DevOps as a Service:
Fueling the Journey towards Hybrid Multicloud Transformation

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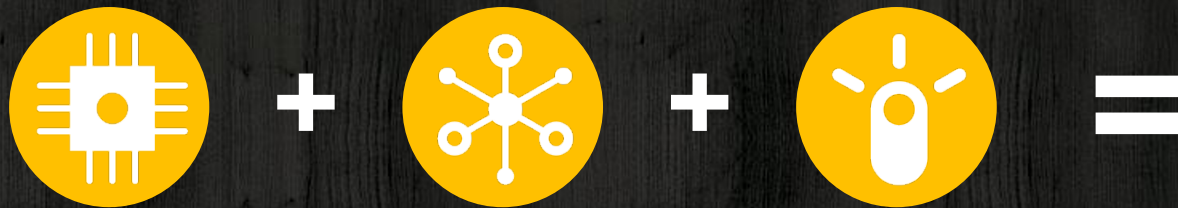Partner, Global Delivery Leader,
Cloud Migration, IBM

@mbiswajit
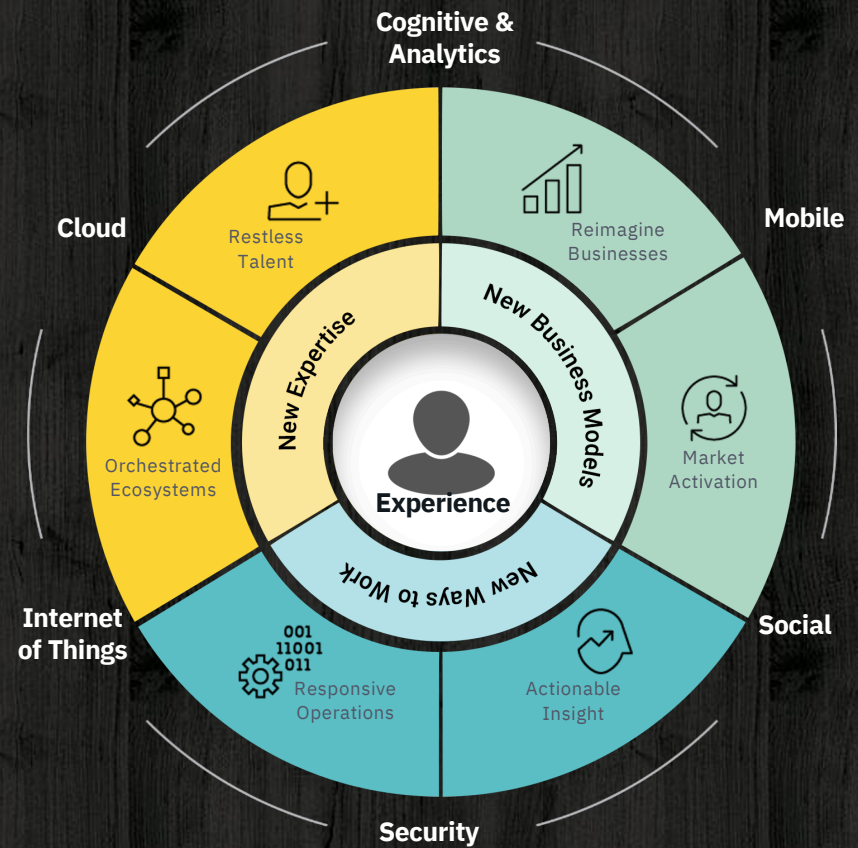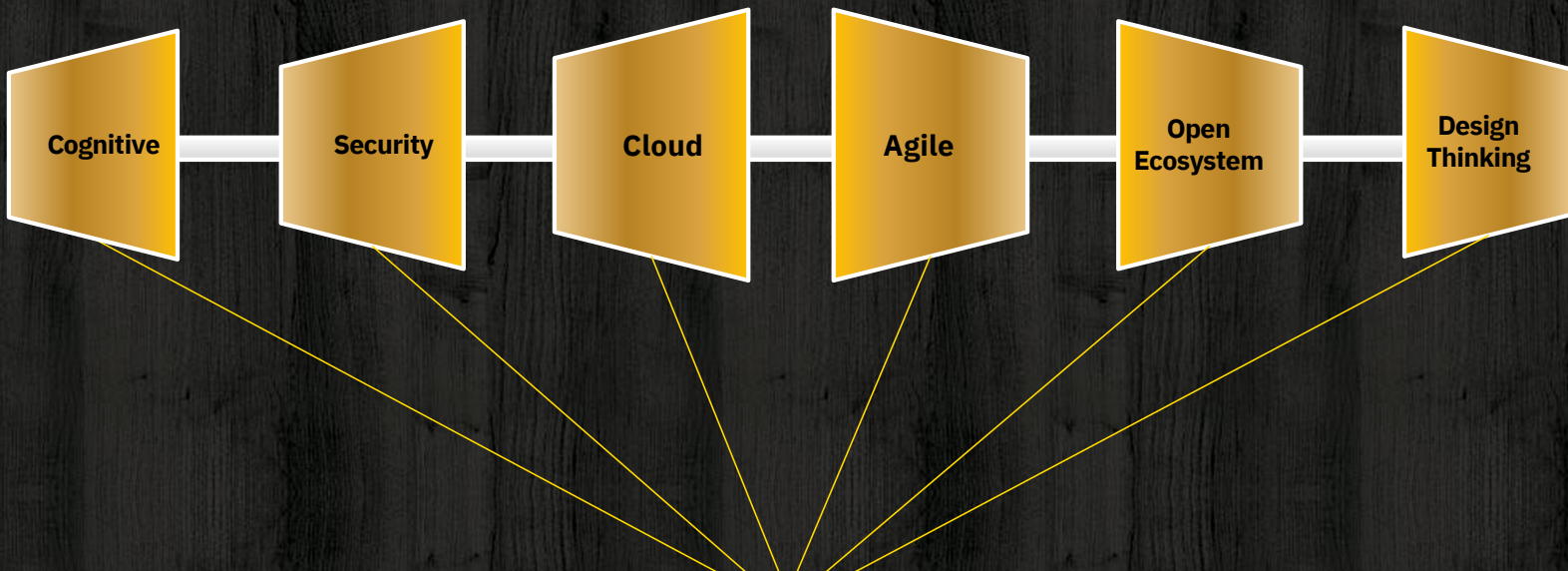
The World is becoming more
Intelligent, Interconnected and Instrumented

An opportunity to *Think, Act and Transform* into new ways: Economically, Socially and Technically

The Digital shift
The Evolved Business Paradigm

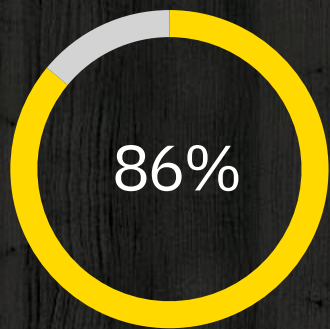Cognitive · Security · Cloud · Agile · Open Ecosystem · Design Thinking

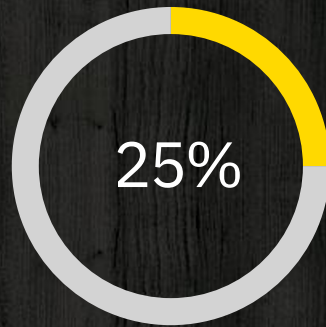Enterprises need to **evolve** to deliver the IT that Modern Businesses demands.

DevOps is the DNA of this evolution

Enterprises need to adopt and scale DevOps

86%

of companies believe
DevOps is critical

But Only

25%

leverage
DevOps effectively
today

46x

More Frequent
Code Deployments

260x

Faster Incident
Recovery

**The leading adopters of DevOps
outperform others**

Undergoing DevOps Transformation Means *Overcoming Some Common Challenges*

Technology
- Standardizing the app portfolio
- Modernizing to Hybrid Multicloud Architecture
- Embracing open innovation

Culture
- Engagement with business partners
- Alignment between Dev and ops team
- Shifting employee mindsets and expectations

Scale
- Developing continuous improvement mindset
- Aligning organizational processes to the new model
- Measuring the benefits of transformation

DevOps pipeline - Automate the repeatable

Business
Stakeholders

Delighted
End-Users

Plan

Dev

Build

Deploy

Test

Release

Repeatable
Continuous integration
Continuous delivery
Continuous testing
Continuous availability

Idea

Value

Creative
Continuous planning
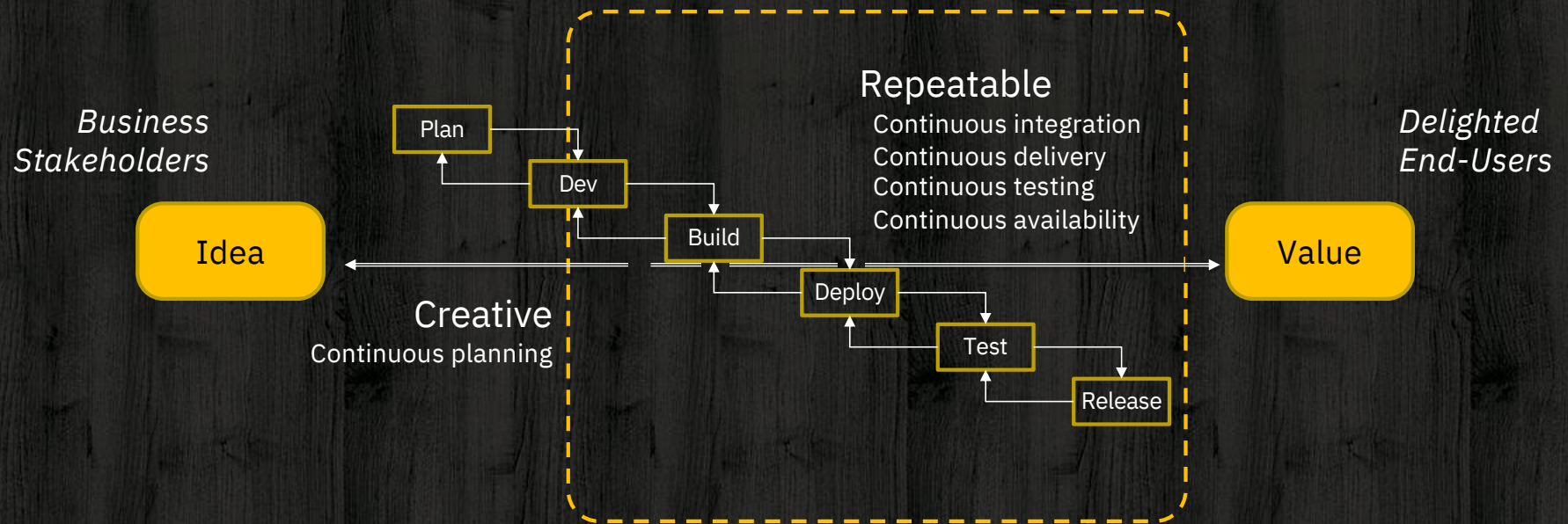
Co-create your DevOps Transformation Journey

01
Design Your Target State

02
Establish Your DevOps Foundation
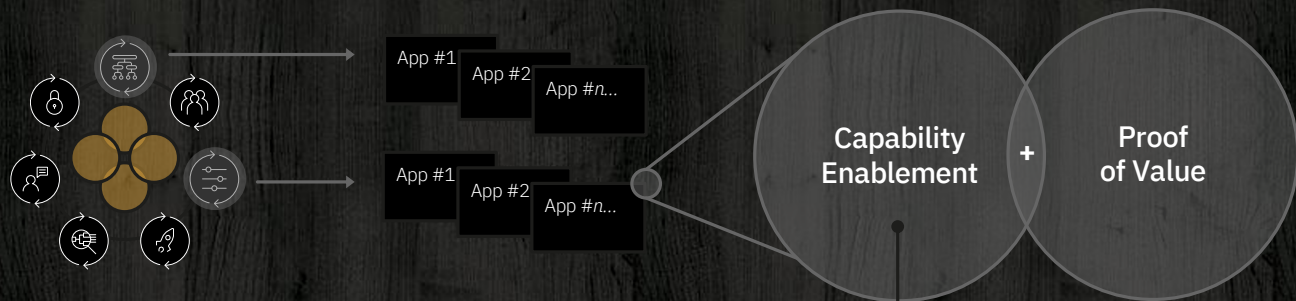
03
Scale & Expand Your Capabilities

Priority #2

Priority #1

Identify your target **Focus Area Group(s)** and strategically prioritize your approach.

App #1 App #2 App #n...

App #1 App #2 App #n...

Capability Enablement **+** Proof of Value

DevOps Center of Excellence

Technology

Practices
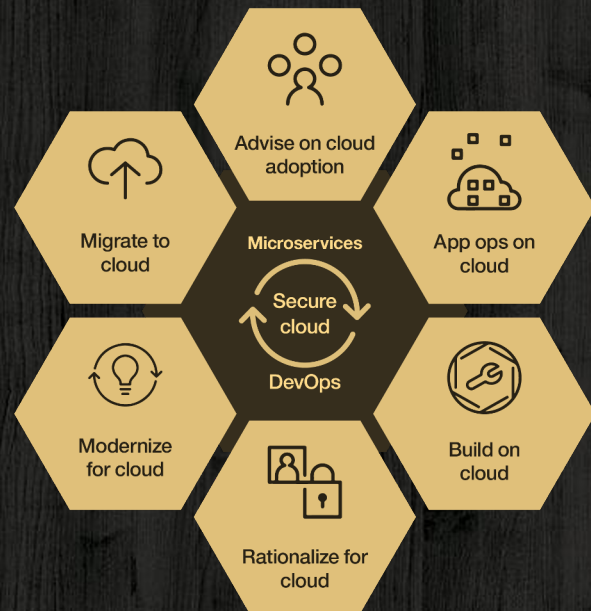
Culture

Enterprises need DevOps as a Foundation service to build, migrate, modernize, run and manage cloud applications

Cloud Platform Architecture & Engineering
- *Platform Architecture & Engineering Services*
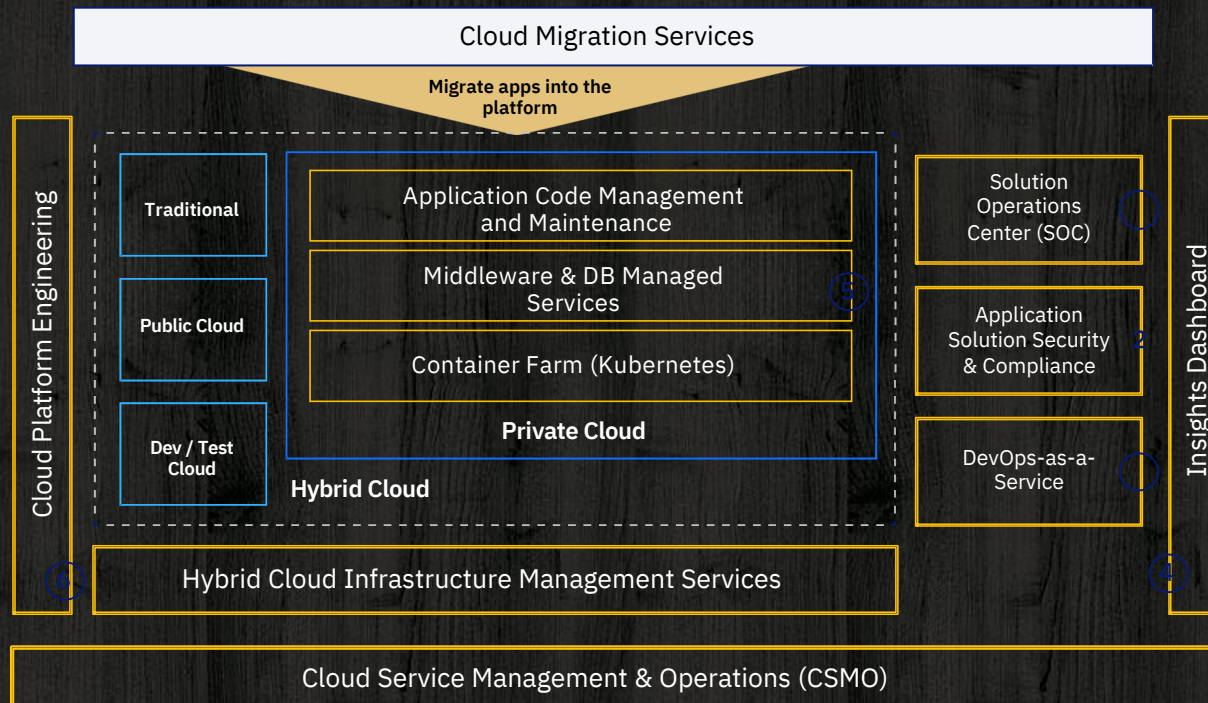- *Service Reliability Engineering*

Solution DevSecOps
- *DevOps Engineering Services*
- *Toolchain as a service (Dev & Ops)*
- *Dev / Test Environment as a Service*

Solutions Operations Center
- *Run and Manage Operations*
- *Middleware Managed Service*

DevOps services extend to support Private Cloud and Container management services

Cloud Migration Services

Migrate apps into the platform

Cloud Platform Engineering

Traditional

Public Cloud

Dev / Test Cloud

Hybrid Cloud

Application Code Management and Maintenance

Middleware & DB Managed Services

Container Farm (Kubernetes)

Private Cloud

Solution Operations Center (SOC)

Application Solution Security & Compliance

DevOps-as-a-Service

Insights Dashboard

Hybrid Cloud Infrastructure Management Services

Cloud Service Management & Operations (CSMO)

Integrated Platform Architecture and Engineering

- **Architect and Engineer services**: Build, Run and Manage hybrid cloud solution environment

- **Cloud Management Platform & governance:** Standardized and cost-effective consumption of cloud infrastructure services

- **Orchestrated Solution patterns:** Automated creation of full solution stack for pre-defined Cloud solution offerings which can be tailored to meet customer needs

- **Cloud-enabled Software:** Middleware and application products that are available as a managed platform-as-a-service

- **Integrated Service Management architecture and model:** To handle ITIL chain for a solution spanning multiple Cloud providers and hybrid platforms

The future is about Hybrid Multicloud Transformation
Powered by DevOps

Exponential Technologies

Cognitive Automation, AI / ML

Ecosystem Expansion

Data Interoperability

Agile Culture

Secure Hybrid Multicloud Platform

NextGen applications

Thank You