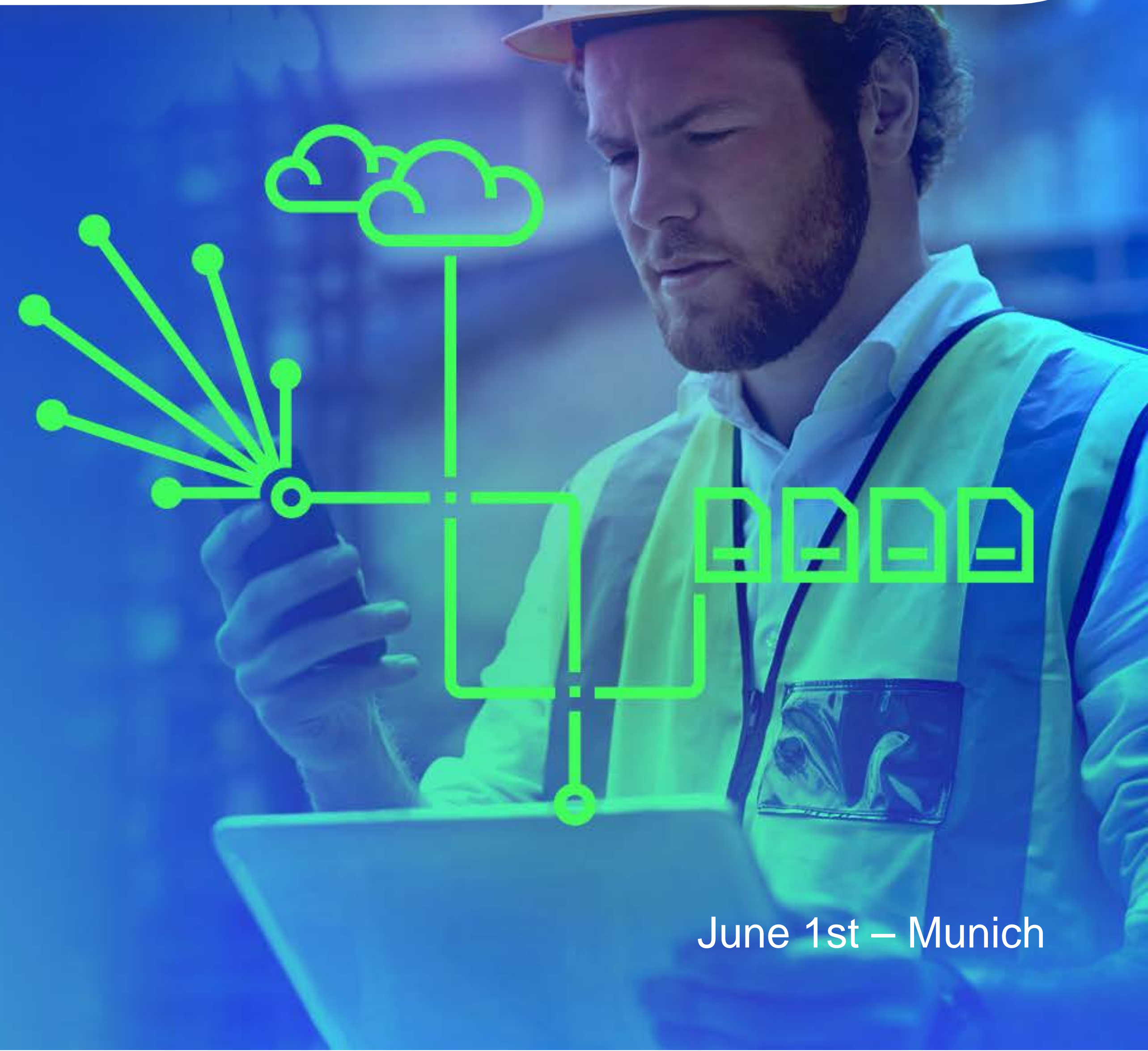


Franck Greverie

Group Cloud & CyberSecurity leader

Cloud services

2016 | Capital Market Day



June 1st – Munich

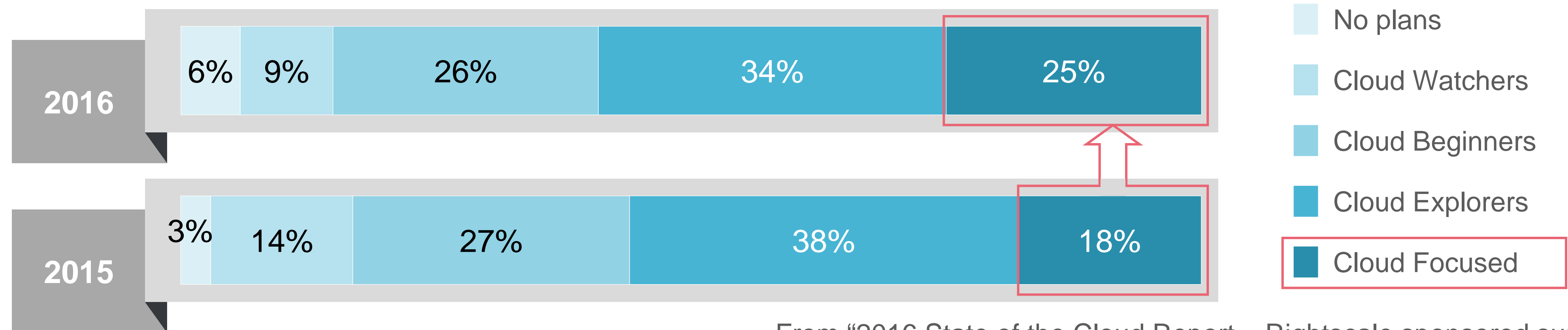
Cloud: An ubiquitous delivery option for all kinds of IT

On average, businesses today are **allocating 40% of their IT budgets to cloud and cloud-related services** through 2017, 22% of which is allocated to public cloud services. 80% of organizations will increase their cloud spending through 2017.

– Gartner, *Forecast Overview: Public Cloud Services, Worldwide, 2016 Update*

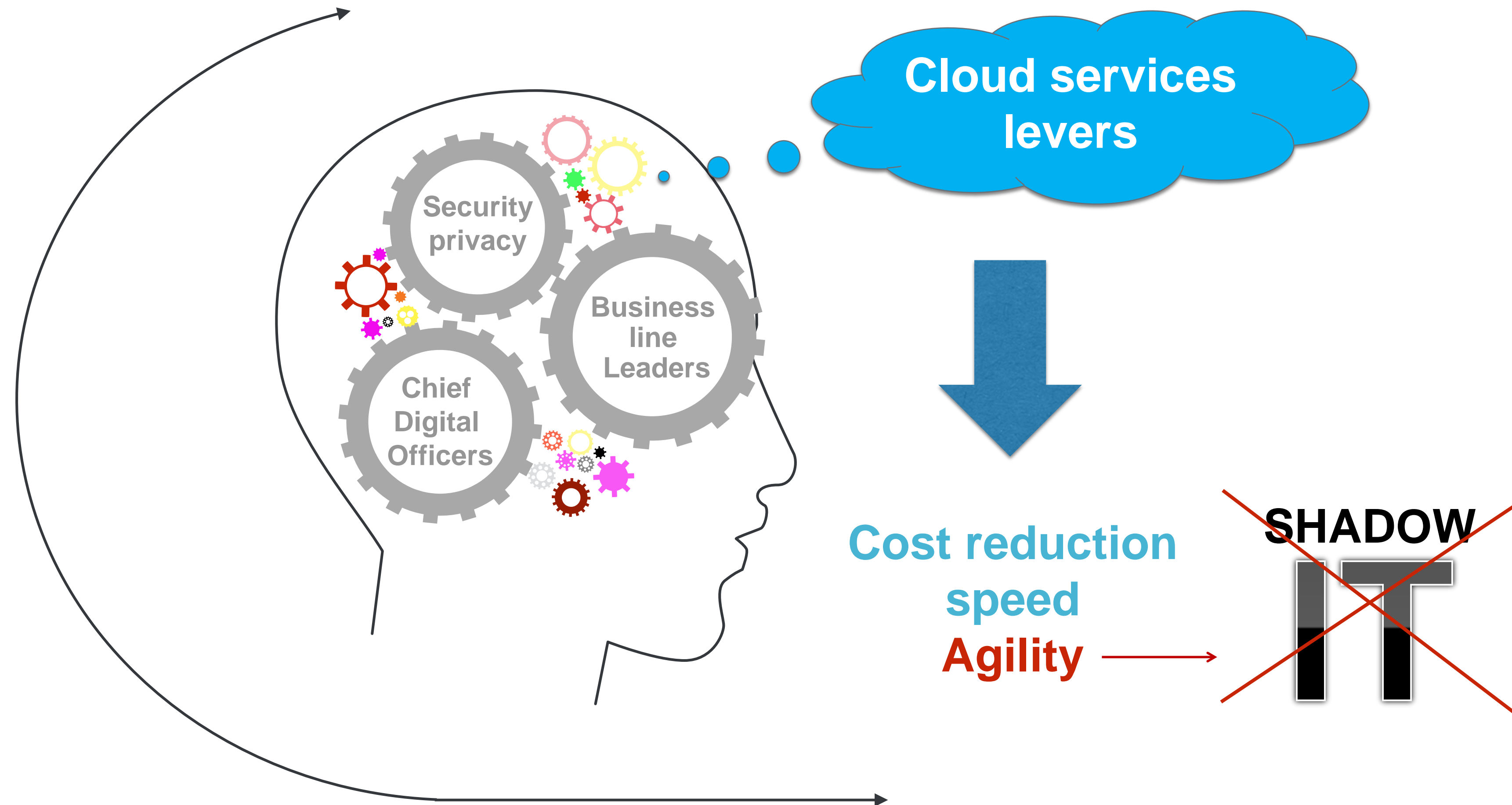
Big jump with enterprises going cloud first!

Enterprise Cloud Maturity 2016 vs. 2015



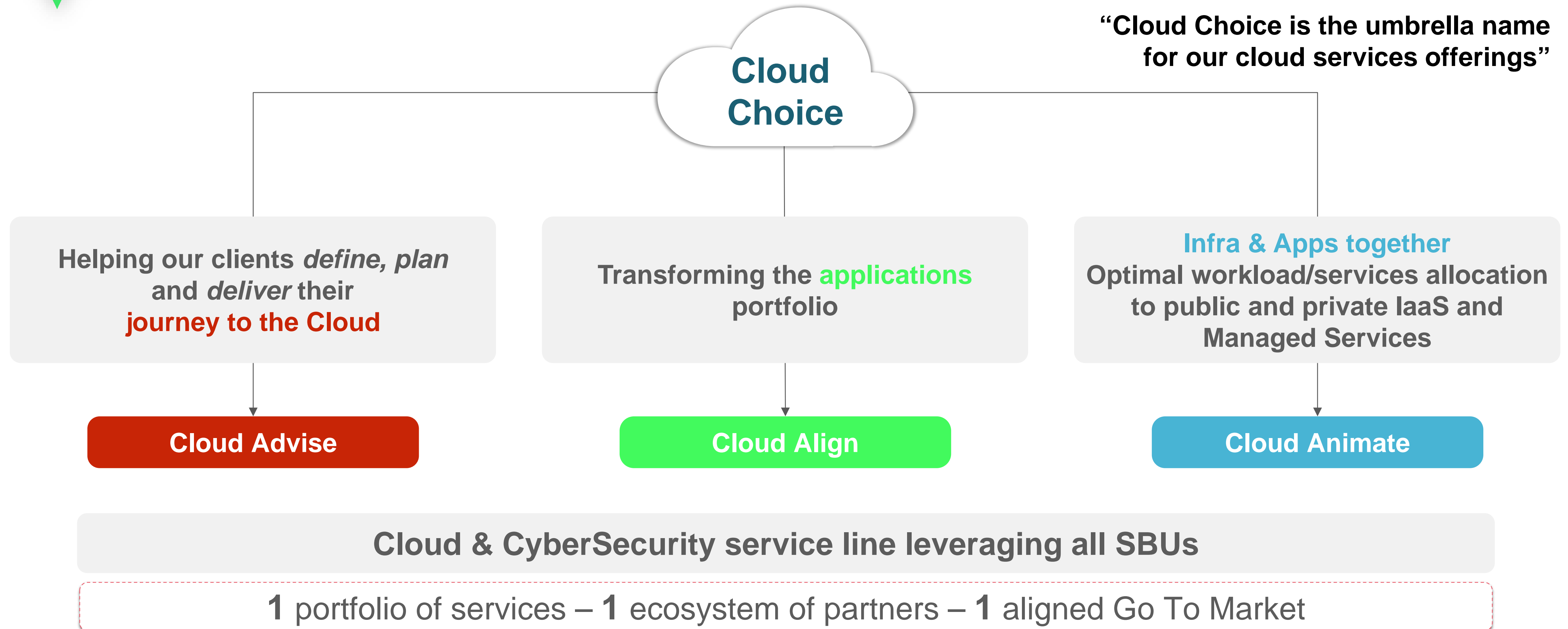
From “2016 State of the Cloud Report – Rightscale sponsored survey”

What's in the minds of best CIOs/CTOs?



A leader in Cloud services

An end-to-end Cloud services portfolio – AAA

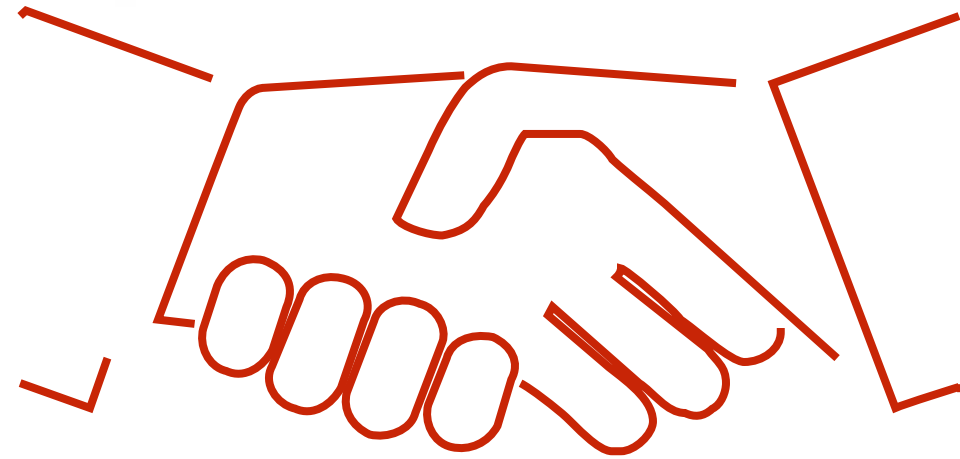


Cloud services portfolio

Cloud Strategy – Roadmap



Cloud Advise

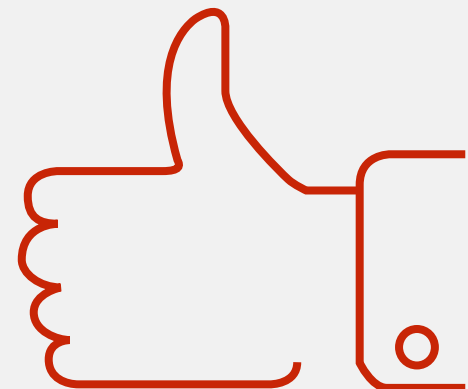


We help our customers to adopt a “cloud-first strategy”.
We design a business intent driven cloud roadmap (top-down approach) to enable your digital transformation, not an Infra led cloud view (bottom-up approach)



CLOUD STRATEGY – ROADMAP – 4 areas

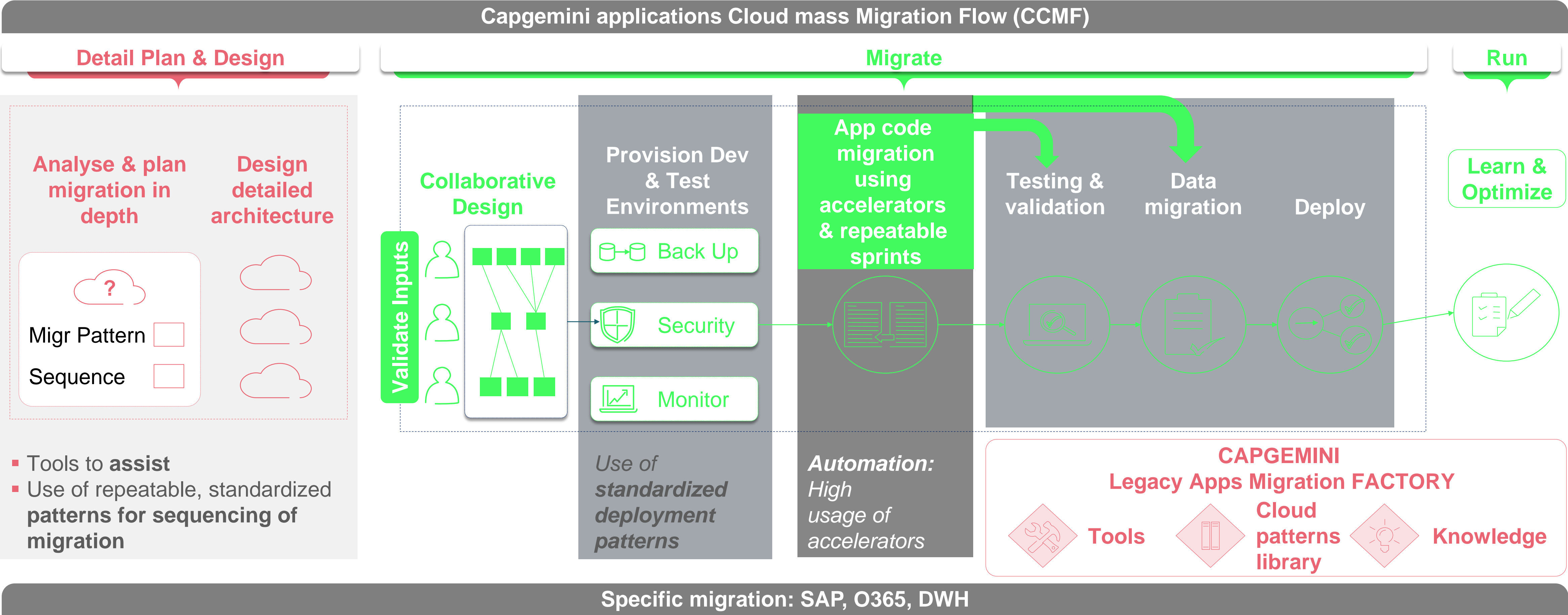
BUSINESS CASES
“Looking at Cloud Strategy
through the lens Of Value”



- A** Digital business services/applications that need to be able to scale and to be transformed regularly
- B** Big data solutions that are used today or that will be needed in the future (Hadoop,...)
- C** The migration of existing on-premises apps apps to the cloud.
- D** The acceleration in the adoption of SaaS from ERP and core systems to HR and Office

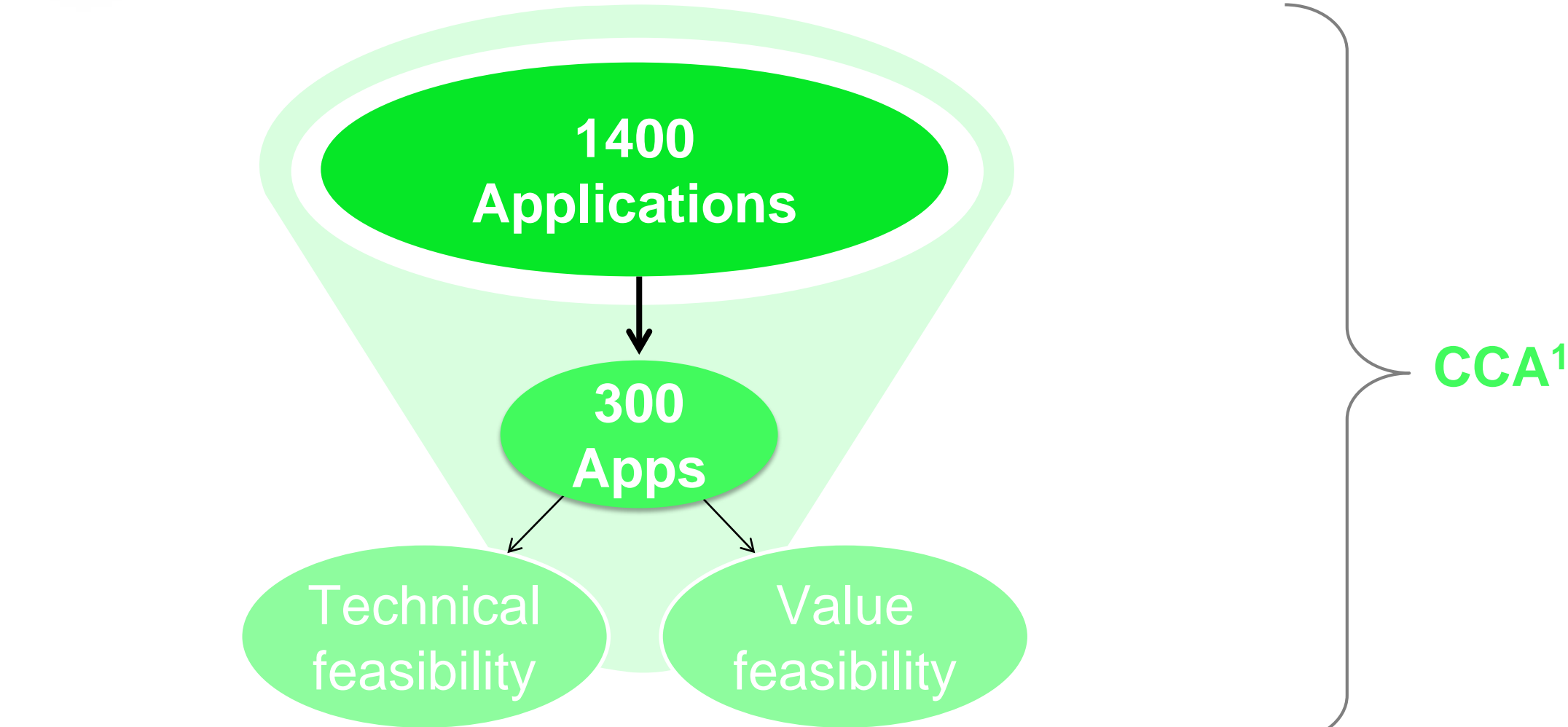
Cloud services portfolio

Legacy Apps migration to the cloud – CCMF



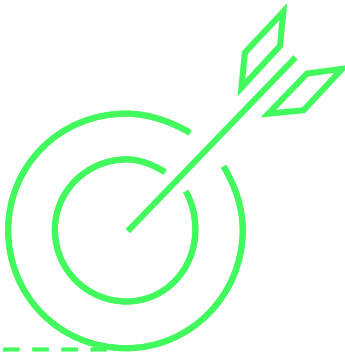
Customer use case

One of the world's largest beverage company



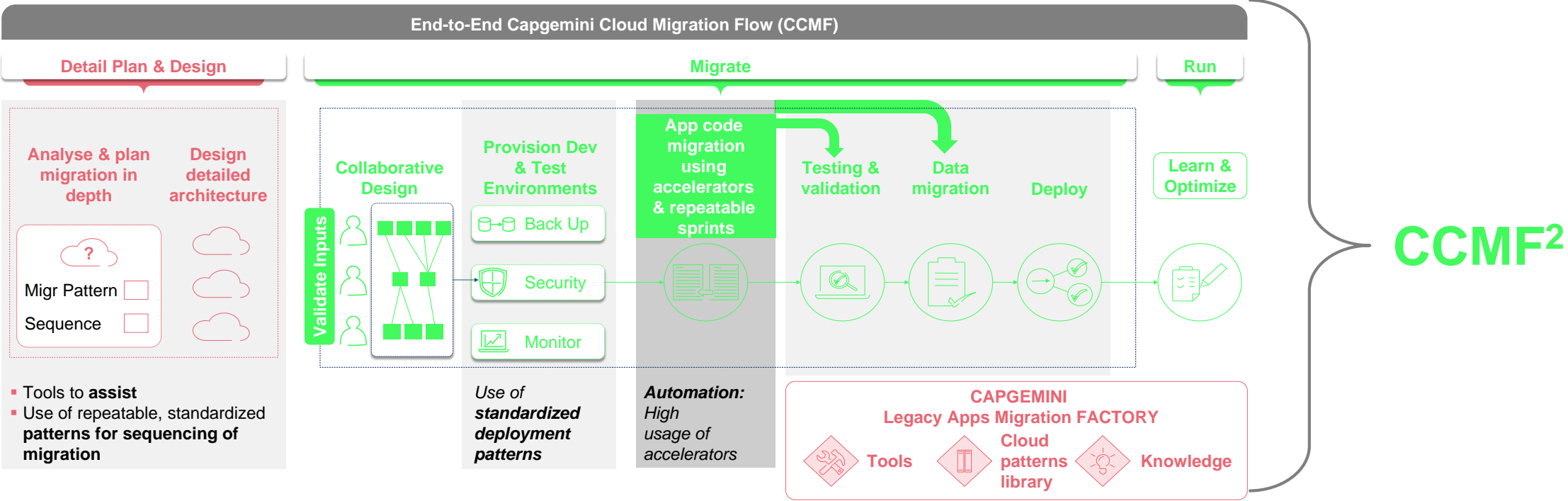
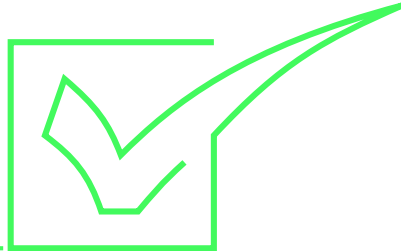
Objectives

- Strong drive to reduce datacenter footprint & IT costs
- Move as many applications to the cloud



Approach/Solution

- Conduct exhaustive application apps & data discovery
- Perform assessment, based upon agreed decision matrix
- Make destination recommendation, in line with organization's cloud strategy & IT strategy
- Get buy-in from business and IT stakeholders
- **Design application architecture (in the cloud), create the business case and plan the migration**
- **Provision cloud environments**
- Participate in security and performance testing



¹ Capgemini Cloud Assessment ² Capgemini Cloud Migration Factory

Cloud services portfolio

Cloud native applications: The new IT revolution



Cloud Align

Apps/services development & operations is changing

Develop your Services in the cloud

Agile

Focus on delivering business value

DevOps

Continuous integration & deployment.
Automated builds, deployment & provisioning.

PaaS

Developer self-service platform with integrated tools
Highly dynamic, elastic. Environment consistency.
Always up.

Full function PaaS
Public PaaS

Micro-services

Loosely coupled and fine-grained software facilitates quicker, more frequent deployments

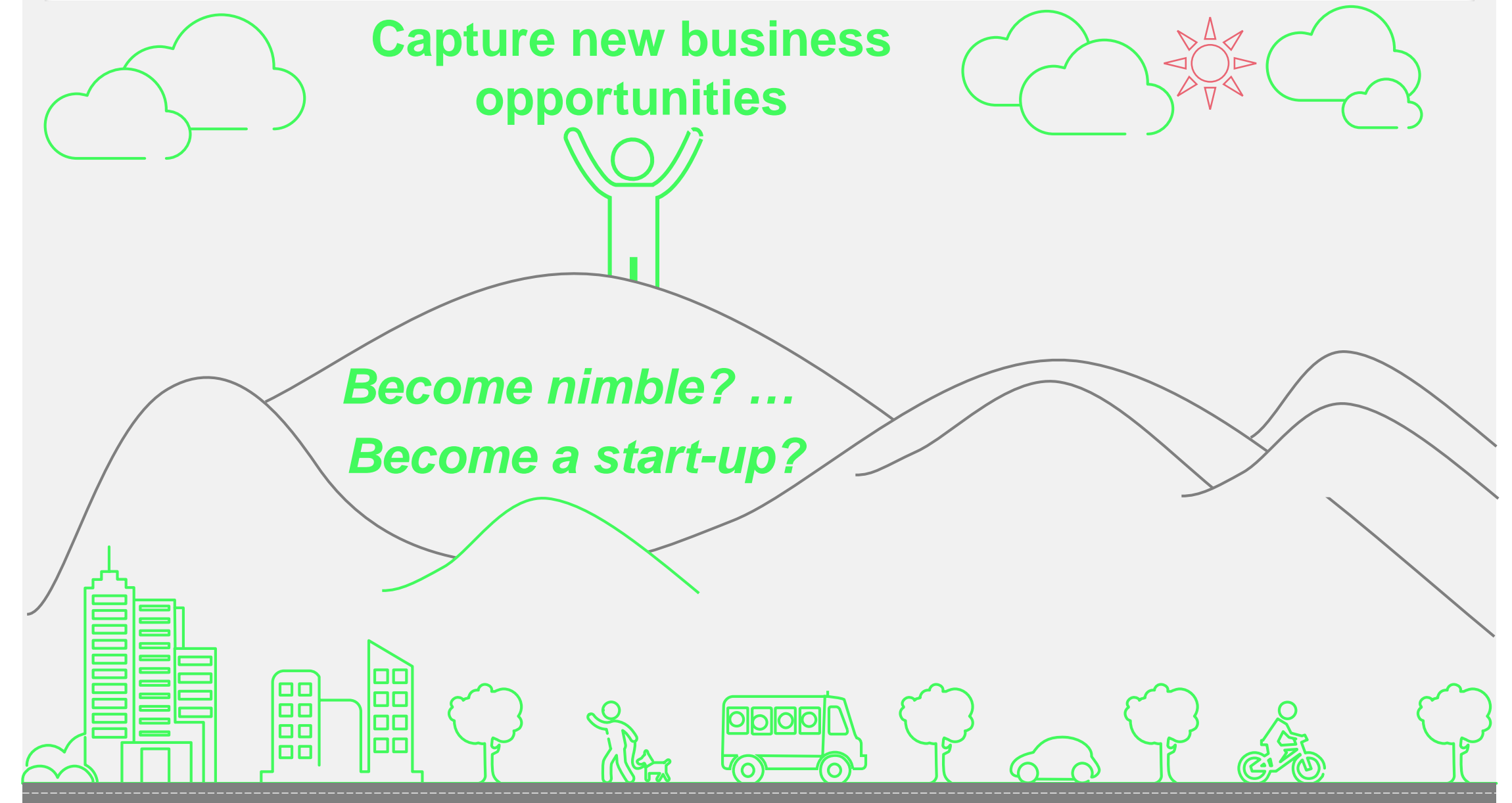
Containers

Speed + higher degree of portability and re-use

Rapid iteration, test & deploy to production faster –
accelerating Time to Market, test new concepts

Capture new business opportunities

*Become nimble? ...
Become a start-up?*



Customer use case

One of the world's largest bank



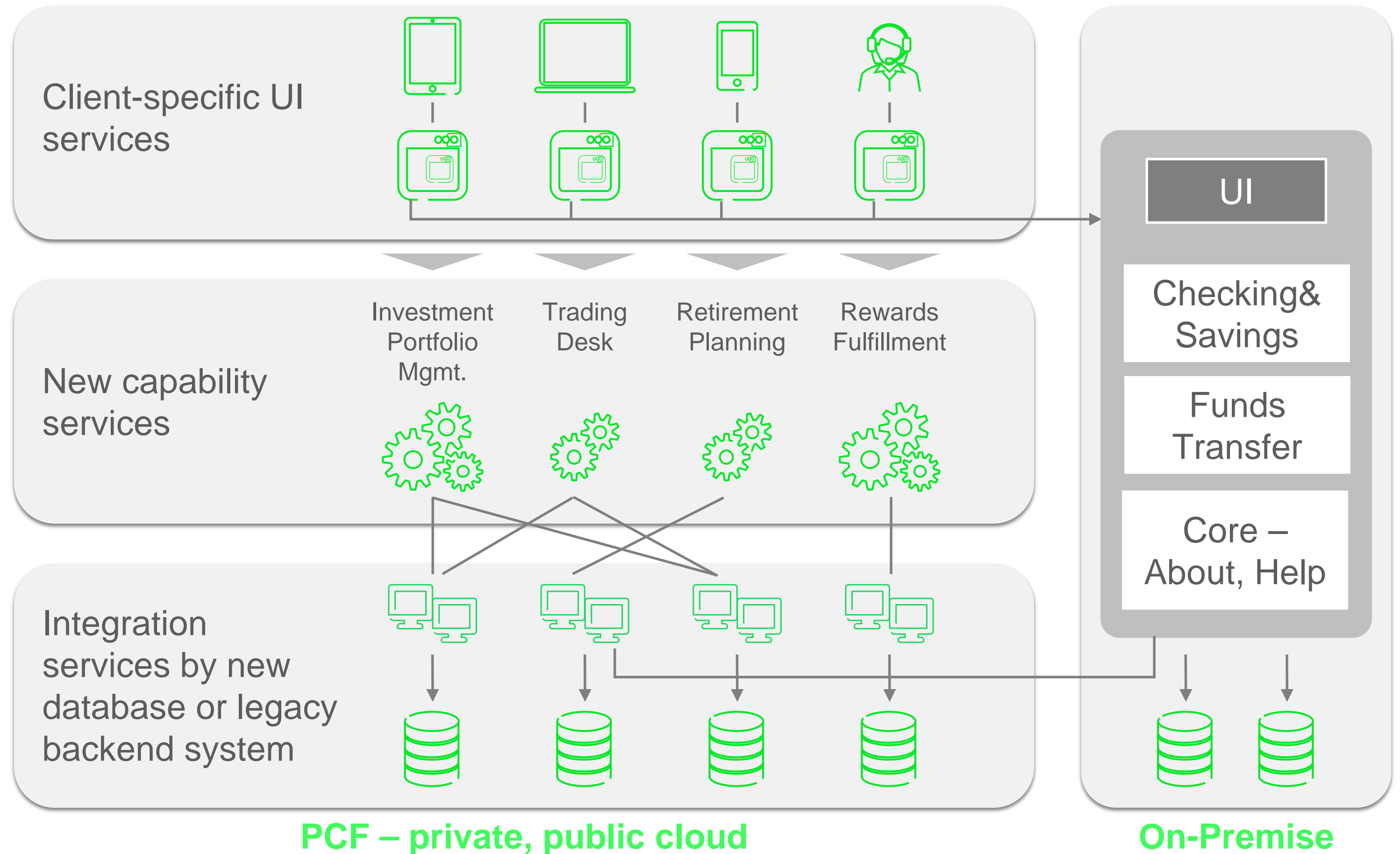
Objectives

- Enhance deployment capabilities to 50+ countries (different configurations)
- Enable quicker and more adaptable software release



Approach/Solution

- Adopt micro-services and Pivotal Cloud Foundry PaaS
- Adopt more DevOps practices for speed and ease of multi-country deployments

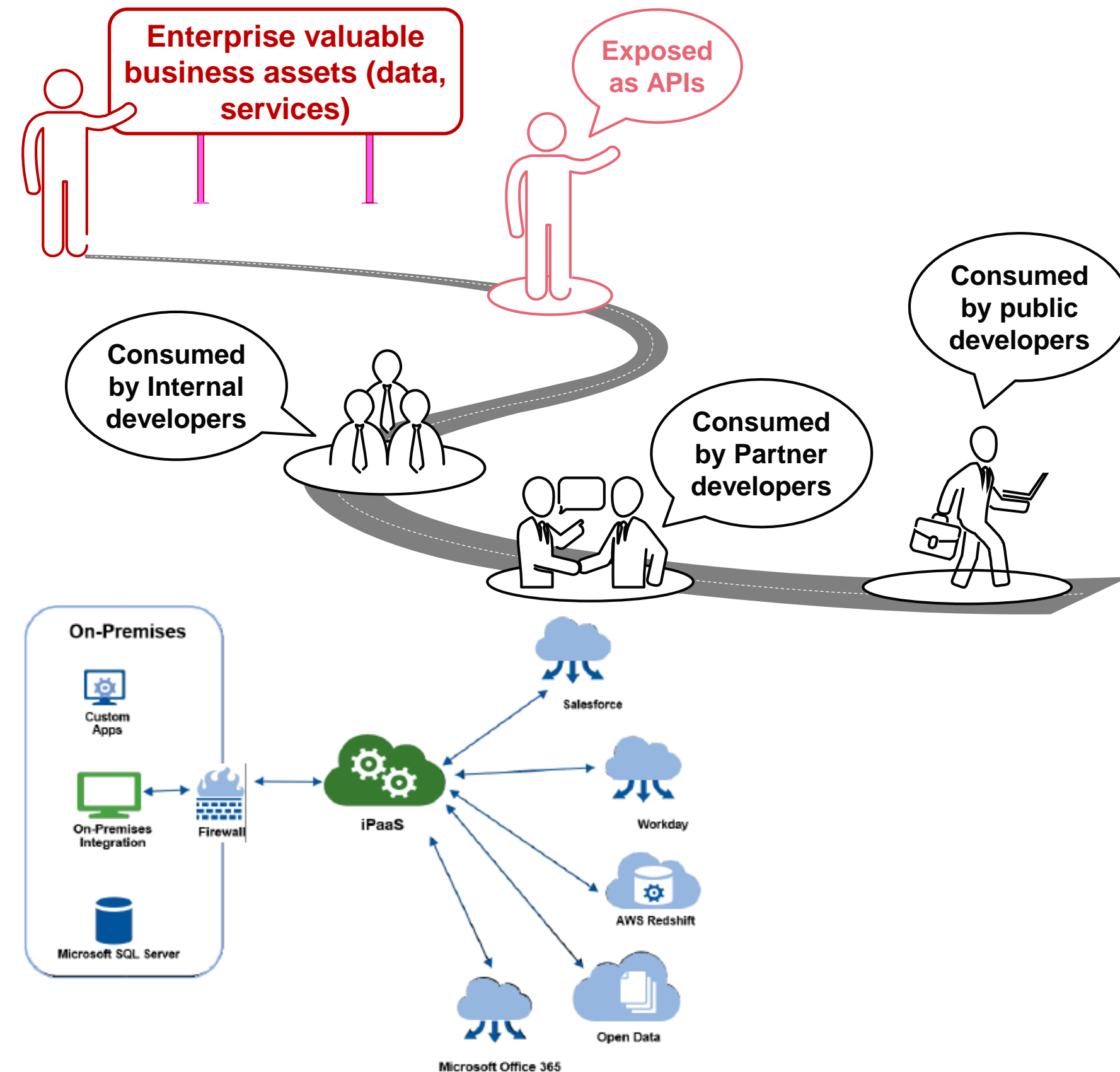


Cloud services portfolio

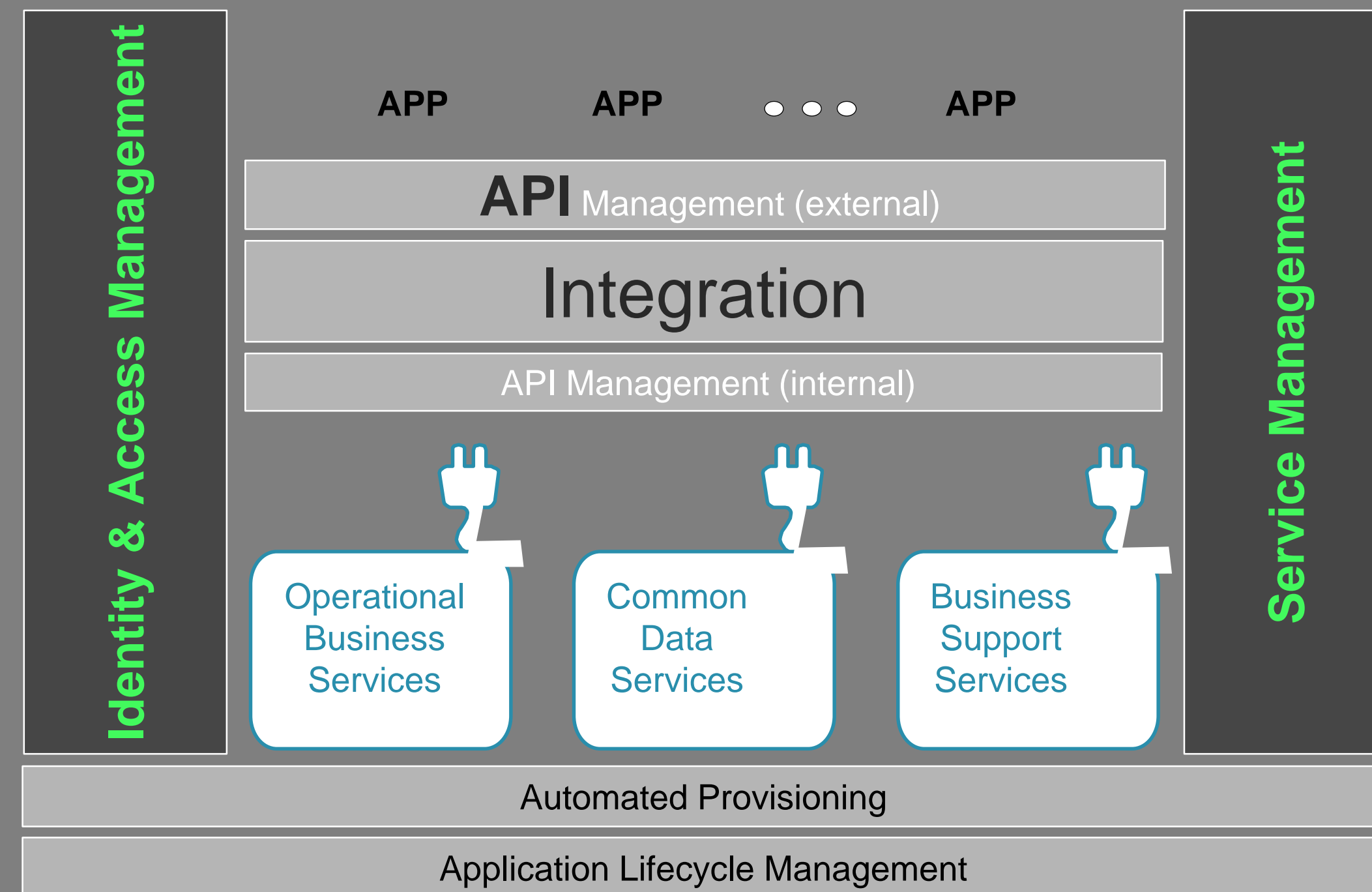
Integrate your cloud Apps and generate new revenues developing an APIs business



Cloud Align



Capgemini iPaaS is a secure open source platform on which “Applications” can be integrated quickly, consistently and cost effectively, in private or public cloud



Using APIs to enable new revenue streams and compete with FinTechs

Customer use case

One of the largest bank in NA



We help them build out Banking as a service to generate revenue through APIs



BUSINESS ISSUE

- One of the largest banks in NA has decided to launch a separate channel for API interactions
- Focus is on monetization of these revenue streams by offering API based banking services
- Business wants a Try– Test– Adapt framework with a premium on Agility



CAPGEMINI SOLUTION

- Leveraged Capgemini's iPaaS cloud integration services platform
- Helped set up Agile and Behavioral driven Development practices for product teams to work effectively and build out automation from the start



BENEFITS

- Integrated fully functional API management framework that is the backbone of the Banking as a service initiative
- Automated Provisioning and Analytical usage of API features used drive Release backlog and feature prioritization

Using APIs to enable new revenue streams and compete with FinTechs

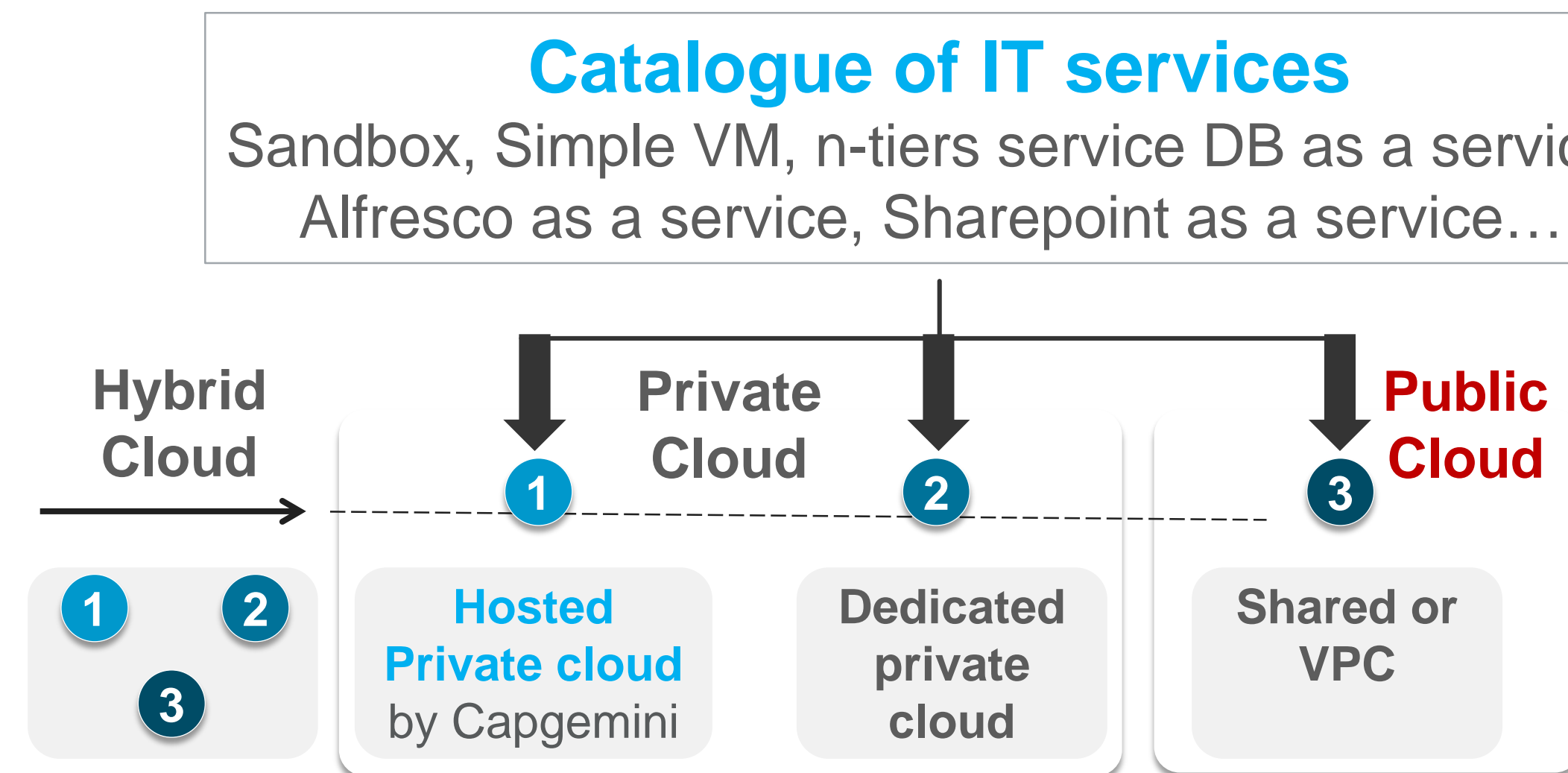
Cloud services portfolio

Catalogue of IT services deployed on the different environments



Cloud Animate

Most of our customers implement an hybrid cloud strategy *we provide CLOUD INTEGRATION, AUTOMATION services & CLOUD MANAGEMENT services*



Hybrid cloud managed services and AUTOMATION

Customer use case:

One of European's largest bank



Cloud Animate

Objectives

- Implementing a **private cloud** with a catalogue of services
- Leverage public cloud
- Migration of 55% of the Bank's applications onto its new target IaaS.
- Redesign its IT Operating Model (ITOM) to facilitate the new ways of working



Approach/Solution

- Software Defined Data Center architecture
- Catalogue of services
- Services orchestration, automatic provisioning
- Public cloud implementation
- Cloud managed services
- Mass Apps migration



Benefits

- Increased proportion of self service catalog requests from <15% to >25% in less than a year – reducing the number of calls received by the IT team
- Increased adoption of public cloud to 5% in one year and to 25% in three years.
- Operational cost savings of ~€500m over 5 years



Cybersecurity services portfolio



Cybersecurity

Securing the digital world against cyber attacks and malicious internal behaviour

ONE TEAM



Capgemini Consulting



www.capgemini.com/cybersecurity

Our missions:

Win standalone cybersecurity services projects and provide cybersecurity services as a key differentiator of:

- Infrastructure/Apps/**Cloud**-based projects
- **Digital projects:** DCX, Digital operations, Digital back office

Positioning:

100% services but with a deep know-how of security products (ELITE R&D team testing security products + an ITSEF)^*

ITSEF: Information Technology Security Evaluation Facility

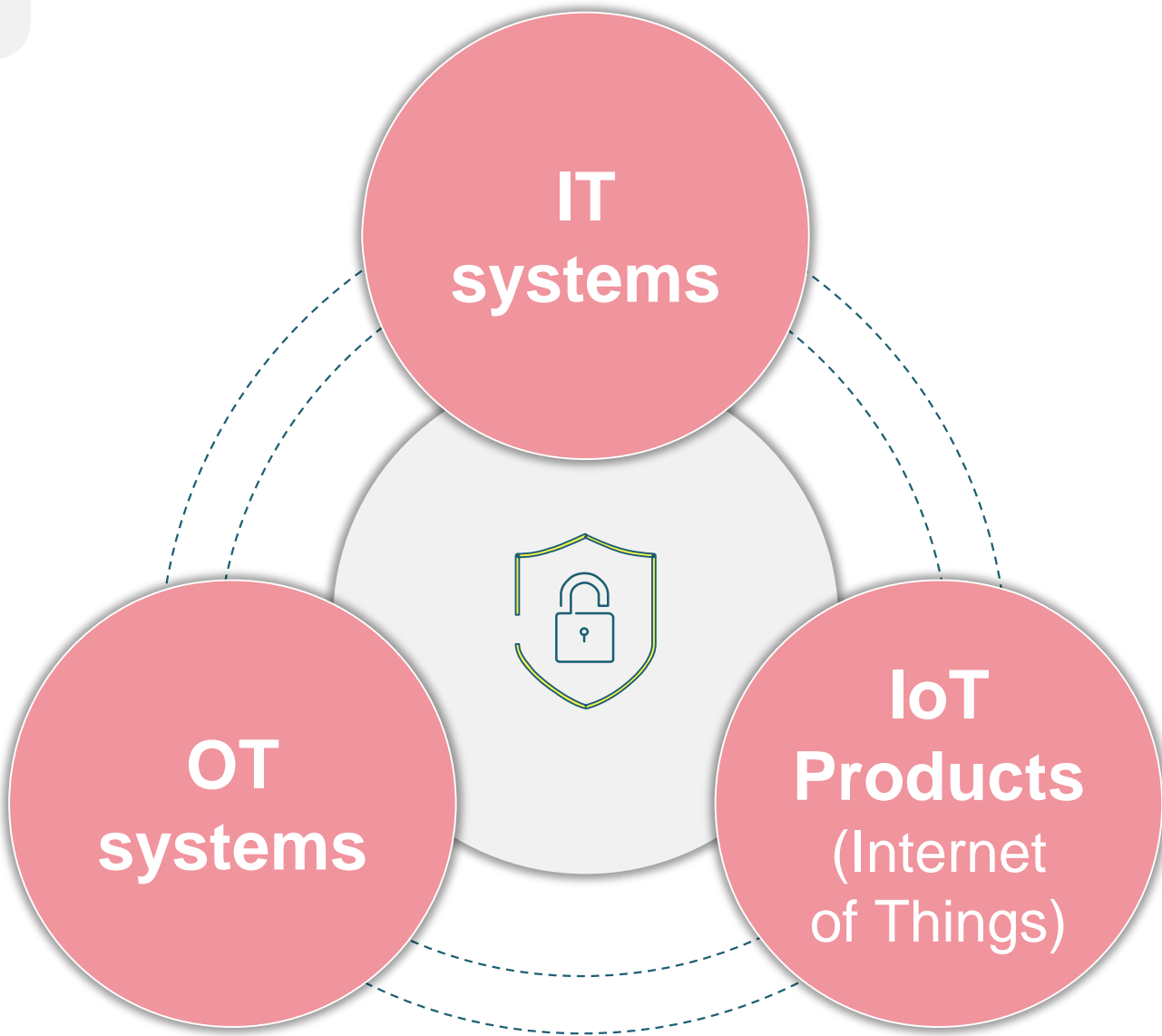
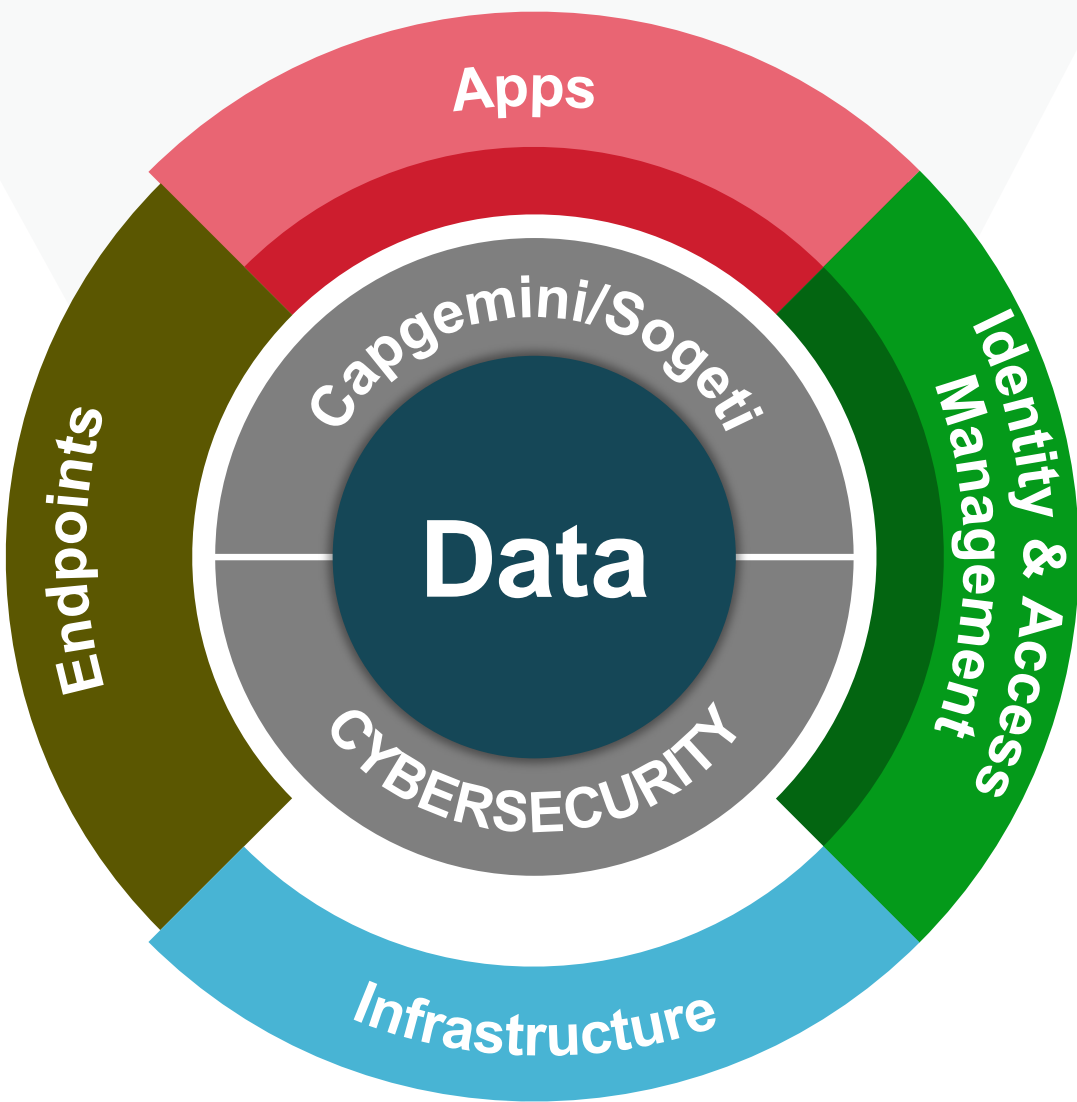
Cybersecurity services portfolio

3 families of Cybersecurity Services



15 control-points

1 Cybersecurity framework



Gartner >“Operational Technology (OT): industrial systems and manufacturing IT systems

50% standalone projects/50% security solutions integrated with larger Capgemini projects (growing faster)

IAM as-a-service >> Capgemini IDaaS

How to Balance Digital Transformation and User Security?



NEW OFFER: presented during RSA Exhibition in SF (March 16)
addressing IAM challenges and new customers' needs

Capgemini
CONSULTING TECHNOLOGY OUTSOURCING

kuppingercoire
ANALYSTS

CXP
Group

RSA

IDENTITY CRISIS

How to Balance Digital Transformation
and User Security



IAM and SOC are the foundations of security

Only 51% of traditional IAM projects are successful

New Customers' needs:

- **Access data & Apps from any devices through any IT deployments (traditional DC, private, public cloud)**
For 85% of organizations; access to cloud services is critical
- **Better user experience (authentication)**
84% ask for adaptative access [21% are equipped in Europe]
- **Manage different types of digital ID: employees (normal & IT admin), partners, consumers**
62%: extension to consumers is important [26% are equipped in Europe]

1st Advanced Data Analysis Security Operation Center

Dedicated SOC's or
ManagedSOC's

*Design & Build
Managed Security Services*

*7 multi-tenant operated from France, UK,
Luxemburg *2, Spain, Belgium*



Gain **complete visibility** of your IT and security system to **detect, analyze** and **react** to cyber attacks.

On-prem Data Centre/private cloud + public Cloud

Detect and **analyze** even the most advanced attacks before they can impact the business.

Response: Take targeted action on the most important incidents.

3rd Generation

Security Operations Centre (SOC) capability



About Capgemini

With more than 180,000 people in over 40 countries, Capgemini is one of the world's foremost providers of consulting, technology and outsourcing services. The Group reported 2015 global revenues of EUR 11.9 billion. Together with its clients, Capgemini creates and delivers business, technology and digital solutions that fit their needs, enabling them to achieve innovation and competitiveness. A deeply multicultural organization, Capgemini has developed its own way of working, the Collaborative Business Experience™, and draws on Rightshore®, its worldwide delivery model.

www.capgemini.com

