



# moveIT

Enterprise DevOps- Build and deliver better software faster

6 JUNE | Kristof Goossens





# Why Enterprise DevOps?

**Build on what  
works**  
by bridging old and  
new technologies.





**Reduce operational friction** by improving visibility and automating as much as possible.

**Boost business  
confidence** by  
engineering quality  
and security into  
every application.





**Deliver better outcomes** by leveraging analytics across the DevOps toolchain.

# Micro Focus Enterprise DevOps

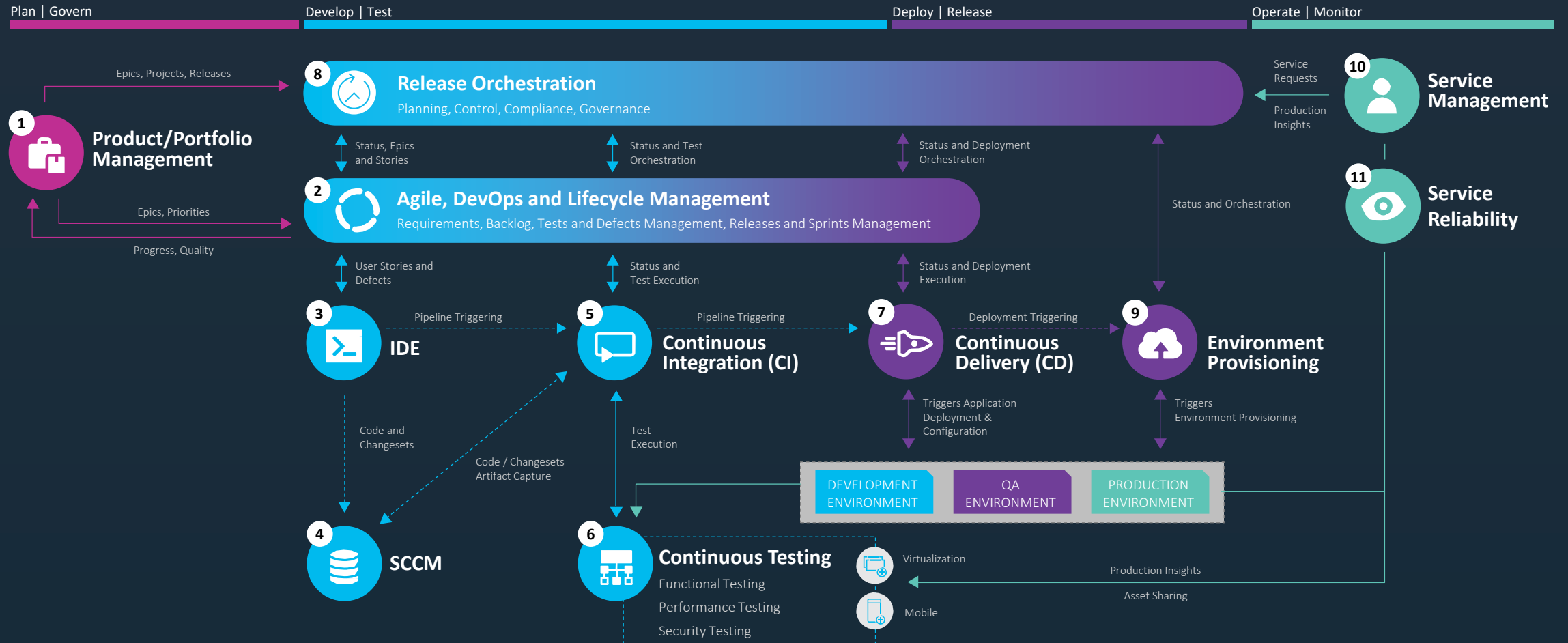
**Transform** the way you plan, build, test, release, and operate applications.







# Application Delivery with Micro Focus



# Micro Focus enables DevOps at enterprise scale

Plan/Govern

**Optimize**  
Value  
Streams

Develop/Test

**Continuous**  
Quality &  
Security

Deploy/Release

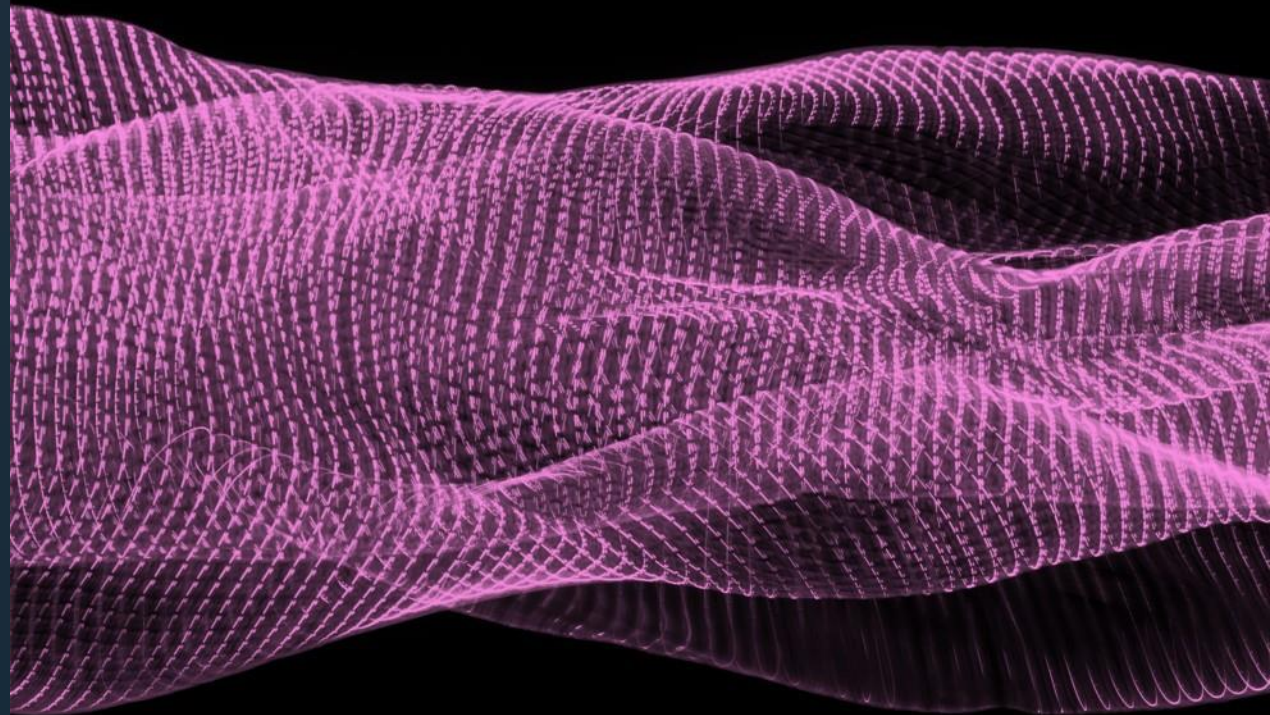
**Accelerate**  
Delivery

Operate/Monitor

**Increase**  
Service  
Reliability



# Optimize Value Streams



# Product/Portfolio Management

Plan | Govern

Develop | Test

Deploy | Release

Operate | Monitor



## Product/Portfolio Management

Record business demands and ideas, align with strategic priorities, track actual costs, and collectively manage projects with **Project & Portfolio Management (PPM)** to ensure projects are delivered on-time and on-budget.



### Project and Portfolio Management

PPM offers integrations with other Micro Focus products and third-party products, such as:

- Atlassian JIRA
- CA Agile Central (Rally)
- VersionOne

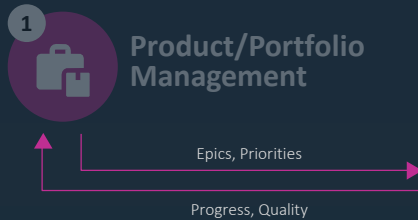
# Agile, DevOps and Lifecycle Management

Plan | Govern

Develop | Test

Deploy | Release

Operate | Monitor



## 2 Agile, DevOps and Lifecycle Management

Requirements, Backlog, Tests and Defects Management, Releases and Sprints Management

### Agile, DevOps and Lifecycle Management

Manage backlogs, user stories, requirements, defects, and overall quality coupled with real-time collaboration, cross-project visibility, and insights. Use **ALM Octane** for lean, Agile and DevOps, and **ALM/Quality Center** for traditional management.

Configure and maintain integrations using **Micro Focus Connect** as an extensible framework.

Reuse requirements with **Dimensions RM** to manage change across tools, teams and releases for complex development projects.



These solutions offer integrations with other Micro Focus products and numerous third-party products.

Users may expand their integrations to applications of their choice by using REST API, OData, and SDKs.

Additional integrations are also available in the [Micro Focus AppDelivery Marketplace](#).

# So value streams become business drivers

## Reduce Time to Market

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Project and Portfolio  
Management

“ ....gain visibility and transparency, reduce risk, make better decisions, deliver more business value and lower the total cost of operations.... Smart has doubled the number of services we are able to make to market. “

### Smart Communications

Telecommunications company  
Philippines

## Increase Agility

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ALM  
ALM Octane

“ We will no longer think in millions of test cases, but rather in billions. We’ve worked closely with Micro Focus to create an agile platform capable of managing large data volumes. We have more than 40,000 users, and this is central to the success of over 1,000 projects. “

### Large Automobile Manufacturer

Automotive company  
Germany

## Maximize Return on Investment

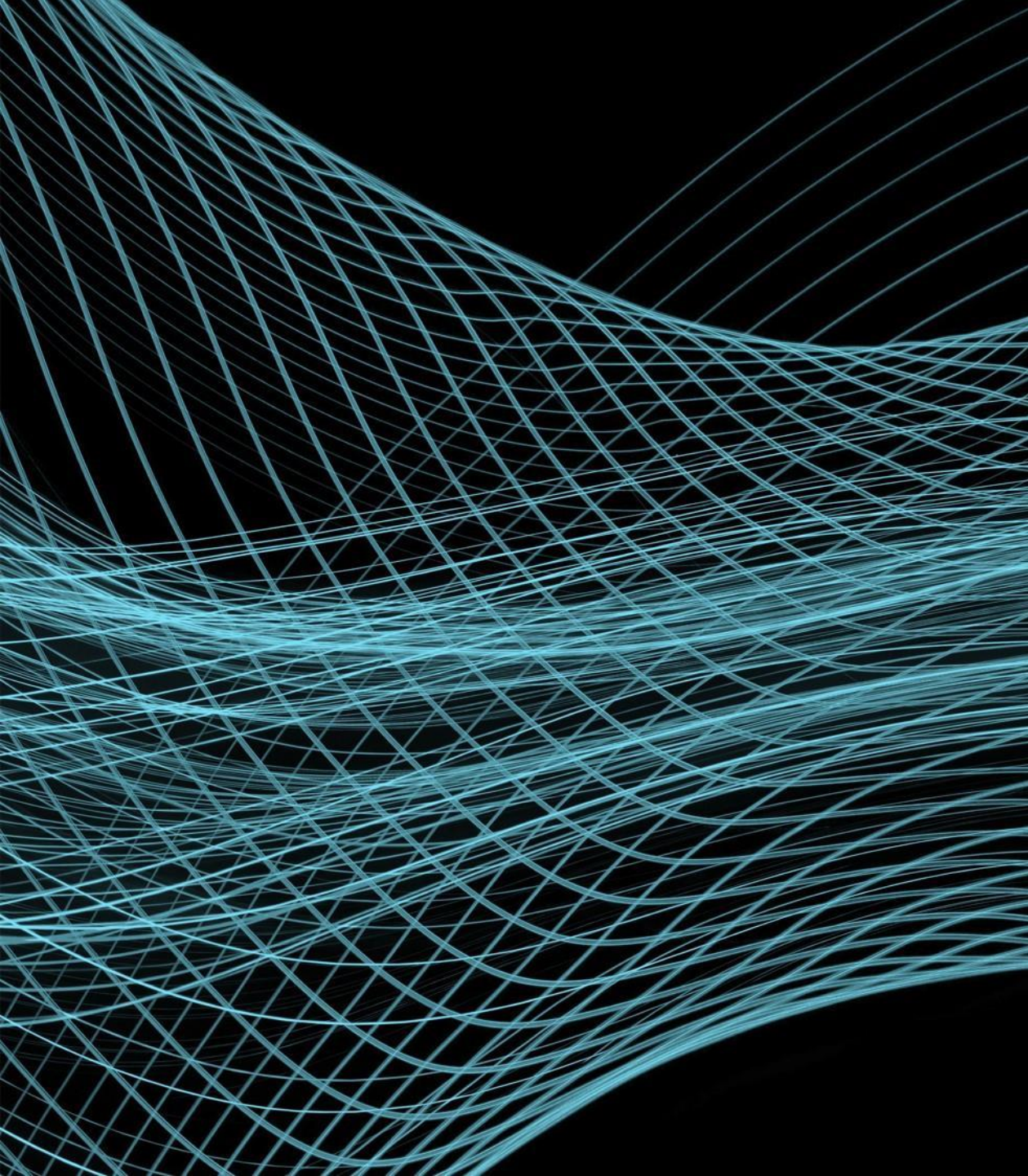
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Enterprise Analyzer

“ We recently re-hosted our relationship management application—one of the most critical ones—and Micro Focus Enterprise Analyzer enabled us to optimize the code, fix any inefficiencies and generally improve the migration phase in a really quick and easy way. “

### Sociedad Militar Seguro de Vida

Insurance Company  
Argentina



# Continuous Quality & Security

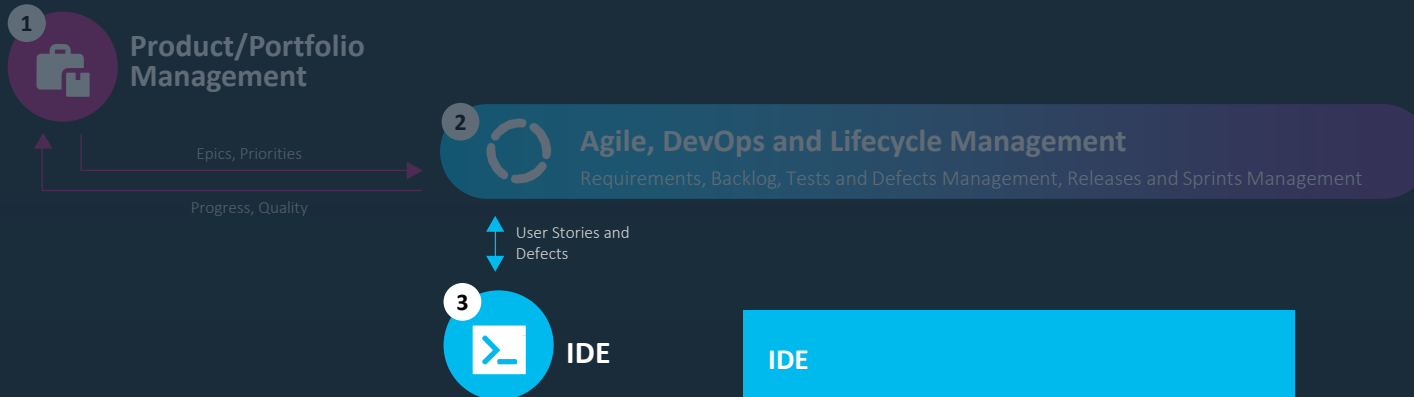
# Development (IDE)

Plan | Govern

Develop | Test

Deploy | Release

Operate | Monitor



## IDE

Tasks appear inside the developer's IDE. A developer clicks on a task to start working on it, implements the code, and pushes the changes to a Source Code & Configuration Management (SCCM) system.



**ALM Octane**



**ALM Quality Center**

These solutions offer integrations with the following development IDEs:

- IntelliJ IDEA
- Eclipse Oxygen
- Microsoft Visual Studio IDE



# Source Code & Configuration Management (SCCM)

Plan | Govern

Develop | Test

Deploy | Release

Operate | Monitor



These solutions offer integrations with the following SCM tools:

- Git
- Atlassian Bitbucket
- Microsoft Azure DevOps Server (formerly TFS)
- Apache Subversion

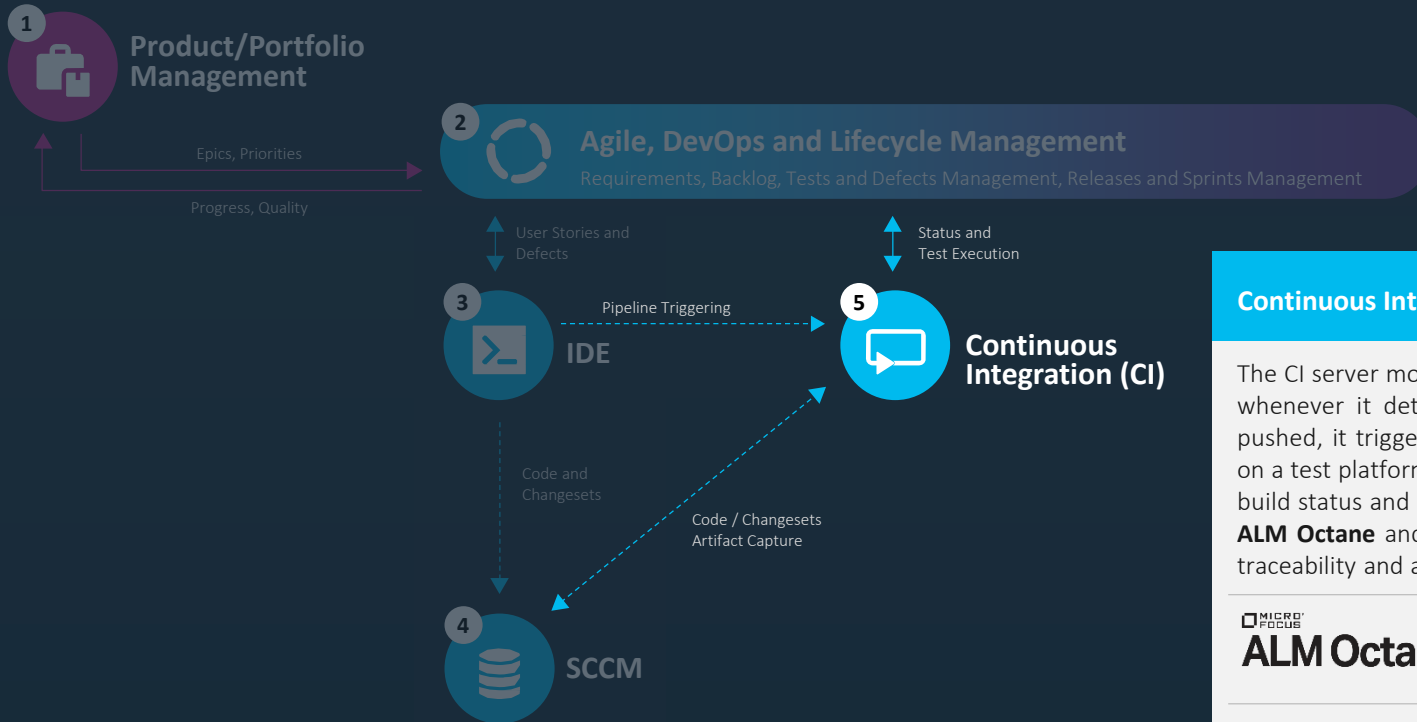
# Continuous Integration (CI)

Plan | Govern

Develop | Test

Deploy | Release

Operate | Monitor



## Continuous Integration (CI)

The CI server monitors the SCCM tool, and whenever it detects that code has been pushed, it triggers a new build, deploys it on a test platform and runs tests on it. The build status and its results are synced with **ALM Octane** and **ALM/Quality Center** for traceability and analysis.



**ALM Octane**



**ALM Quality Center**

These solutions offer integrations with the following CI servers:

- Jenkins
- TeamCity
- Atlassian Bamboo
- Microsoft Azure DevOps Server (formerly TFS)
- GitLab
- GoCD

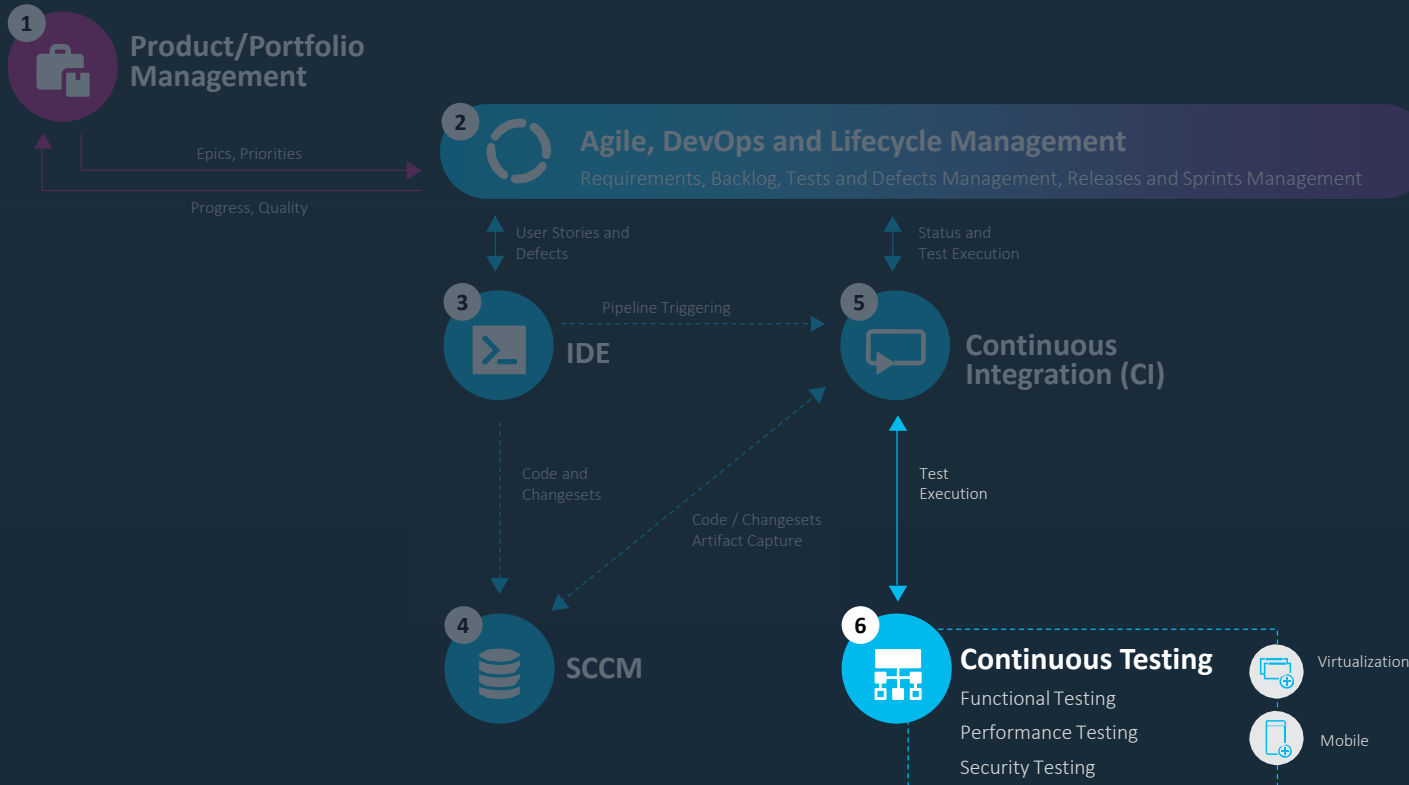
# Continuous Testing

Plan | Govern

Develop | Test

Deploy | Release

Operate | Monitor



## Continuous Testing

Automated tests are part of the CI process and are run across various operating systems and configurations

### a. Functional Tests

Automated functional tests are run by **Micro Focus' Functional testing solutions** using the on-demand lab for mobile and web tests, and leveraging existing open source scripts.

**MICRO FOCUS**  
**Unified Functional Testing**

**MICRO FOCUS**  
**LeanFT**  
**Business Process Testing**

**MICRO FOCUS**  
**Mobile Center**  
**Silk Test**

### b. Performance Tests

Large-scale, cloud-based multi-technology performance tests are run by **Micro Focus' Performance testing solutions** to detect performance bottlenecks early in development, while leveraging existing open source scripts.

**MICRO FOCUS**  
**LoadRunner**

**MICRO FOCUS**  
**Performance Center**

**MICRO FOCUS**  
**StormRunner Load**

**MICRO FOCUS**  
**Silk Performer**

### c. Security Tests

Security is embedded in the CI process through static and dynamic analysis with **Fortify** to help catch security vulnerabilities before they make it into production.

**MICRO FOCUS**  
**Fortify**

# To create amazing results

## Extend Value

### Visual COBOL

“ Our product is mission-critical for our customers. Visual COBOL has enabled us to bridge the skills gap and engage with a younger generation of developers, who are now excited about COBOL and view it as a career development opportunity. “

#### **SYSPRO**

Software/Programming services  
South Africa

## Increase Capacity

### Enterprise Test Server

“ Automated development processes have enabled a more agile development environment to support continuous integration and test automation so that any issues are found early and higher quality applications are delivered to the business. “

#### **Major Global Insurer**

Insurance company  
United States

## Fewer Errors

### Unified Functional Testing Performance Center

“ We deliver new applications and updates faster, with fewer errors, and at lower cost. We’ve reduced the amount of manual, repetitive hands-on application testing, and instead let Micro Focus solutions take the strain. This resulted in a 50% increase of automated application testing. “

#### **Large Bank**

Financial Services company  
United Kingdom

## Lower Risk

### Fortify

“ Micro Focus’s comprehensive security portfolio including Fortify has enabled us to ensure compliance, mitigate risk and reduce costs by significantly decreasing the number of vulnerabilities and automatically testing applications earlier in development. “

#### **ANZ Bank**

Financial Services company  
Australia



**Accelerate**  
Delivery



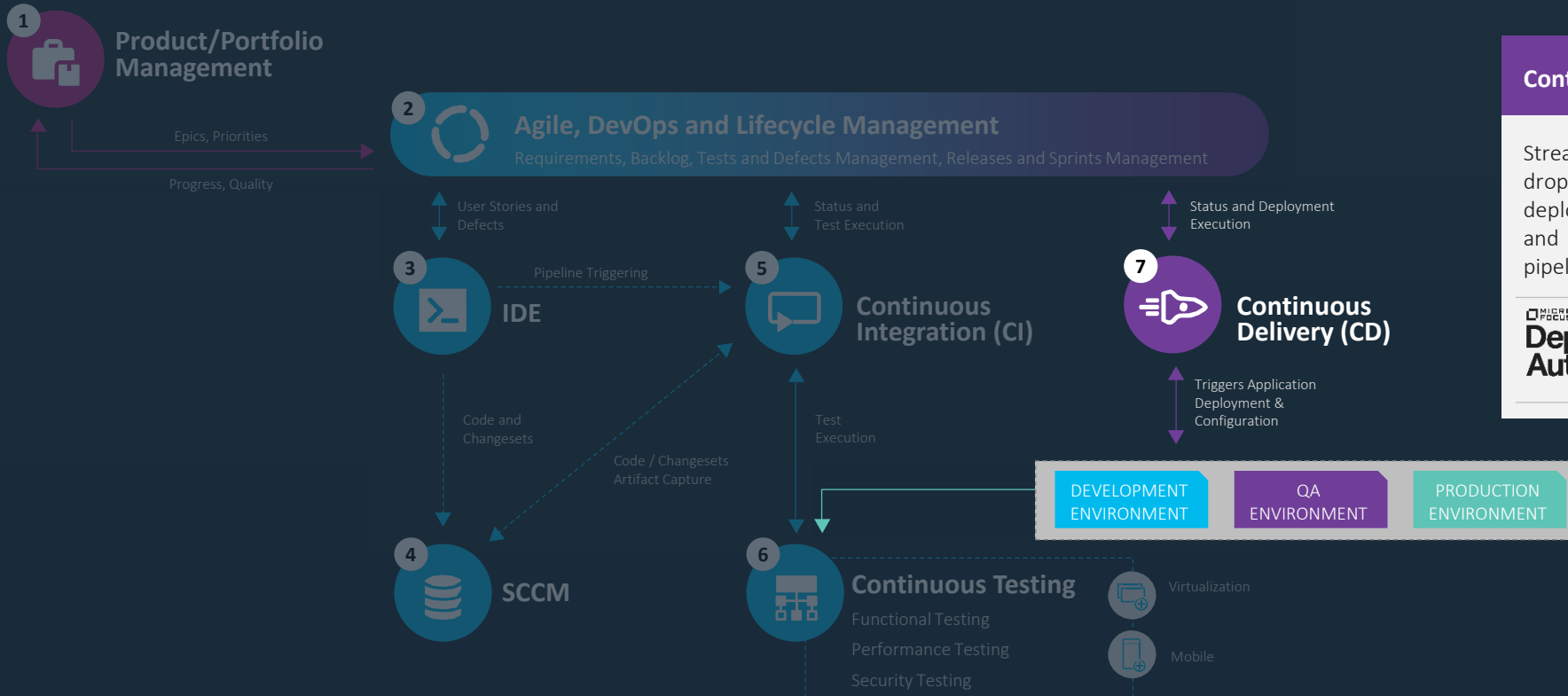
# Continuous Delivery (CD)

Plan | Govern

Develop | Test

Deploy | Release

Operate | Monitor



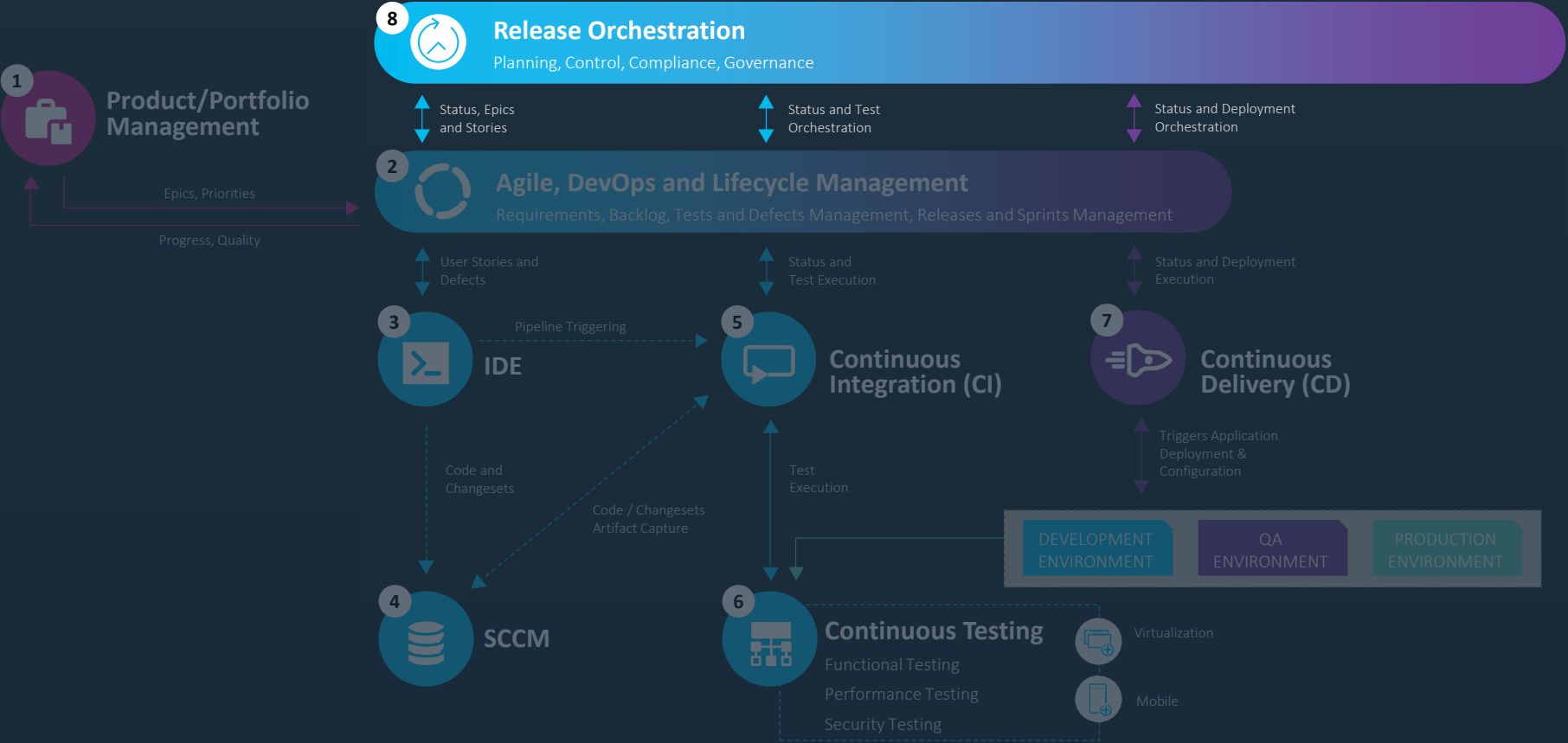
## Continuous Delivery (CD)

Streamline deployments with drag-and-drop process design, orchestrate complex deployments and fully align deployment and testing across multiple application pipelines with **Deployment Automation**.

**Deployment Automation**

# Release Orchestration

Plan | Govern      Develop | Test      Deploy | Release      Operate | Monitor



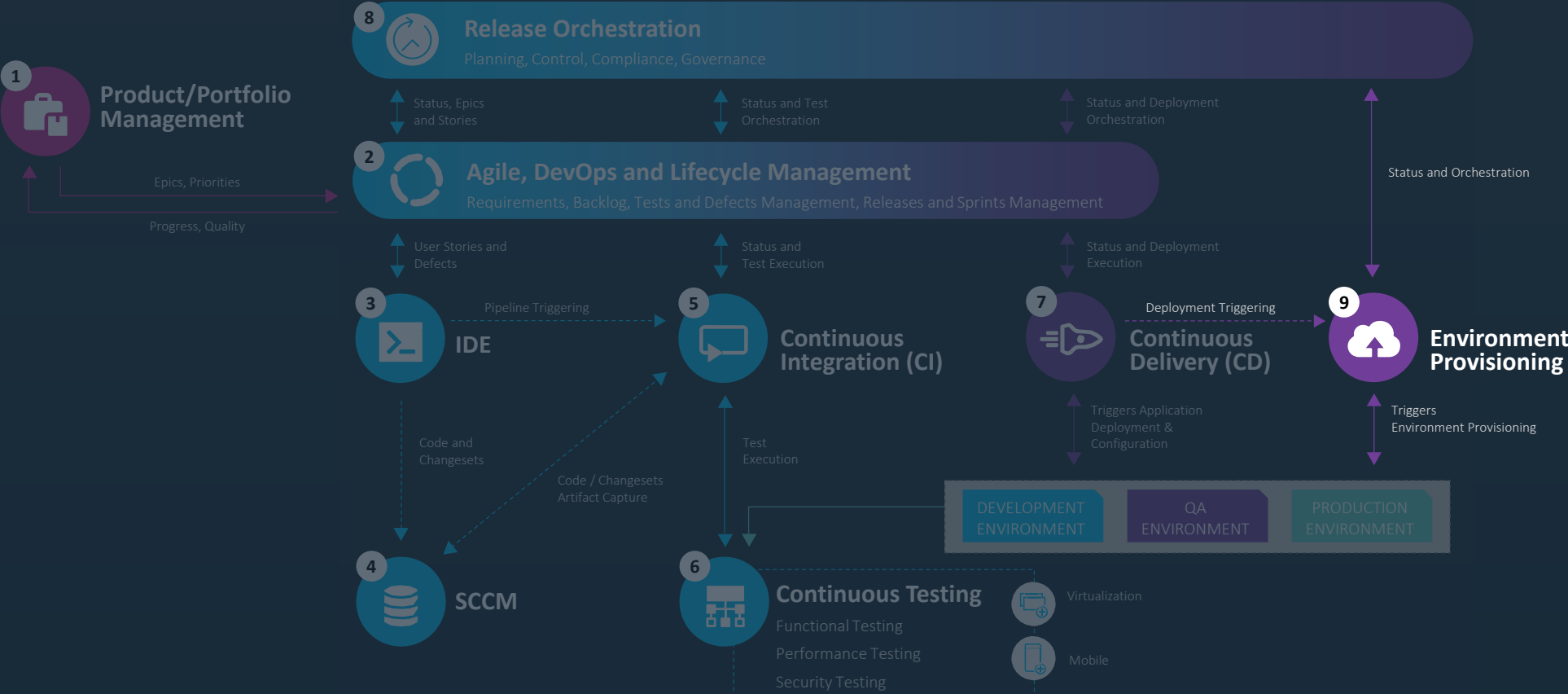
**Release Orchestration**

Use **Release Control** to track, coordinate, orchestrate and govern all aspects of enterprise IT delivery. Seamlessly integrate and gain visibility into Planning, Development, Testing, Deployment and Operations from a single point of process control.

**Release Control**

# Environment Provisioning

Plan | Govern      Develop | Test      Deploy | Release      Operate | Monitor



## Environment Provisioning

Design, deliver and manage hybrid environments using any cloud, container or infrastructure to streamline delivery using **Hybrid Cloud Management**. Easily create realistic simulations using **Service Virtualization** and **Network Virtualization**.

- Hybrid Cloud Management
- Service Virtualization
- Network Virtualization



# To track releases all the way to production

## Orchestrate Releases

### Release Control

“ Micro Focus is helping us be more innovative and much more responsive to evolving customer requirements. We deliver new applications and updates faster, with fewer errors, and at lower cost. This resulted in a 50% increase of automated application testing. “

#### **Large Bank**

Financial Services company  
United Kingdom

## Reduce Errors

### ChangeMan ZMF

“ Our time to market has improved considerably in some cases. For example, when dealing with noncritical production defects, we have recognized 50% in time to market improvements. What took six months before, now takes us three. “

#### **Global Investment Firm**

Financial Services company  
United States

## Speed Up Deployment

### Deployment Automation

“ Firstly we have significantly reduced human errors, and quality standards are being met. Secondly, we are fully in line with audit requirements: the deployment process is measurable, repeatable and auditable. “

#### **Generali France**

Insurance company  
France

## Multi-Cloud Management

### Hybrid Cloud Management

“ We chose Hybrid Cloud Management (HCM) because we have a pretty fast time to deliver and they have pre-configured products which makes my time to market faster. Also they work very well with other... Now we can control Public Cloud + Managed Hosted Servers + In House Servers (Private Cloud). “

#### **JC Global**

Industrial Company  
United States



# Increase Service Reliability

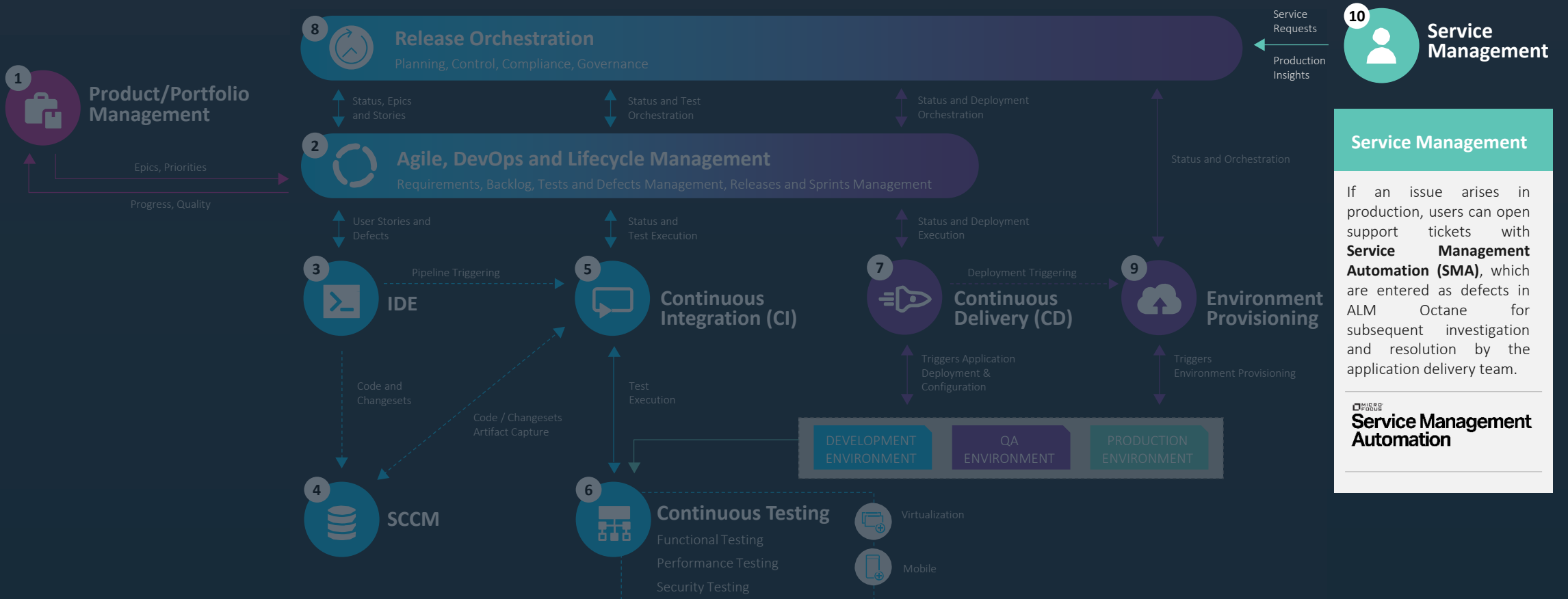
# Service Management

Plan | Govern

Develop | Test

Deploy | Release

Operate | Monitor



**Service Management**

If an issue arises in production, users can open support tickets with **Service Management Automation (SMA)**, which are entered as defects in ALM Octane for subsequent investigation and resolution by the application delivery team.

**Service Management Automation**

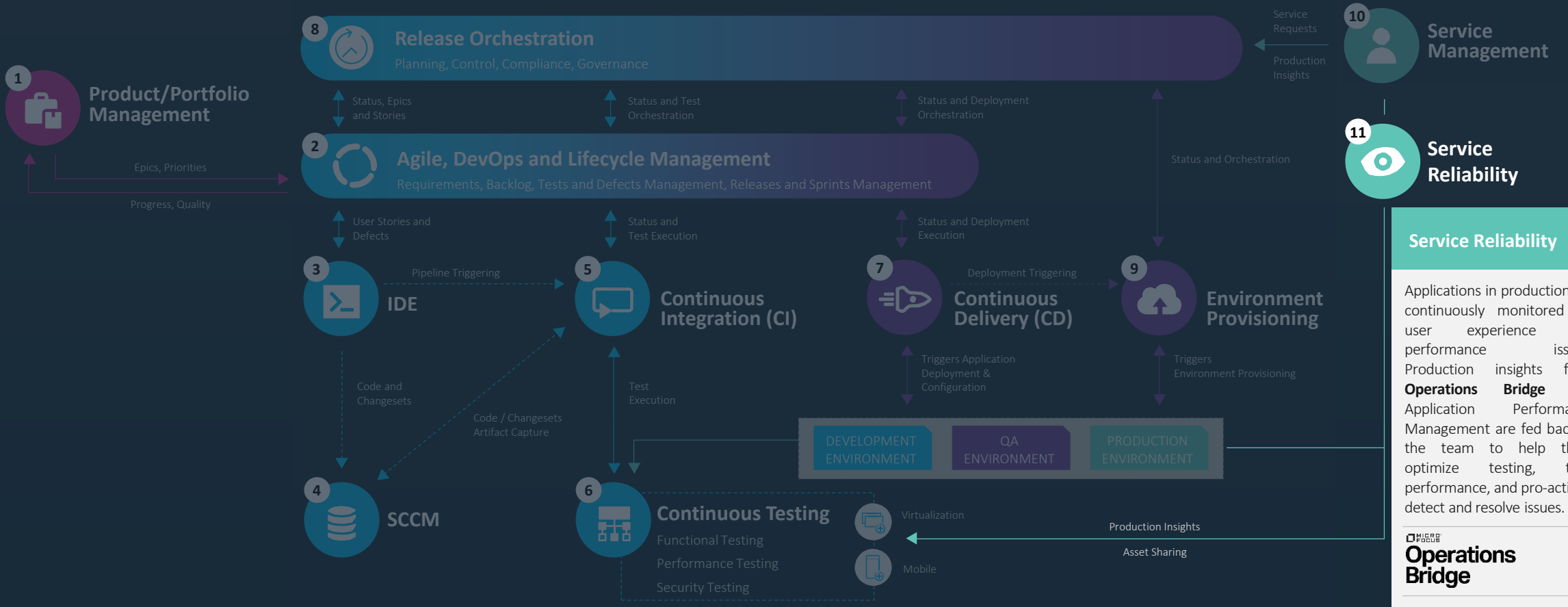
# Service Reliability

Plan | Govern

Develop | Test

Deploy | Release

Operate | Monitor

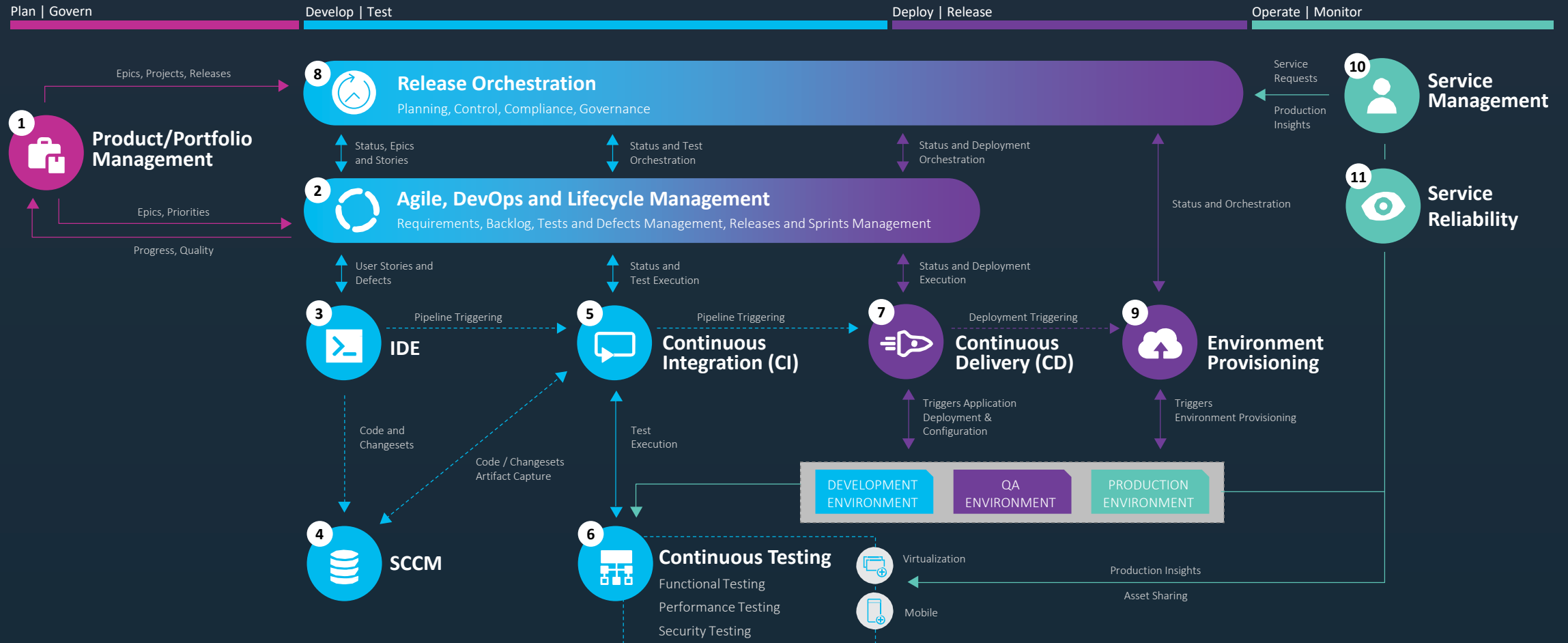


## Service Reliability

Applications in production are continuously monitored for user experience and performance issues. Production insights from **Operations Bridge** and Application Performance Management are fed back to the team to help them optimize testing, tune performance, and pro-actively detect and resolve issues.



# Application Delivery with Micro Focus



# To increase reliability and foster collaboration

## Service Excellence

### Service Management Automation

“ Sberbank Technology has cut feature release cycles from 2.5 months to two weeks and has seen a 30% increase in staff productivity. In addition, Universal CMDB enables instant infrastructure discovery at Sberbanks’s data center to ensure fast and error-free 24/7 availability. “

#### **Sberbank**

Financial Services company  
Russia

## Collaboration and Visibility

### Operations Bridge

“ After introducing Operations Bridge people have a completely new and different perception of what's happening across company business. “

#### **Swiss Mobiliar**

Insurance company  
Switzerland

## Maximize Automation

### Operations Orchestration

“ The ability to take the Swiss army tool approach with OO to embed our business processes into automation allows efficiency. It helps us drive out where inefficiency lies and allows us to focus on the high human resources on more important challenging problems. “

#### **Fortune 500 Company**

Telecommunications company  
United States

**DevOps is a journey.**  
It is not a destination.





**Our breadth,  
experience and  
partner ecosystem** can  
guide you on the path  
to success.



A person wearing a red jacket and a backpack is walking away from the camera on a paved path that stretches into the distance. The path is flanked by dark, scrubby vegetation. The sky is a deep, dark blue, filled with countless stars and the bright, glowing band of the Milky Way galaxy. The horizon is low, showing a faint orange glow from the setting or rising sun. The overall scene is serene and evokes a sense of journey and exploration.

Build and deliver better  
software faster



MICRO<sup>®</sup>  
FOCUS