



Enabling developers to refocus on innovation
and eliminating operational roadblocks
with **DevOps**

The Challenges

Development

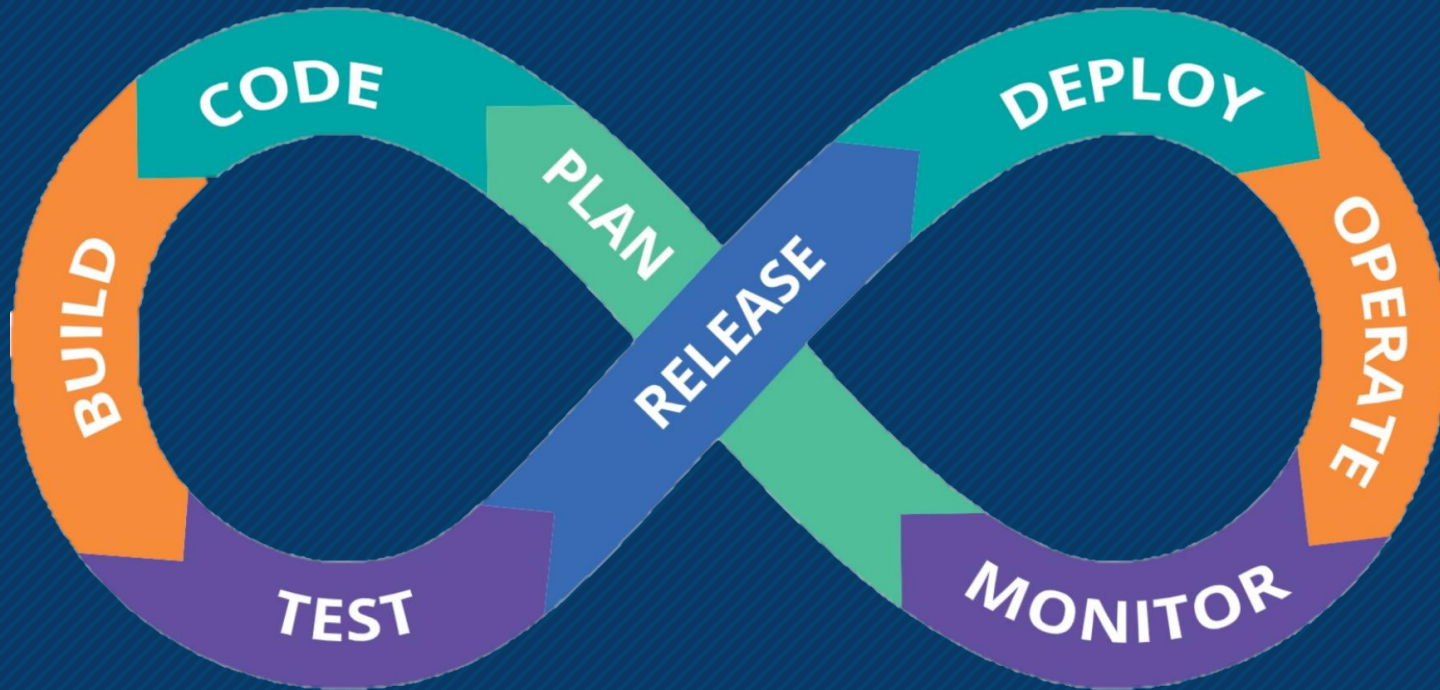


- Focusses solely on development activities
- Operational requirements are unclear between environments making the hand-over cumbersome
- Operational feedback is only retrieved after completing a release
- After releasing, developers are no longer involved

Operations



- Focusses solely on operational activities
- Operational requirements are unclear, needing ad-hoc changes to the environment
- Operational understanding and experience is gained only when the app is released
- Operators manage and control software written by others



DevOps is about removing the barriers between two traditionally siloed teams - development and operations – and reorganize them into cross-functional, autonomous teams that can work on projects from start to finish.

The DevOps Vision

Users



- Improved customer experience and greater customer satisfaction
- Increased productivity with streamlined business processes
- Higher employee engagement and satisfaction

Business



- Continuous releases and deployments
- Improved interoperability and collaboration among the teams
- Fostering innovation within the organisation

IT



- Fast and agile software development cycle
- Early defect detection and faster resolution
- Less complexity with automation

Our Solution

The Simplex Services Framework

Our Offering



End-to-end DevOps adoption...
on-prem or on the cloud



Adopting best practices and a DevOps culture within
the organisation



Leveraging our solutions to derive maximum value
from DevOps investments



Ongoing maintenance and governance throughout
the process environment

The Simplex Services Framework

- Automated provisioning of servers and containers
- Scaling out of servers and containers within minutes
- Elimination of server / container state mismatch
- Automated Container Orchestration

Infrastructure Management



- Elimination of configuration mismatch
- Automated, error-free, faster configuration deployment
- Single tool management for all environments
- Configuration of activity reports

Environment Management



- Well-tested code
- Improved code quality
- Verified artifacts ready for deployment
- High quality build and code reports

Code Inception and Continuous Integration



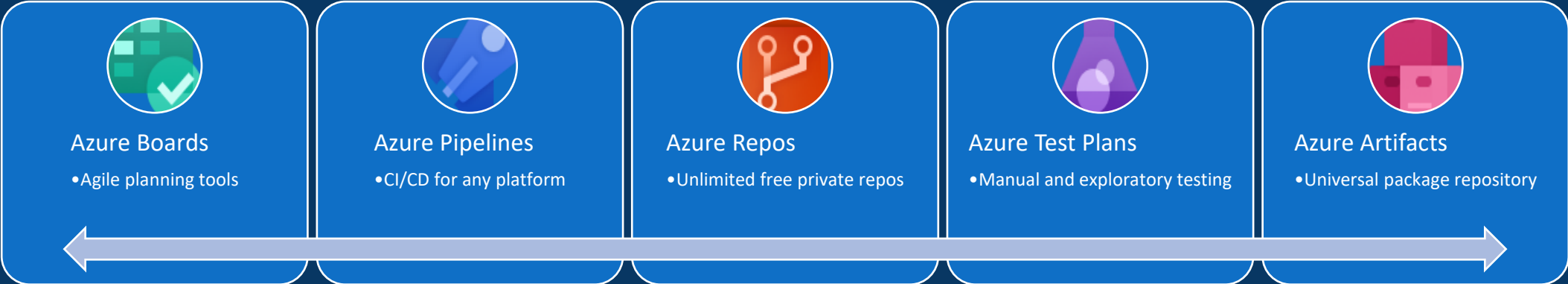
- Automated, error-free, and faster deployment
- Single click or continuous deployment
- Single-tool deploying in all environments
- Deployment metrics

Deployment Automation & Orchestration

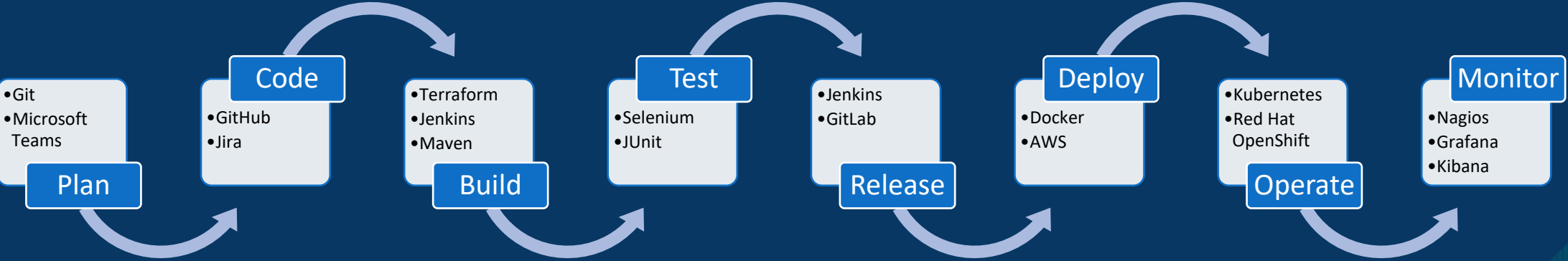


Our Toolchain

AZURE DEVOPS



ADDITIONAL TOOLSET



DevOps + Automation = Smart DevOps

CHALLENGES

HOW AUTOMATION HELPS

Dev

Spending too much time focusing on tooling required to deliver capabilities and not enough time focusing on results

- Accelerates feedback loop
- Discover bugs sooner
- Reduces risk of tribal knowledge
- Faster, coordinated and more reliable deployments

Operations

Need technology that can be used across many different groups with many different skill sets

- Reduce shadow IT
- Reduce deployment time
- Provision systems faster
- Reduce risk of tribal knowledge
- Deploy automated patching

Business

Getting to market faster

- Align IT with the business
- Increase time for innovation and strategy
- Reduce costs of on-boarding new team members
- Increase cross-team collaboration

Our Metrics

Deployment size

Deployment frequency

Deployment time and Application availability

Automated tests pass %

Defect escape rate and Failed deployments

Application performance, usage, and traffic

Mean time to detection

Mean time to recovery