION	No Automation	Siloed automation, no central infrastructure	Central automated processes across application lifecycle	Collect/Analyze metrics of automated processes and measured against business goals	Self-service automation, self-learning using analytics
PROCESS	Unpredicable, uncontrolled reactive processes	Processes managed but not standardized	Processes standardized across organization	Visibility/predictability of entire process quality & performance	Process risk and cost optimization

A skills Gap analysis of staff as well allows for visibility on which area's of testing they need upskilling on

What are the benefits

Bases on our work with organisation across a multitude of Industries, we have seen the following business benefits;

• Investment payback in less than 2 years
• 3x Increase in productivity/output of software delivery
• Reduced TCO of systems by staying on the latest patches/updates

• Reduction in service management issues by up to 80%
• Cost savings of over 50% on testing labour
• A better experience for your customers/organisation

The Issue to be addressed?

• Edinburgh Napier (ENU) wanted to learn more about how to implement regression test automation

• The concern was their software delivery process was very immature, and it was unclear whether they would have the bandwidth to implement TA

• Infuse suggested using our ICM to look over ENU software delivery capabilities & set out a roadmap on how they could improve, reach industry standards and increase their delivery bandwidth

Target maturity state definitions (Quality)
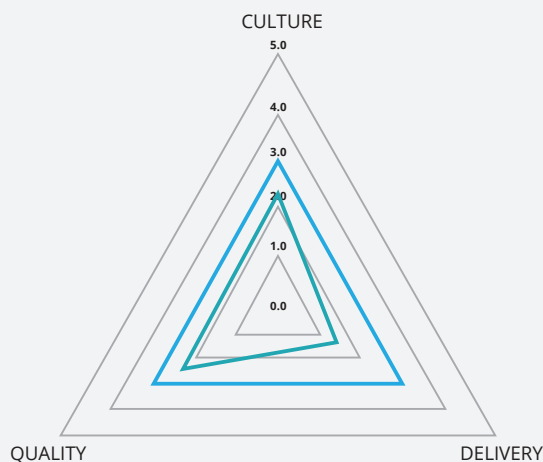
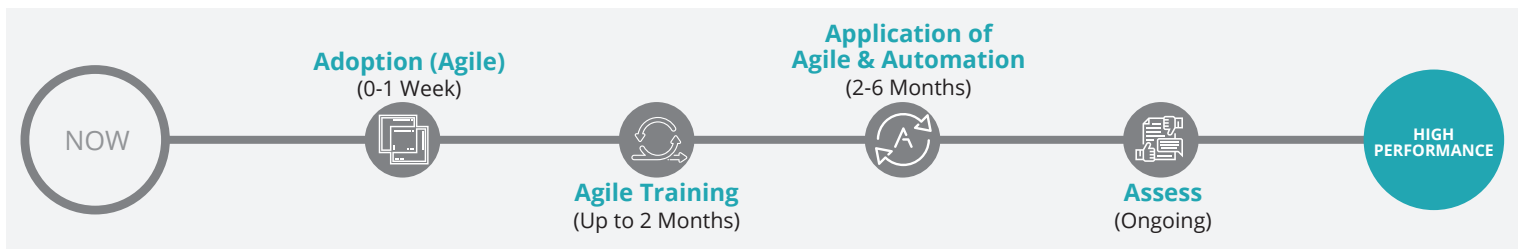| Lifecycle Management & Compliance	Testing
Data & Integration Management	Reliable & Scalable Architecture

The Initial Results

Of a target maturity score of 3.0 ENU scored 1.6 based of a score of 1.0 per area of focus; (delivery, culture & quality)

Some key area's of improvement highlighted:

• Improving Iterative development practices by becoming more agile (culture)

• Include static analysis & security check in automated pipeline (delivery)

• Upskill team on how to write automated e2e tests (quality)

How Infuse Helped

1. Agreed adoption of agile software development approach
2. Provided Agile & DevOps training to relevant teams in the IT department
3. Applied Agile processes & DevOps practices to improve culture, delivery & quality

4. Acquired specialist help to build CI/CD pipeline & upskill staff
5. Set re-assessment programs at 6 & 12 months

NOW —— **Adoption (Agile)** (0-1 Week) —— **Agile Training** (Up to 2 Months) —— **Application of Agile & Automation** (2-6 Months) —— **Assess** (Ongoing) —— **HIGH PERFORMANCE**

For Business Benefits, please see previous page

Want to know more?

If you'd like to know more about the ICM and how Infuse can help you build your journey towards DevOps drop us a message at:

info@infuse.it
Or visit the website at; www.infuse.it