ClearRoute

G-Cloud 14 - Services Definition

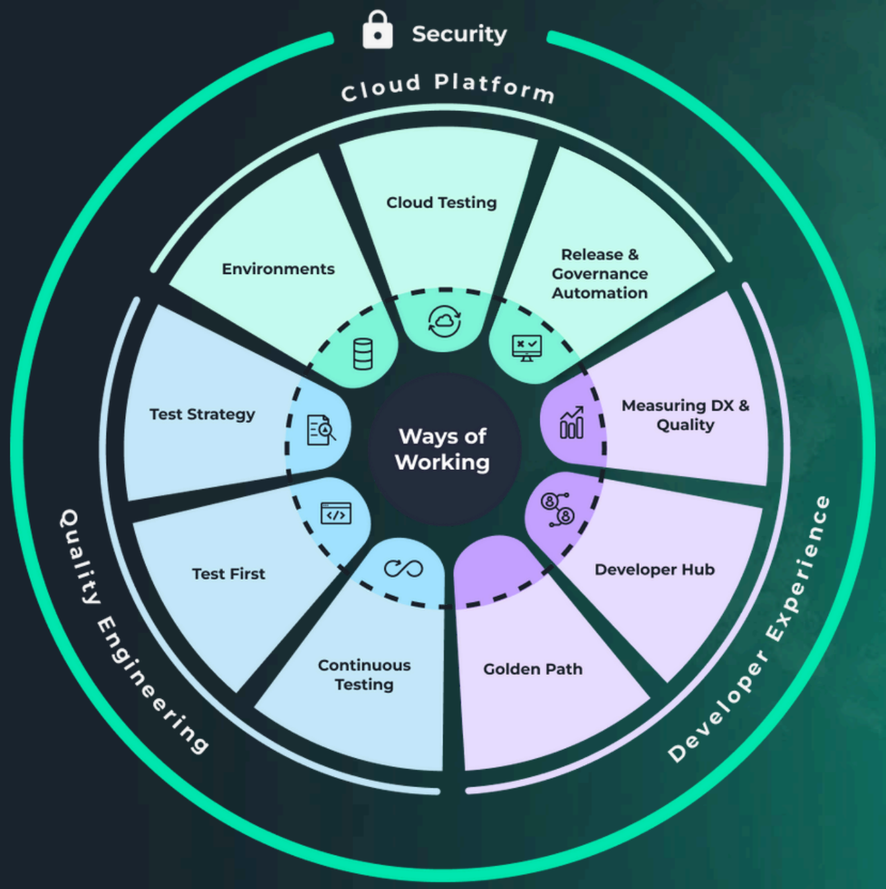
May 2024

TRANSFORM YOUR ROUTE TO LIVE

ClearRoute is a specialist Platform Engineering firm. Our Expertise includes:

Approach:

- Review & Measure
- Strategy & Solution Design
- Delivery Plan & Rollout



Tooling

GitLab · GitHub · k6 · cy · Backstage · LACEWORK · Gearset

Frameworks & Products

React · salesforce · Flutter · GraphQL · kafka · gRPC · React Native

Languages

TS · Java · python · node · Go · C#

Data

mongoDB. · PostgreSQL · redis · MySQL · snowflake · neo4j

Platform

aws · Azure · Google Cloud · kubernetes · docker · Terraform

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TRANSFORM YOUR ROUTE TO LIVE

- PLATFORM ENGINEERING
- CLOUD PLATFORM ENGINEERING ON AWS
- CLOUD PLATFORM ENGINEERING ON GCP
- CLOUD PLATFORM ENGINEERING ON AZURE
- INTERNAL DEVELOPER PLATFORM BUILD
- QA & TESTING
- VALUE STREAM MAPPING (ROUTE TO LIVE)
- DEVSECOPS TRANSFORMATION

“

ClearRoute continues to be a transformative partner for us at CBA. Their exceptional talent pool and agility have been instrumental in unlocking significant value from our engineering efforts. They've demonstrated specialised capabilities to proactively hunt for opportunities to reduce waste, remove blockers, and consistently find innovative ways to improve engineering velocity reliably.

Gavin Munroe, Global Executive
and Chief Information Officer, Commonwealth Bank

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TRANSFORM YOUR ROUTE TO LIVE

A typical ClearRoute engagement consists of 4 phases.

1. Assessment
2. Enablement / Build / Delivery
3. Embed
4. Monitor

The full 4 phase lifecycle represents a full end to end Route to Live transformation providing a revolutionised way to innovate and launch digital products to market.

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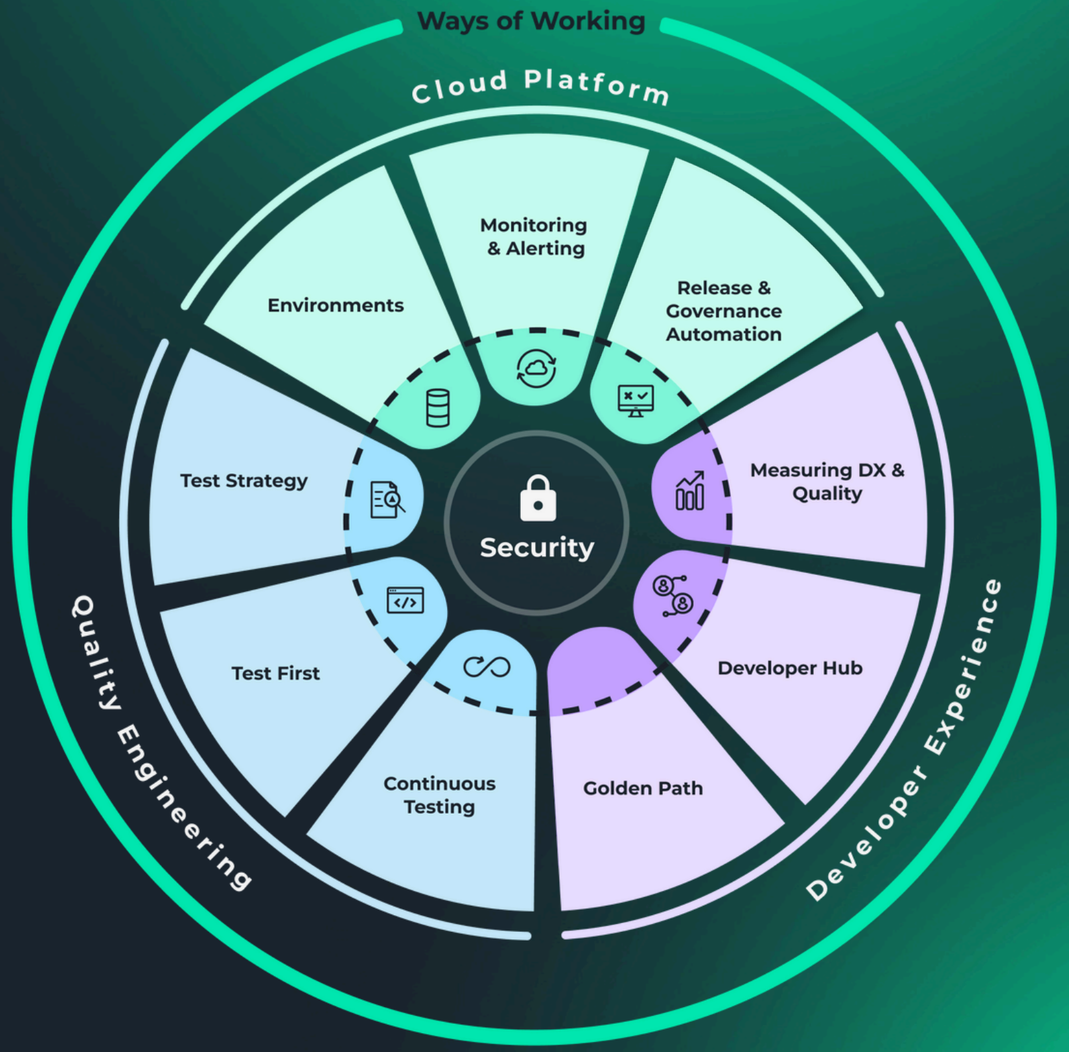
ASSESSMENT

PHASE 1 - ROUTE TO LIVE

Phase 1 - ClearRoute will engage with the teams of the appropriate value steam to map out the detail of the relevant development practices, ways of working and technical architecture to identify bottlenecks, limitations and recommendations for improvement.

We benchmark the teams against the capabilities as outlined in the ClearRoute QCE Engineering Framework show adjacently.

This method results in an empirical based assessment against best practises with a clear scoring and route for improvement.



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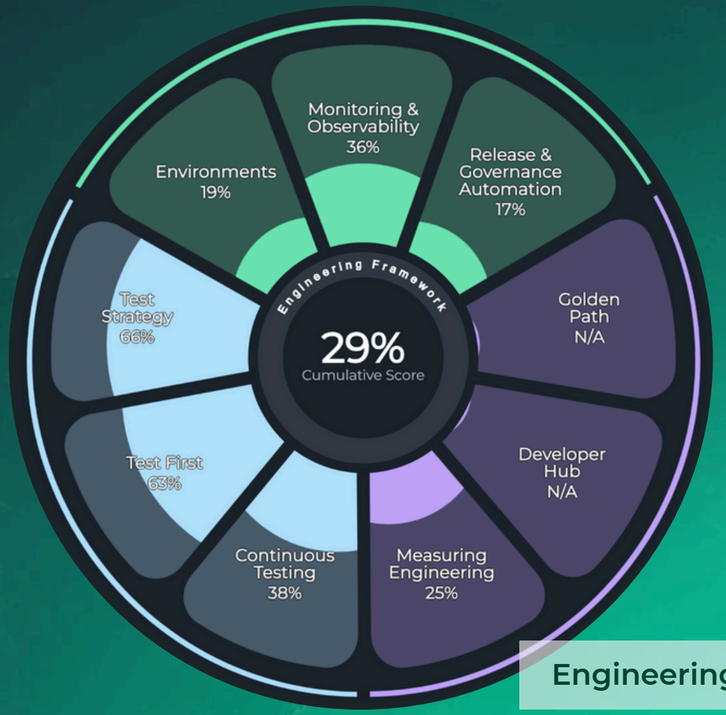
ASSESSMENT

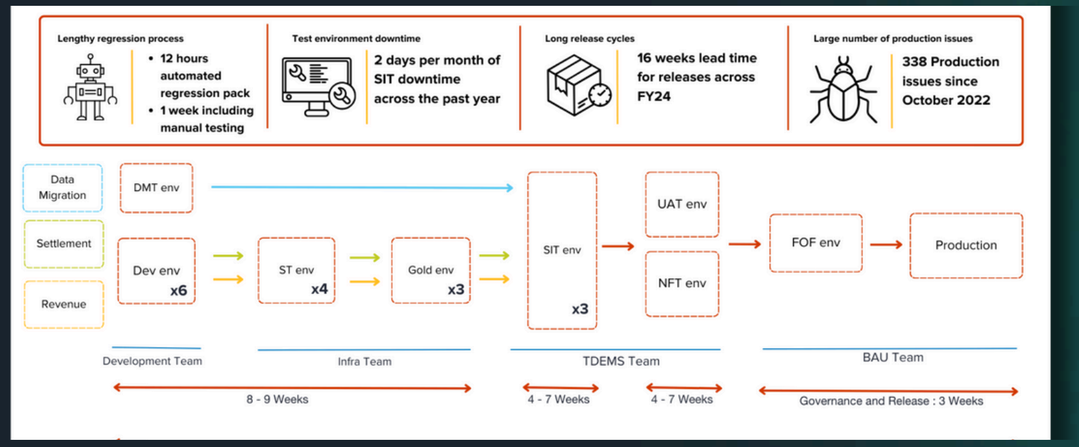
PHASE 1 - DELIVERABLES

This activity will result in the creation of 3 deliverables

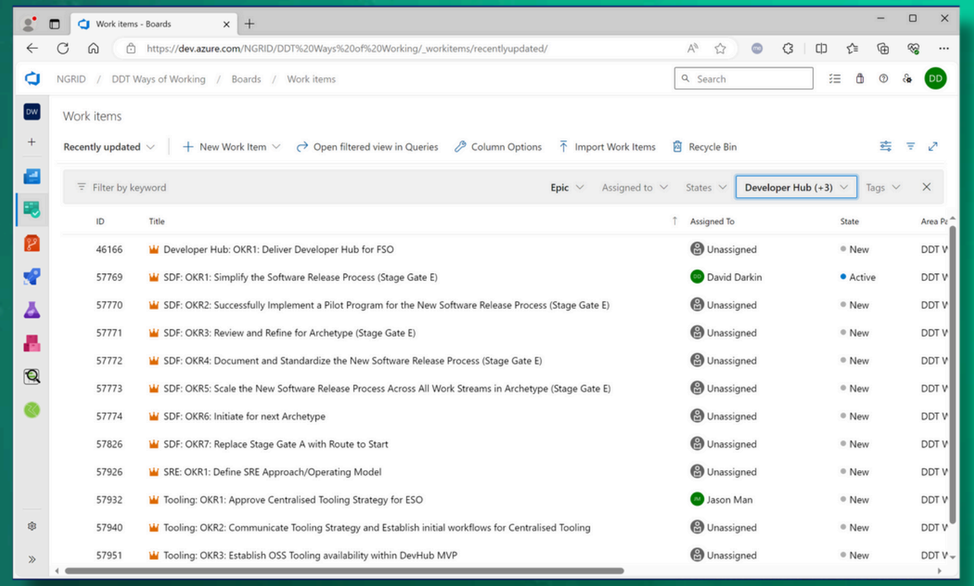
- An evidence based Route To Live Map charting the full end to end delivery model, timelines, blockages and recommended improvements.
- Engineering Score of the value stream based on the CR Engineering Framework capability metrics, used for tracking progress and reassessment.
- A metrics based enablement backlog and recommendations for how to move the program forward.



Engineering Score



Example RTL Map



Enablement Backlog

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ENABLEMENT / BUILD / DELIVERY

PHASE 2 - TRANSFORMATION BACKLOG

Phase 2 is the enablement phase. ClearRoute Engineers work with *Customer* engineers and/or partners to implement the enablement backlog in the given value stream using a 2 week sprint, iterative cadence.

Enablement deliverables vary but can consist of:

- Proof of concepts and technical spikes to demonstrate and prove the value of new technologies/concepts and approaches to solve problems e.g. Improving unit or contract testing.
- Golden Path Cloud configurations to enable teams to quickly stand up new capabilities aligned to target architecture.
- Re-engineered Cloud Platforms to reduce cost and improve scalability, reliability and performance.
- Playbooks and Templates to create a shared knowledge base and greater transparency in the ways of working and engineering standards.

Example set of common issues identified with achievable metrics that are resolved as part of enablement including but not limited to:

Reduce regression pack execution time from 12hour to < 1hour

Multiple deployments to test environments per day

Lead time reduced to 2-4 weeks

Reduce production defects to a Change failure rate 1 - 2

Accelerate the creation of new services and environments using Golden Paths

Transform monitoring and observability

50% improvement in developer experience DX, improving employee retention and engagement

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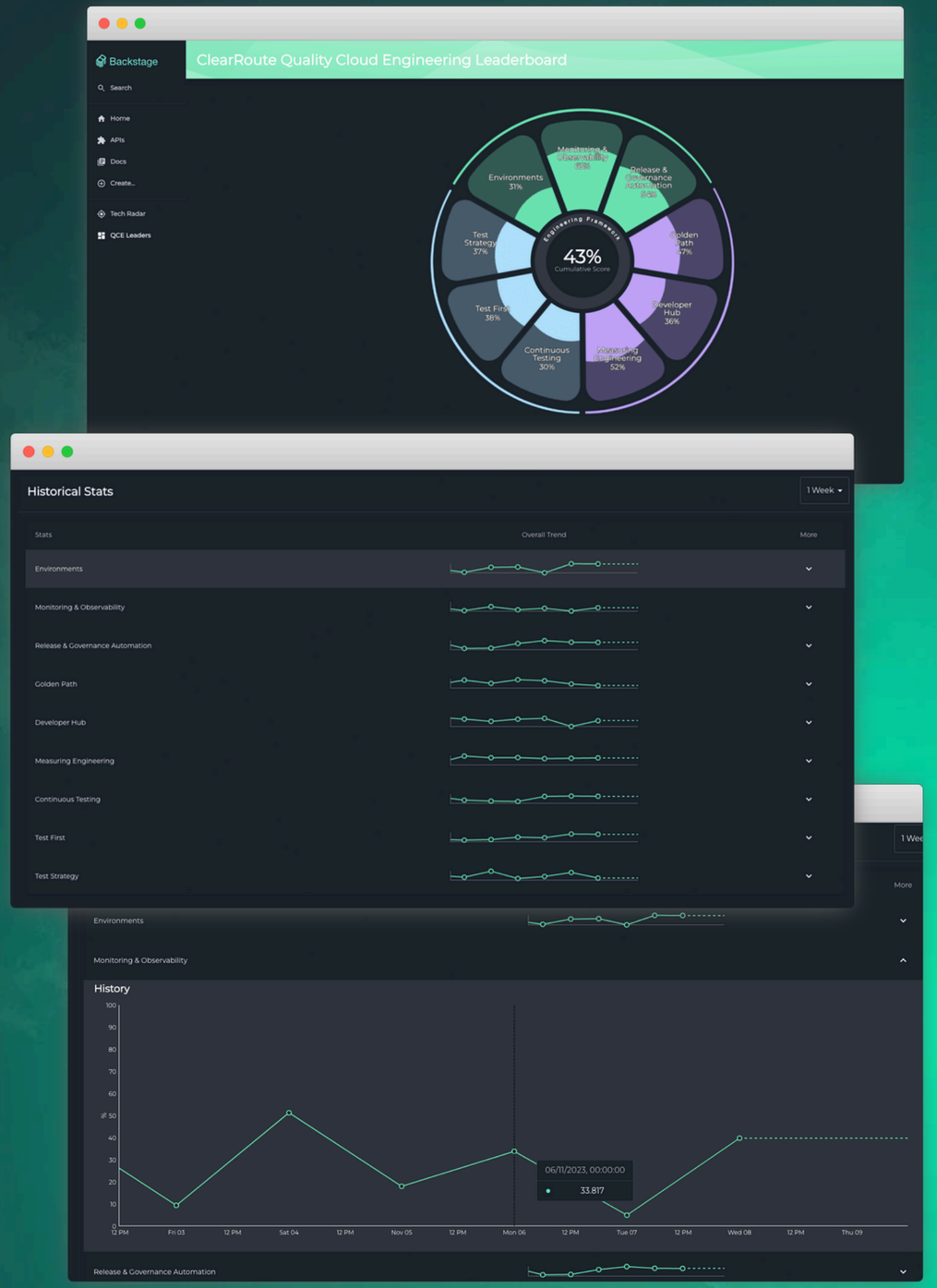
EMBED

PHASE 3 - DEVELOPER HUB

To embed the ways of working with the Engineering teams ClearRoute recommends where appropriate, the implementation of a Developer Hub. The Developer Hub / (Internal Developer Platform) becomes a central repository for both the enablement artefacts that set the standards and ways of working for Engineers including dashboards and metrics for monitoring the progress of the capability uplift.

Phase 3 encompasses the setup and delivery of the Developer Hub including the enablement content such as templates, playbooks and Golden Paths and setting up the connectors for the required dashboards. The visibility and transparency created by the developer hub for both engineers and leaders transforms the ways of work and gives true accountability to the teams for their deliverables and diminishes the risk of a “black box” approach to software delivery.



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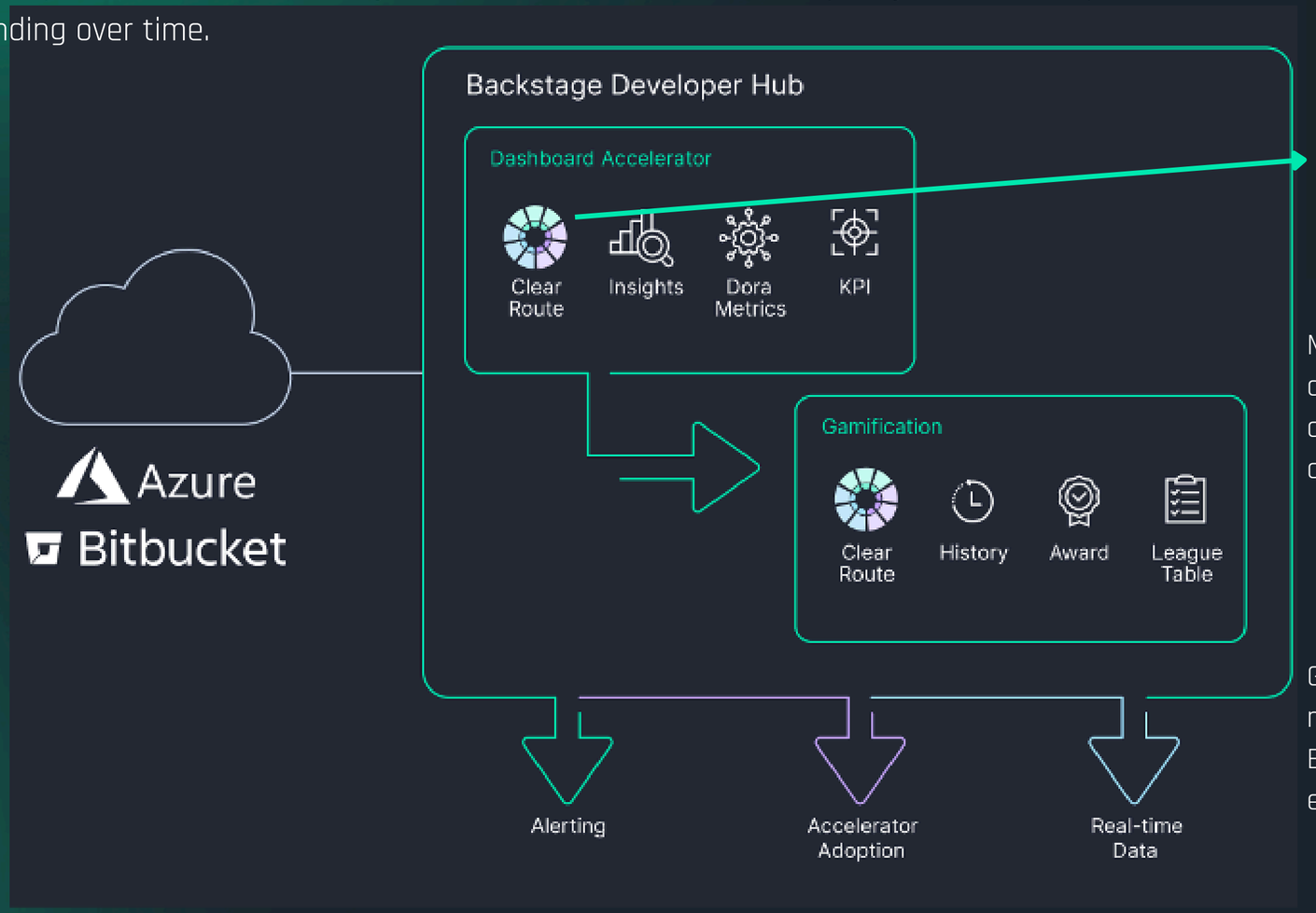
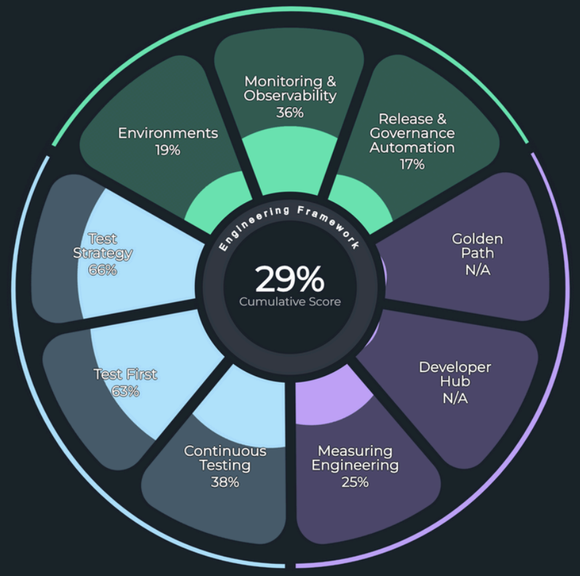
MONITOR

PHASE 4 - GAMIFICATION

The Developer Hub creates a dashboard that can be used to monitor the capability of teams. Using the embedded scoring and leaderboard we use gamification to enhance and track the capabilities of the engineering teams.
If a metric drops alerts and reports are built into the system so that leaders can react quickly to solve the problem preventing issues compounding over time.





Measure maturity as teams grow and adopt different engineering practices. Dashboards and Analytics available to understand trends and growth

Gamification improves engagement and motivation to adopt engineering practices. Being able to earn points and badges enables teams to demonstrate their growth

40% students learning in a gamified environment recall more information

*Federation of American Scientists

14% higher scores on skill-based knowledge assessments

*university of Colorado

17% more likely to achieve training goals using gamified training program

*university of California

A GLOBAL SOFTWARE ENGINEERING FIRM

110+ EMPLOYEES

UK, LONDON, AUSTRALIA, SYDNEY, BULGARIA, SOFIA, INDIA, PUNE (USA OPENING SOON)

FOUNDING TEAM TOGETHER FOR 10+ YEARS

KEY PARTNERSHIPS GITLAB, BACKSTAGE, AWS, LACEWORK, GCP , HARNESS, AZURE

FEWER CLIENTS MORE ATTENTION

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THANK YOU

ClearRoute Public Sector Partner Lead - Biagio.napoli@clearroute.co.uk