



NASSAR
DEVOPS ASCEND

WHO IS NASSTAR?

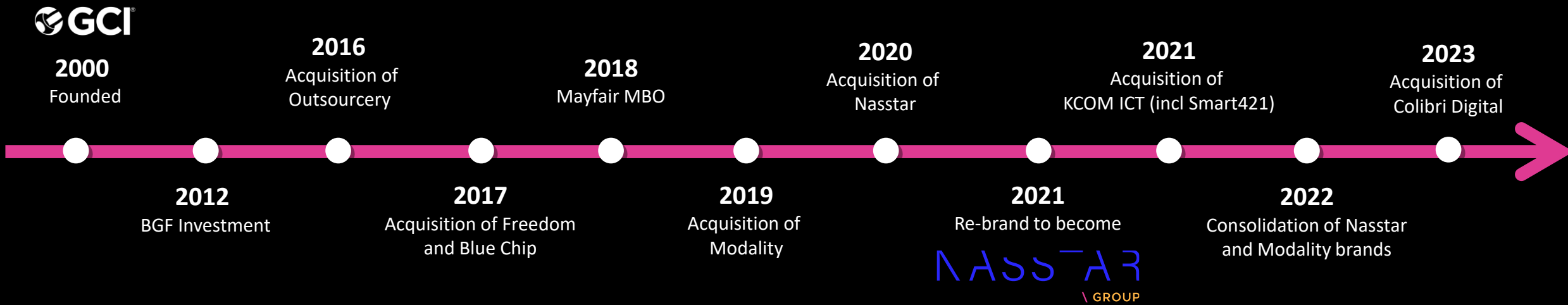
NASSTAR IS A CLOUD SERVICES SPECIALIST

As an agnostic cloud-first solutions provider, our mission is to serve our customers as a trusted partner to address any or all elements of their cloud technologies and services requirements, to drive business outcomes.



OUR JOURNEY

Originally known as GCI until a rebrand in March 2021, Nasstar has been built up through numerous mergers and acquisitions.



Annual GCI revenues: **£48m**



Annual revenues: **£240m**

NASSTAR CLOUD SERVICES: PROFILE SNAPSHOT

OUR CUSTOMERS



ACCREDITATIONS AND AWARDS

8 Microsoft Advanced Specialisations

2021 Microsoft Partner of the year Finalist



2020 winner of SC Awards 'Best Managed Security Service'



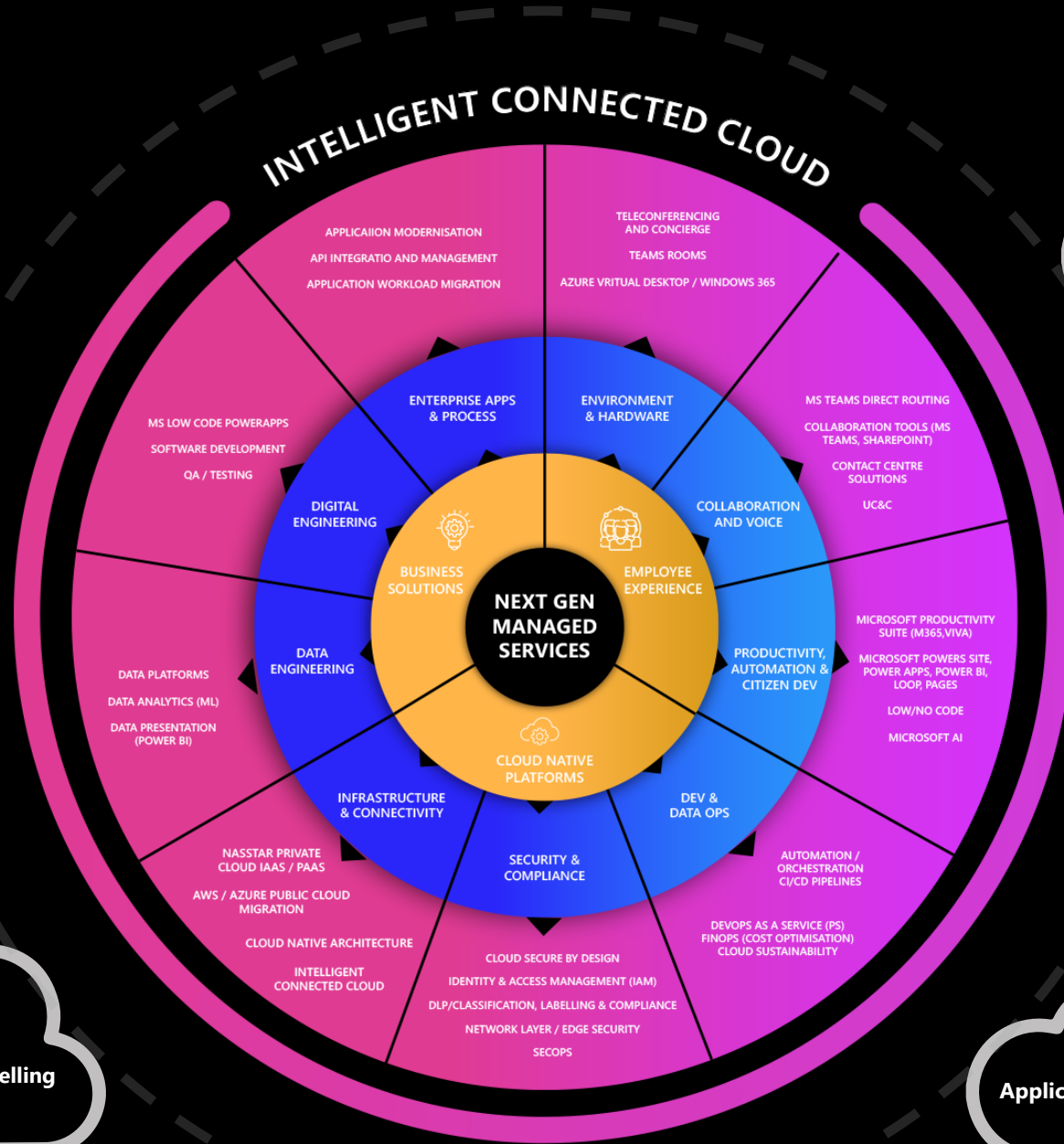
OUR EXPERTISE

- 1100+ employees
- Over 700 experienced architects and engineers
- 1 Global 24 x 7 Service Operations Centre
- £240 million revenue
- 5 UK based offices
- Transforming customers in Private and Public Sectors
- Highest level of Public Cloud partner status with Microsoft
- ISO 2007, 20000, 14001 & 9001 accredited and PCI-DSS Certified
- Outstanding Customer Service CSAT 9.5/10

OUR CLOUD SERVICES

Colibri Digital advanced specialisation

PaaS and SaaS modelling



Enhancing Employee Experience

Unpacking Microsoft Copilot capabilities

Application Modernisation



**NASSTAR ASCEND:
A DEVOPS PARTNERSHIP**



PLAN

Requirements gathered and product backlog defined.



DEVELOP

Development & SCRUM ceremonies commence.



BUILD

PRs raised with automated testing frameworks to validate bug-free code.

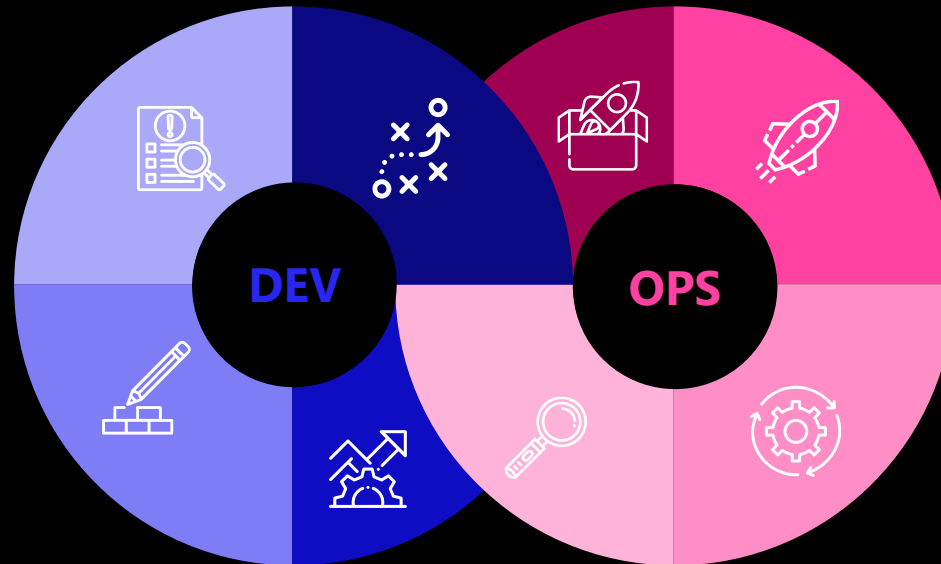


TEST

Application is deployed to test environment, complimented with IaC. Manual & automated testing commences.

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What is DevOps?



RELEASE



Build is **ready** for deployment into **Production**. Feature flags may be used to toggle new functionality

DEPLOY



Production deployment with chosen deployment strategy.

OPERATE



Functionality in the hands of the users, system auto-scales to meet demand, **continuous feedback** cycle begins.

MONITOR



Application, infrastructure and pipeline monitoring tracks usage, errors and other metrics.



PLAN

DevSecOps requirements gathered, planning for activities like threat modelling & change impact analysis.



DEVELOP

Implement practices such as static code analysis and pre-commit hooks.



BUILD

Automated security analysis of any build artifacts, leverage methodologies like SAST.

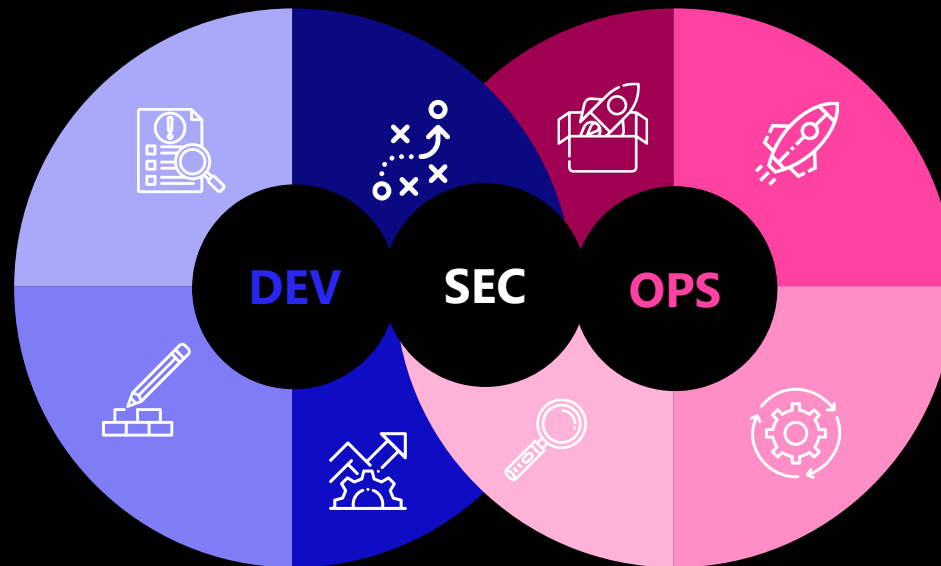


TEST

Once QA environments have been deployed automated DSAT testing should be considered for key resources such as APIs.

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What is DevSecOps?



RELEASE



Validate & examine environment configuration, automated validation of UAC, firewall rules and data management.

DEPLOY



Consider reliability validation with chaos engineering and conduct penetration testing.

OPERATE



Always leverage IaC to ensure consistent secure deployments of your infrastructure.

MONITOR



Continuous monitoring with realtime data and ITSM integration ensures any issues and/or exploits are detected.

WHY DEVOPS?

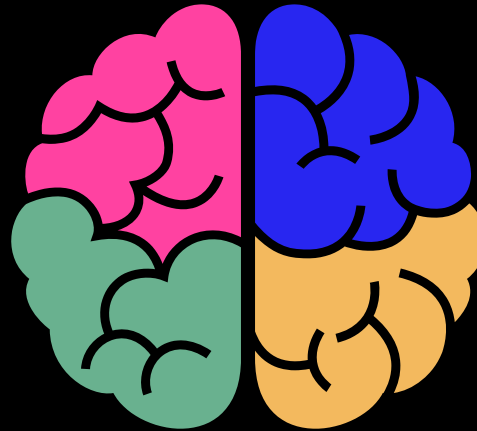
What can this engagement help me achieve?

FASTER CYCLES & INCREASED PRODUCTIVITY

By removing the gap between the previously siloed Dev+Ops teams. The SDLC and go-live cycle is drastically reduced. With the automation of deployment pipelines there is no more waiting for your MSP to spin up hardware to release to production.

COST SAVINGS

DevOps facilitates an increased number of releases and deployments per month/year. Process automation and continuous testing reduces downtime and operation costs. No more costly service requests to your MSP for that SQL server.



INCREASED PRODUCTIVITY

By no longer worrying about having to provision infrastructure, conduct manual testing and all the other legacy concerns of the past, your team can focus their efforts on their core priorities.

REDUCED FAILURES & INCIDENTS

DevOps provides continuous testing throughout your entire release lifecycle from DEV/QA to Production, ensuring no pesky bugs find their way into your production environment.

WHAT DID WE DO BEFORE DEVOPS?

Software development teams delivered features and functionality by adopting the 'Waterfall Model'.

INFLEXIBILITY

Difficult to make changes in this sequential nature, doesn't encompass continuous improvement and development. Infrastructure may be provisioned as a one-time activity and managed by a separate team whilst the development team focuses on dev work.

DELAYS & PROVISIONING CONSTRAINTS

Historically, the journey to production could take months, due to lengthy lead times for resource provisioning.

INEFFICIENT

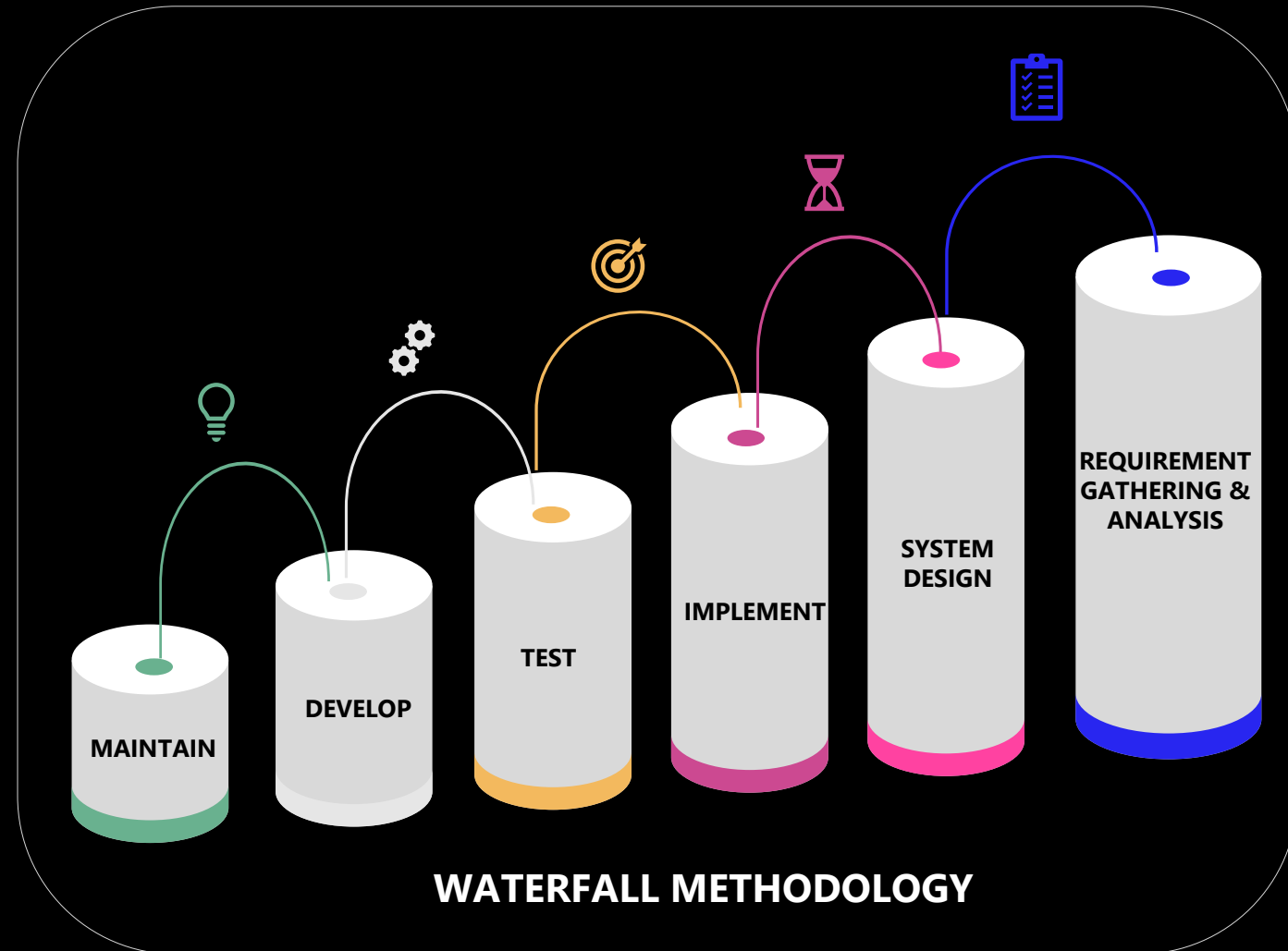
Since this approach is sequential, few efforts are conducted in parallel.

LIMITED COLLABORATION

Since this approach is sequential, few efforts are conducted in parallel.

DELAYS TESTING

With Agile & DevOps we are continuously testing through each feature branch and environment; this means bugs are caught early. Waterfall saves testing to step 4/6, meaning large revisions and updates/bug fixes could add severe delays to the project.



THE NASSTAR DEVOPS PRINCIPLES



COLLABORATION & COMMUNICATION

Team members need to work together and share responsibilities, cross-function communication is imperative to ensure alignment on requirements, goals and challenges. All engagements will be interactive and inclusive, with all stakeholders. We use tooling such as Figma to drive productive outcomes.



AUTOMATION

To ensure teams can ship functionality as fast as possible, there should be no/low levels of TOIL and manual activity. Environments should be provisioned as code and testing should be automated.



CONTINUOUS IMPROVEMENT

Applications, infrastructure and pipelines should be monitored in real-time to ensure constraints, bottlenecks and issues can be addressed promptly.



CONTINUOUS MONITORING

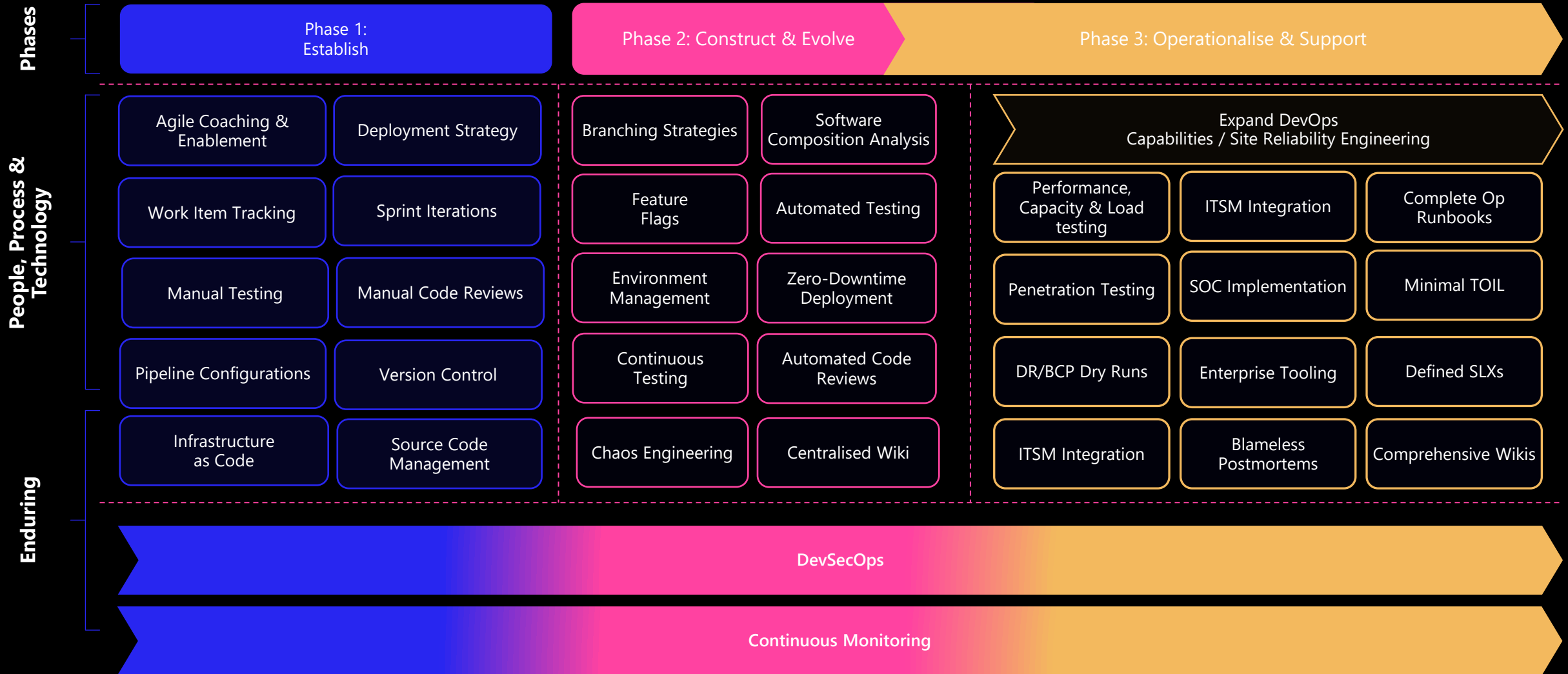
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FAILURES

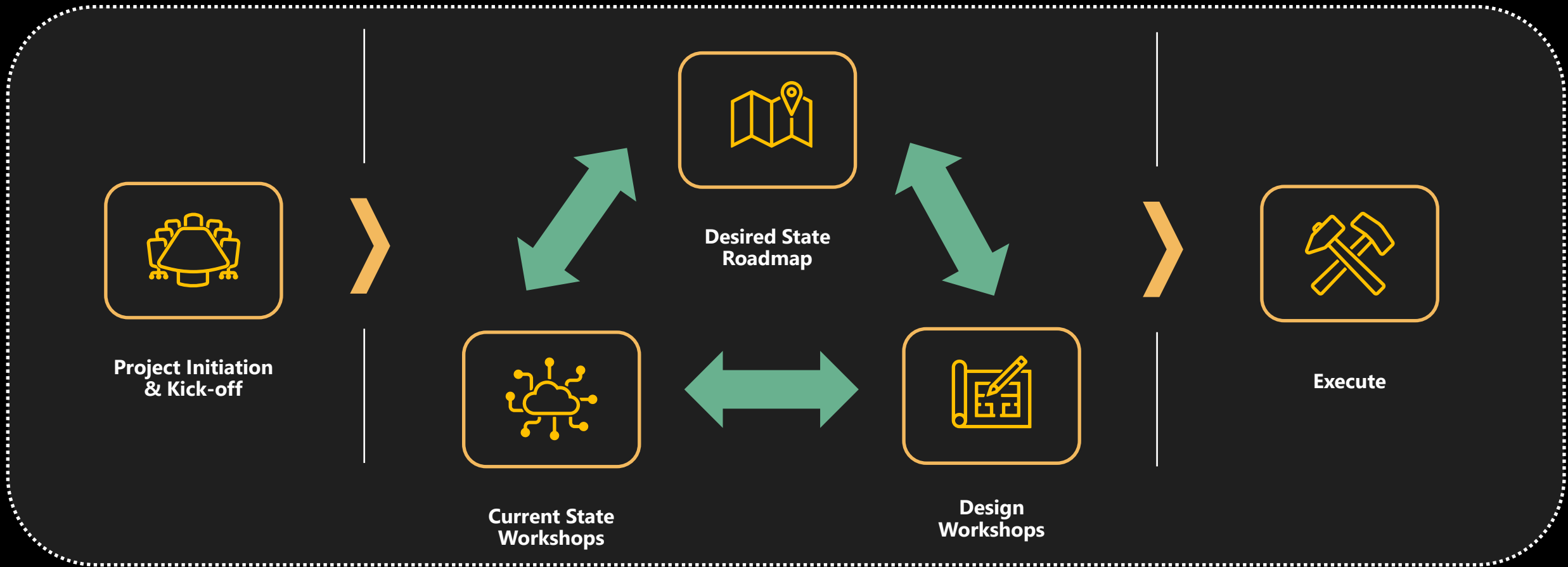
Use failure as an opportunity to learn and improve, adopt a blameless culture and conduct postmortems.

HOW NASSTAR CAN SUPPORT YOUR DEVOPS JOURNEY?

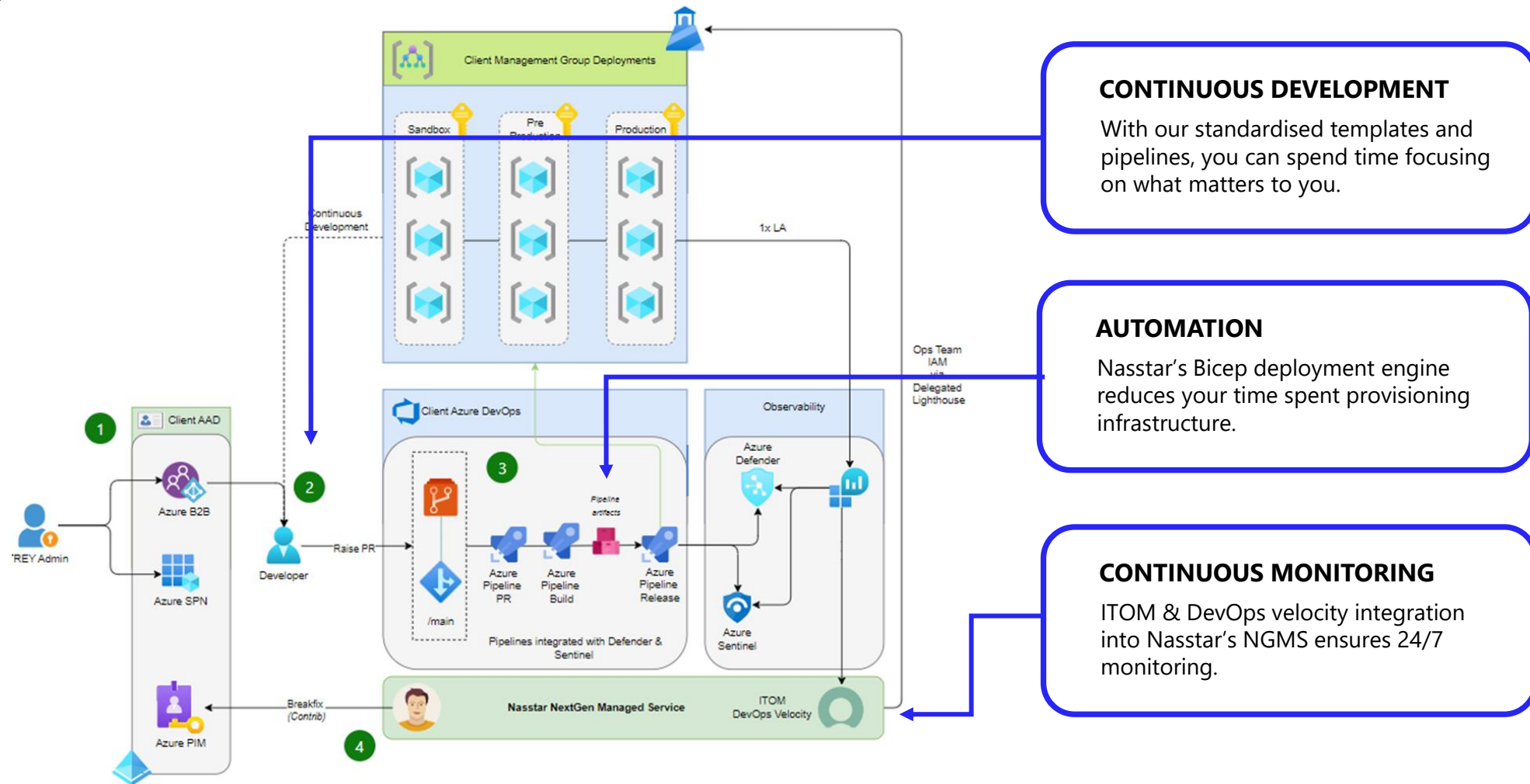


OUR APPROACH

STAKEHOLDER ENGAGEMENT: Product Managers, Tech Leads, Solution Architects, Developers, Analysts, etc.



OUR ACCELERATORS – DEPLOYMENT ORCHESTRATION



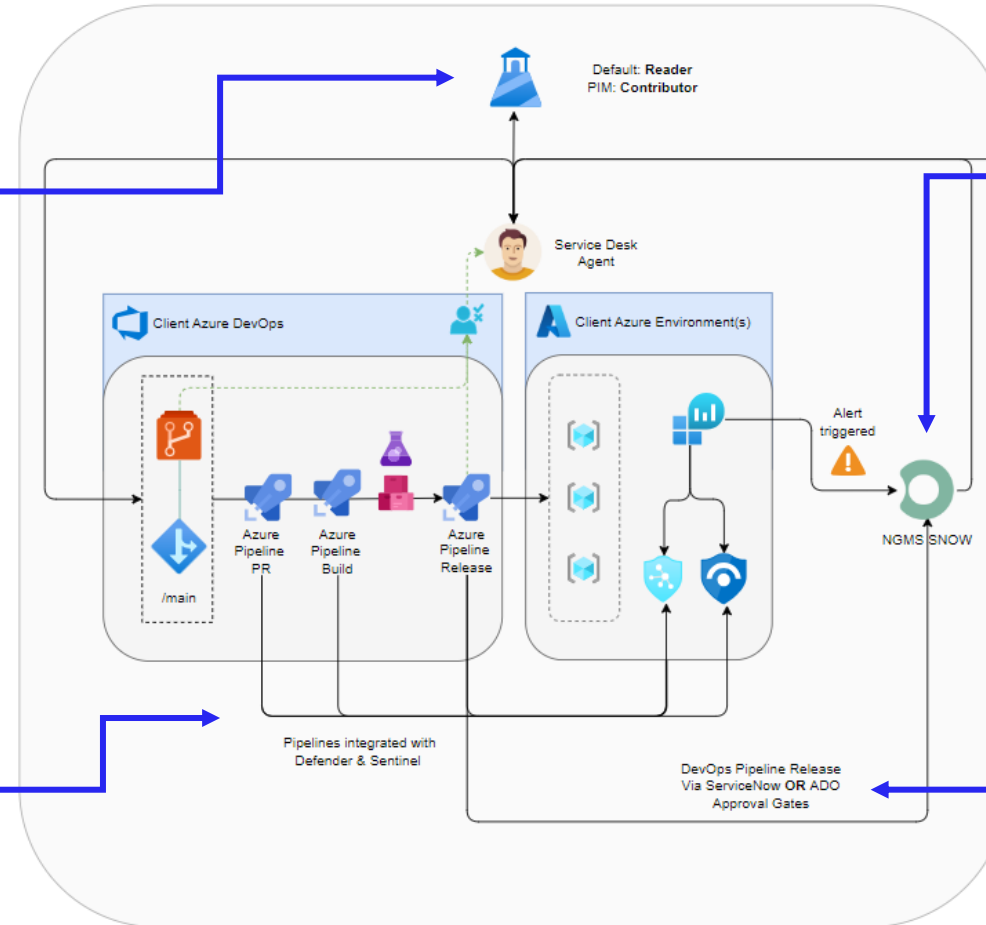
OUR ACCELERATORS – BAU SUPPORT

LEAST PRIVILEGE

IAM is granted at 'Reader', with PIM approval for 'Contributor';

CI / CD

Our Service Desk ensures any infrastructure changes are made via made via Infrastructure As Code with CI/CD, to prevent config drift.



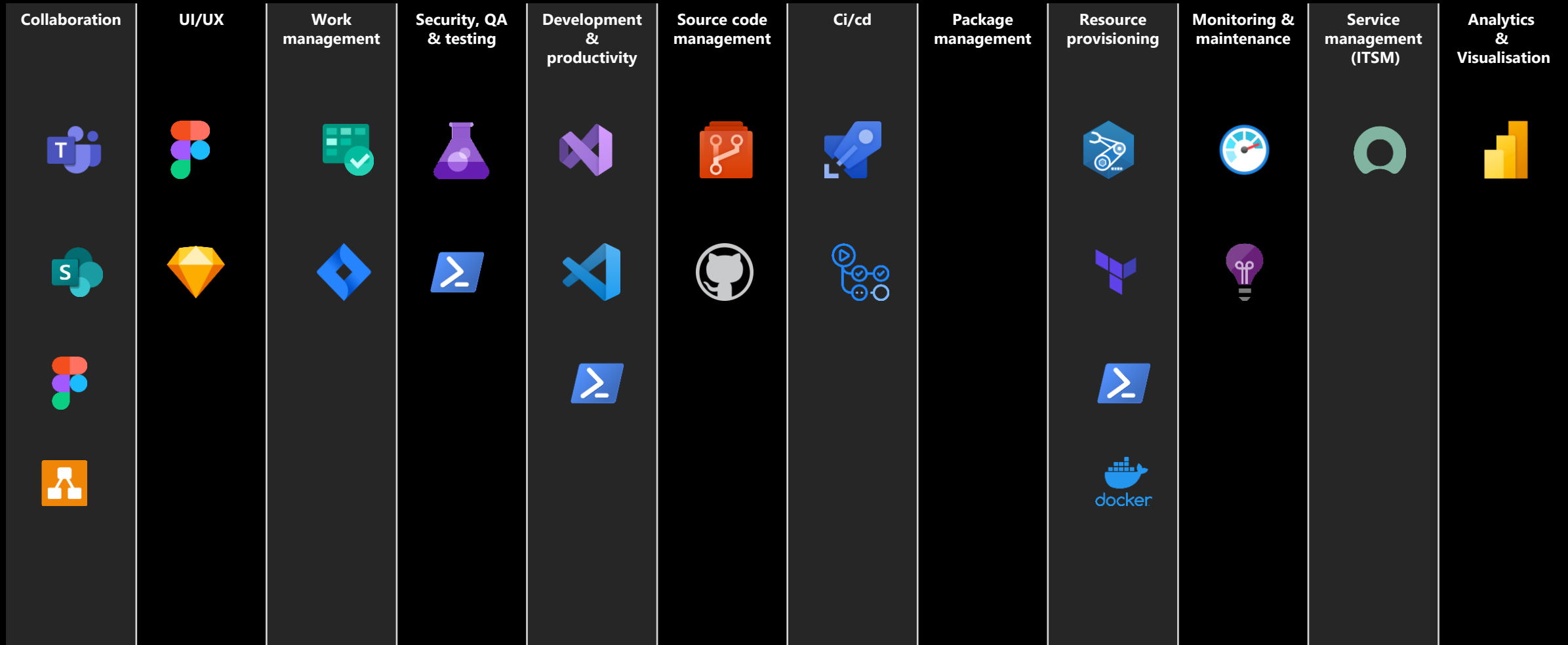
CONTINUOUS MONITORING

Automated Azure monitoring / alerting ingested into ITSM SNO.

GOVERNANCE

Change Management applied on Production pipelines by ADO approval stage gates, with ITSM SNO integration. This ensures changes are approved in ITSM before release.

ENTERPRISE TOOLING - EXAMPLE




COMMERCIALS

This engagement is tailored to suit your organisational requirements. Nasstar understands all teams have varying levels of DevOps maturity. We'll work with you to ensure that the basis of this engagement and key areas of focus align closely with your DevOps strategy and roadmap.



 Identify Key Areas Of Focus

 Validate Key Areas Of Focus and define an engagement strategy

 Scope time & effort required

 Nasstar Ascend – Engage

Given the flexibility of this engagement, all commercials will be estimated on a Time & Materials basis. Quotes will be based on X number of hours over a given period, aligned to your key areas of focus.

NEXT STEPS

WE WILL WORK WITH YOU TO DECIDE ON THE BEST ADOPTION ROUTE FOR YOUR BUSINESS AND PLAN YOUR DEVOPS ADOPTION.

- // We will have further collaboration with you and key stakeholders to further refine the engagement.
- // We will work with you to plan workshop sessions and prepare for the engagement.
- // We will ensure continual alignment to best practices.
- // We will ensure a smooth transition to operations.

NASSAR



EXAMPLE COMPOSITION

