On Business Demand: Our Digital Transformation Focus

DevOps as a Digital Transformation Strategy

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DEVOPS WORLD
by CloudBees

Industry Trend and Business Drivers

Helping you transform into Digital Organization

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Transformation isn't really a choice

50%

Of Fortune 500 companies
have disappeared from the list
in the 15 years

33% *

Of all businesses will fail in the
coming decade

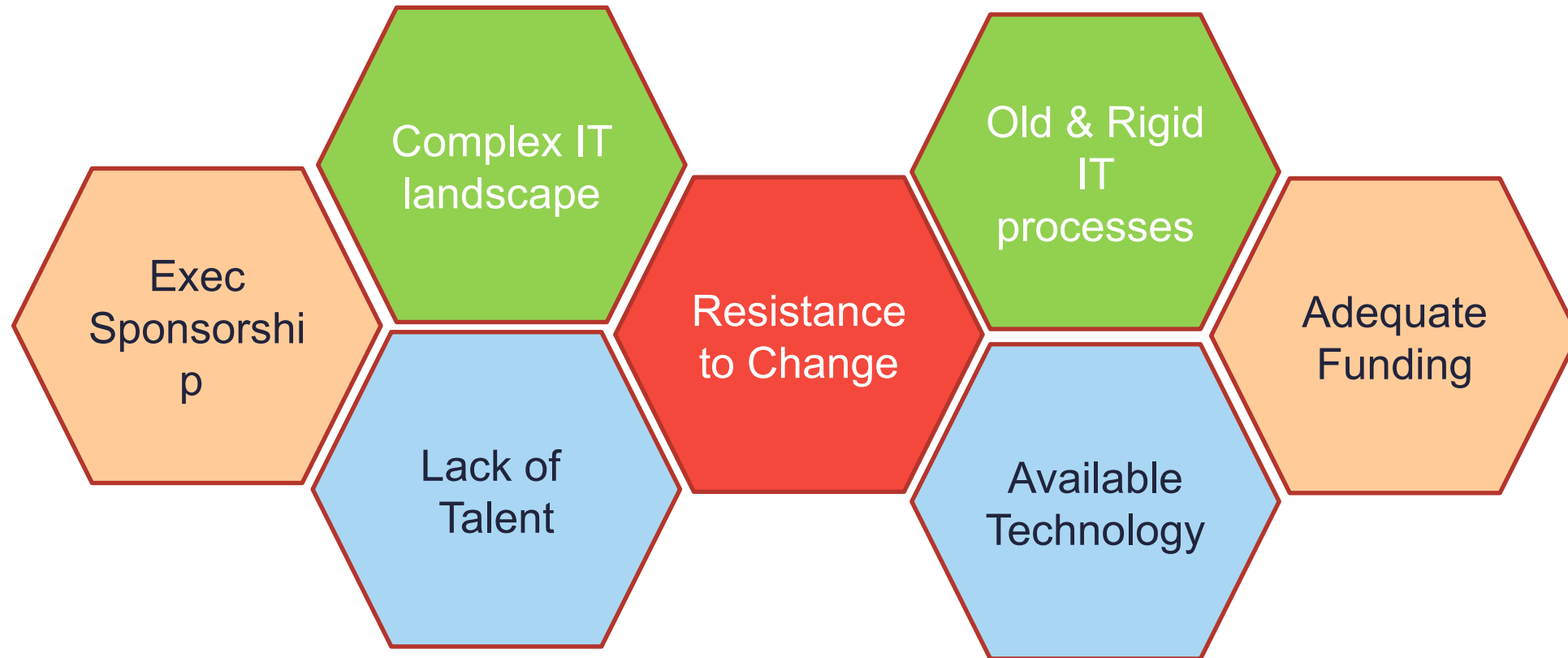* If they don't change and transform themselves using technology
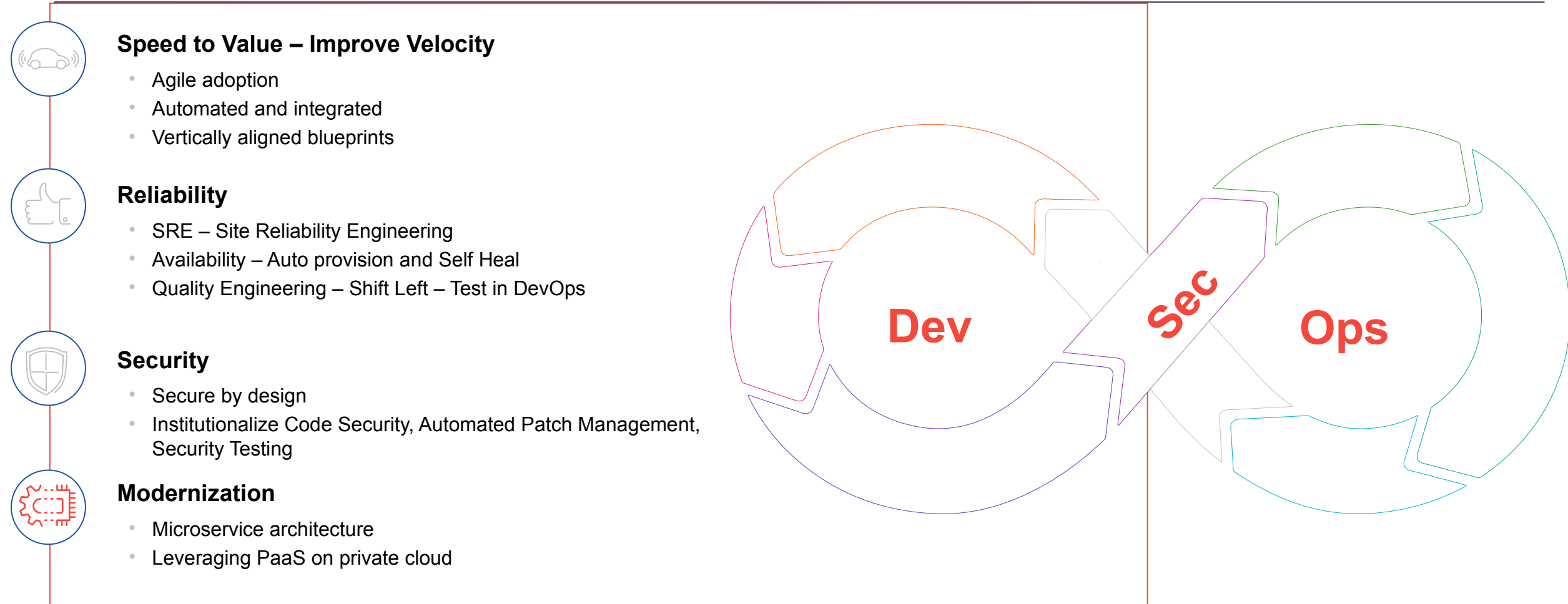
What this means

19%

CAGR for the Global DevOps Market by 2026*

* Source Fortune Business Insights™

Barriers to transformation

Exec Sponsorship

Complex IT landscape

Lack of Talent

Resistance to Change

Old & Rigid IT processes

Available Technology

Adequate Funding

DevSecOps Vision

Speed to Value – Improve Velocity

- Agile adoption
- Automated and integrated
- Vertically aligned blueprints

Reliability

- SRE – Site Reliability Engineering
- Availability – Auto provision and Self Heal
- Quality Engineering – Shift Left – Test in DevOps

Security

- Secure by design
- Institutionalize Code Security, Automated Patch Management, Security Testing

Modernization

- Microservice architecture
- Leveraging PaaS on private cloud

Dev **Sec** **Ops**

DevSecOps Core Services

- **Advise**
  - Maturity assessment
  - Future state reference model & implementation roadmap
  - Agile adoption & coaching
  - Tool/Framework selection

- **Cocreate and Innovate**
  - Tools / technology fitment & automation PoCs

- **Adopt and Implement**
  - Agility
  - Continuous Delivery (Continuous Integration, Deployment & Quality Assurance)
  - Infrastructure as Code
  - Managed Platforms and Containerization

- **Operate and Scale**
  - Build, Deploy & Release Management
  - Test Environment Management
  - Site Reliability Engineering
  - Performance & Availability Monitoring

DecSecOps Practice Credentials

Community Of Practice

DevSecOps Practitioners, Certified in Agile & Automation Technologies

Global **DevSecOps** Academy

Dedicated **Innovation Lab** and R&D Center

Rich **Technology** Partner Ecosystem

Delivering Business Values

30% Reduction in TCO

70% Improved Global Availability

60% Accelerated Time to Market

100% Requirement Traceability

DevSecOps Accelerators

Intelligent Automation Platform

Maturity Assessment, Planning and Design Tools

Multi-Cloud Environment Provisioning Portal

PaaS Starter Kit

ANSIBLE

Automation As A Service - Ansible

Global Scaled Distributed Agile Framework (AAAF)

How did we deliver DevOps?

Our Solution

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Case Study: Context

Legacy Mindset

Delayed Idea-to-Release Timeline

Inconsistent Environments

Dynamic Industry Demands

Case Study: Transformation Approach

Process
- Create small teams structured around Agile Release Trains
- Upskilled resources to Full Stack Developers
- Create CoE to standardize practices across projects

Culture
- Enable "Shared Vision" across multiple vendors
- Engage the client/business with new ideas and POCs
- Organize Community of Professionals meetings showcasing new technologies and ways of work
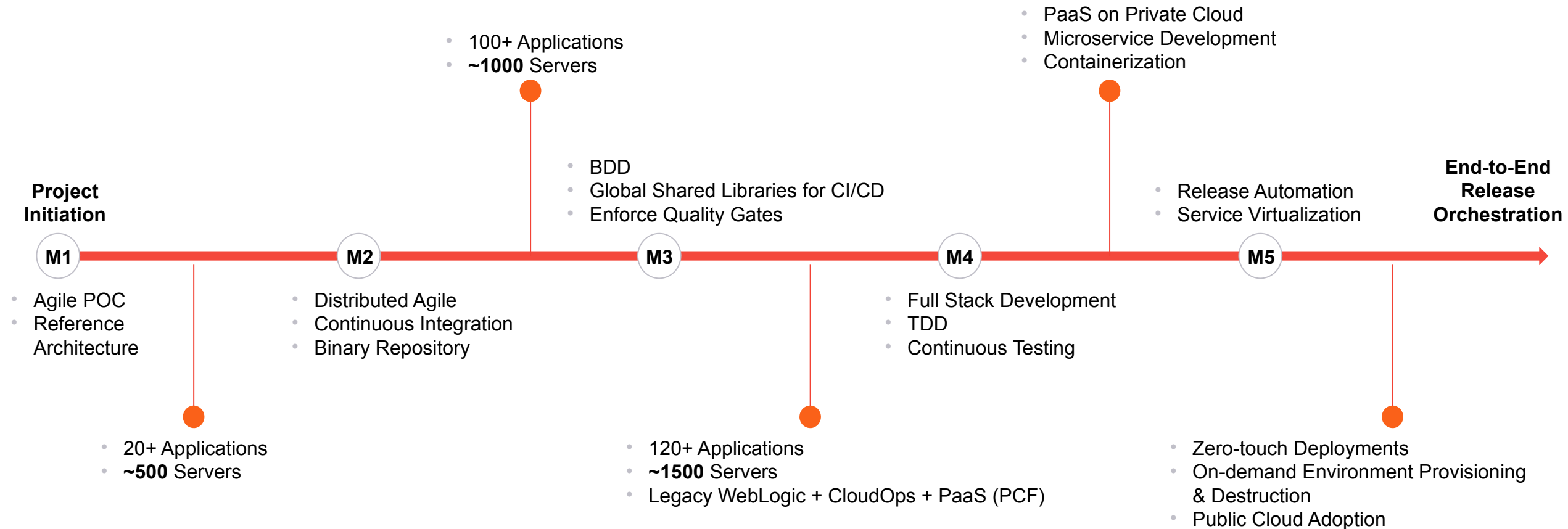
Automation
- Adopt cutting edge DevSecOps tool-chain for CICD, Code standard, quality measure, deployment, etc.
- Monitor real-time application and environment performance and create 360-degree Consolidated dashboard
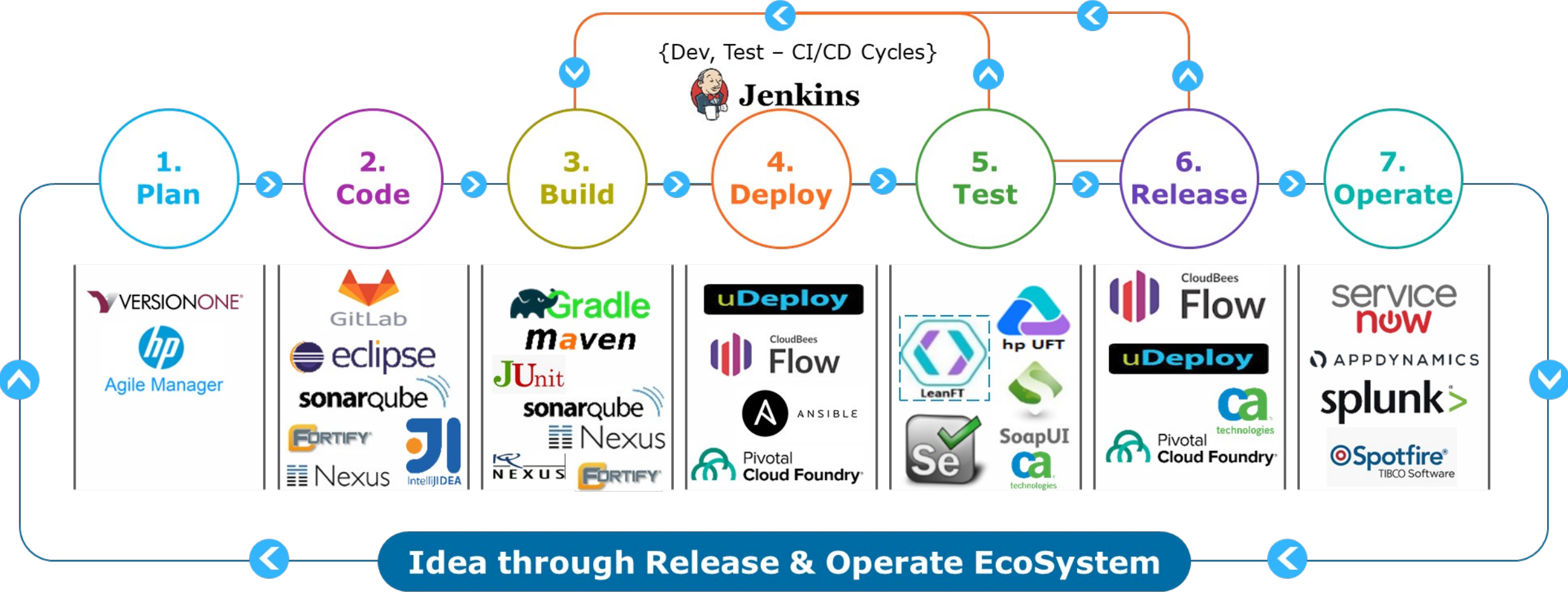
DevSecOps Enabled Systems

Case Study: DevOps Journey

- 100+ Applications
- **~1000** Servers

- PaaS on Private Cloud
- Microservice Development
- Containerization

- BDD
- Global Shared Libraries for CI/CD
- Enforce Quality Gates

Project Initiation

- Release Automation
- Service Virtualization

End-to-End Release Orchestration

M1 — M2 — M3 — M4 — M5 →

- Agile POC
- Reference Architecture

- Distributed Agile
- Continuous Integration
- Binary Repository

- Full Stack Development
- TDD
- Continuous Testing

- 20+ Applications
- **~500** Servers

- 120+ Applications
- **~1500** Servers
- Legacy WebLogic + CloudOps + PaaS (PCF)

- Zero-touch Deployments
- On-demand Environment Provisioning & Destruction
- Public Cloud Adoption

Case Study: DevSecOps Tool-Chain

Case Study: Benefits

- Release Frequency improved by **6x**

- Improved Code Coverage > **80%**

- **80%** reduction in Build, Deploy & Test Cycle time

- Technical maturity Score improved to **>90%**

Thank You

For more information: *www.atos-syntel.net*

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