

# All Roads Lead to IT as a Service (ITaaS):

*Achieving business transformation with the cloud*



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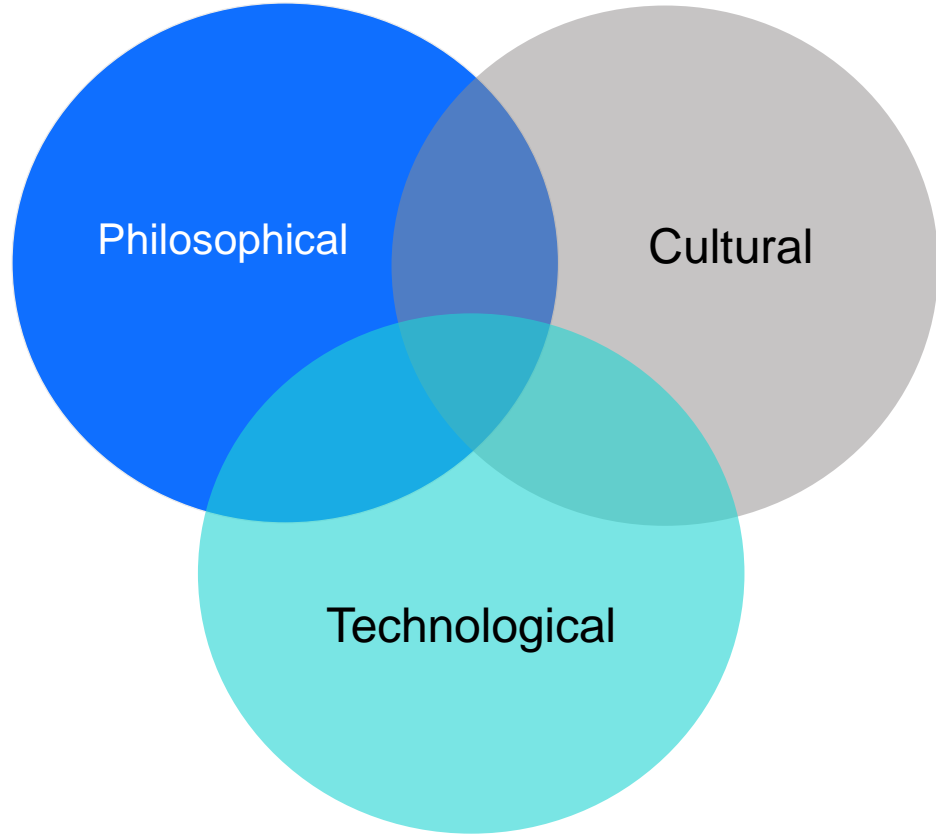
#oreillysacon



“The most successful software architectures are intentional, manifest, visible - and beautiful.”

~Grady Booch, IBM Fellow, Chief Scientist for IBM Watson and Software Engineering

# Common ground for Software Architects



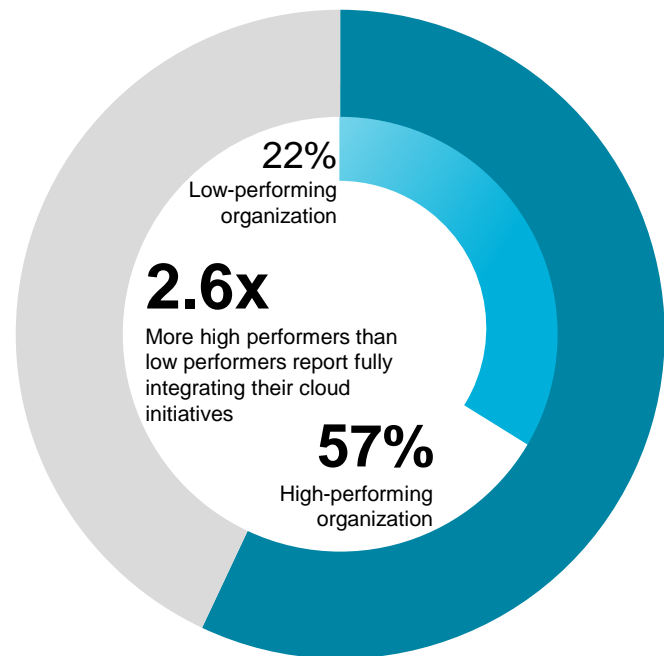
# Philosophical



# Beyond its impact as a technological innovation, cloud computing has expanded to become an integral part of business enablement

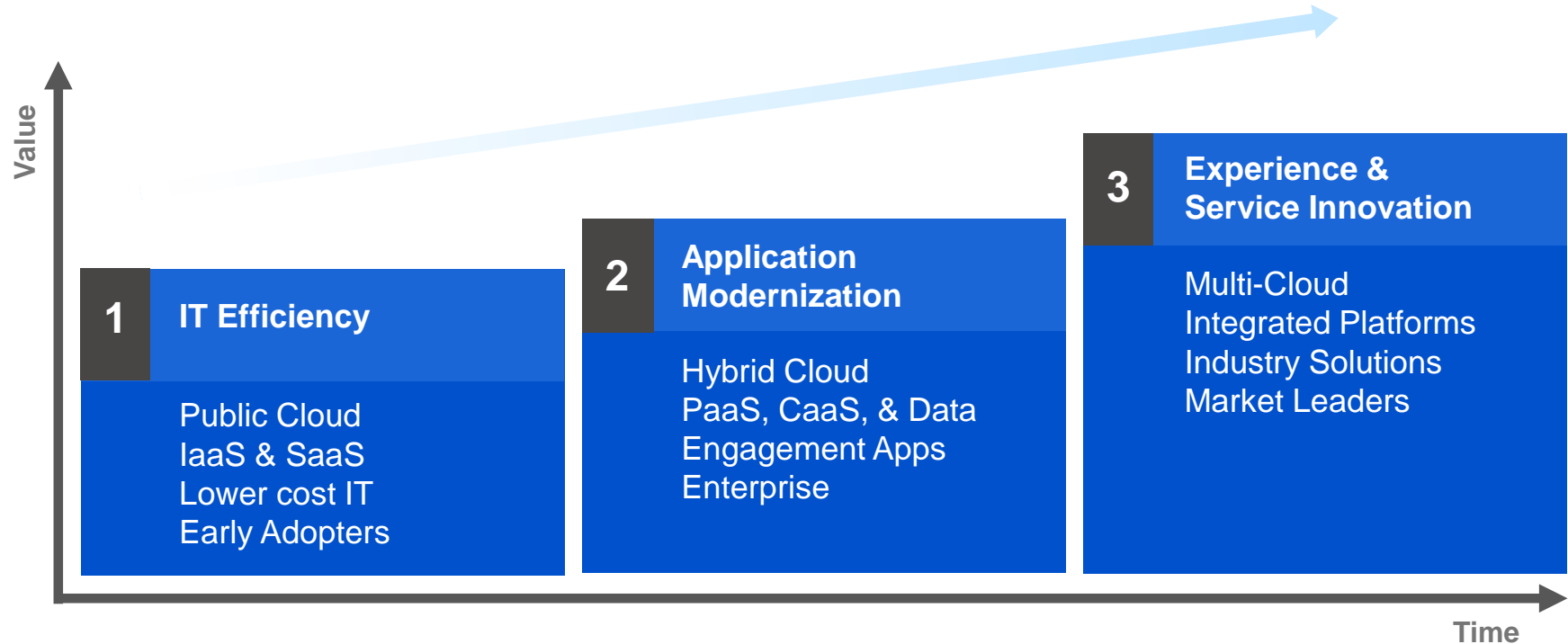
More than twice as many high performing organizations<sup>1</sup> report **fully integrate** their **cloud initiatives** as part of an overall strategic transformation than low-performing organizations

High performing organizations focus more on overall strategic cloud transformation



<sup>1</sup>High performing organization is defined as providing a "5" on scale 1 (low) to 5 (high) in both revenue/effectiveness and profit/efficiency performances  
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# Cloud is moving beyond cost and efficiency - and enterprises are demanding more



Business Innovation  
and the  
Art of the Possible  
in your hands

Experience



Engagement



Enablement

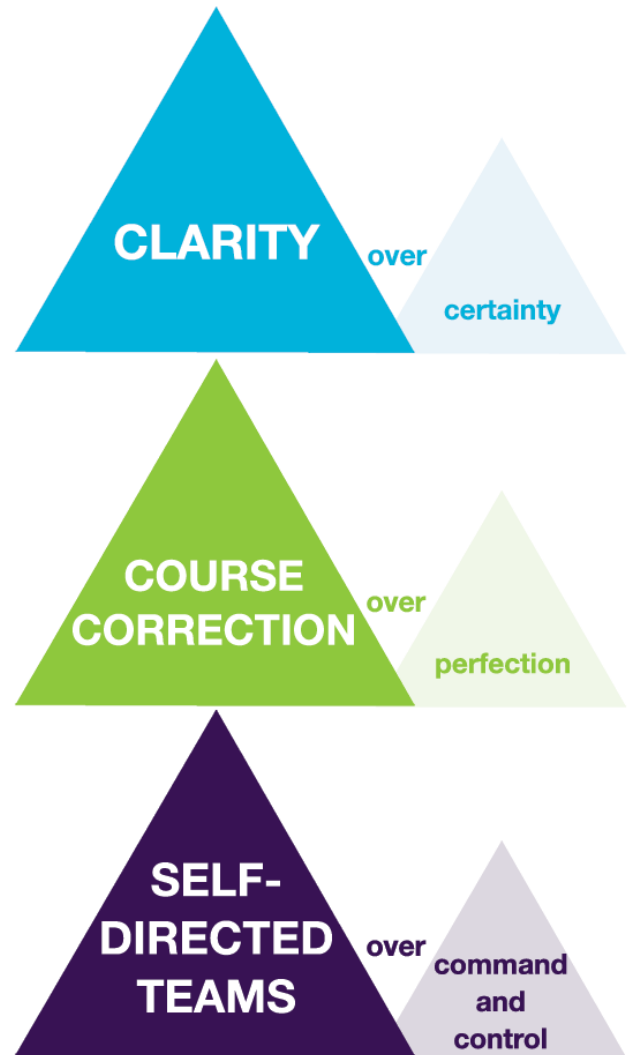


# Cultural

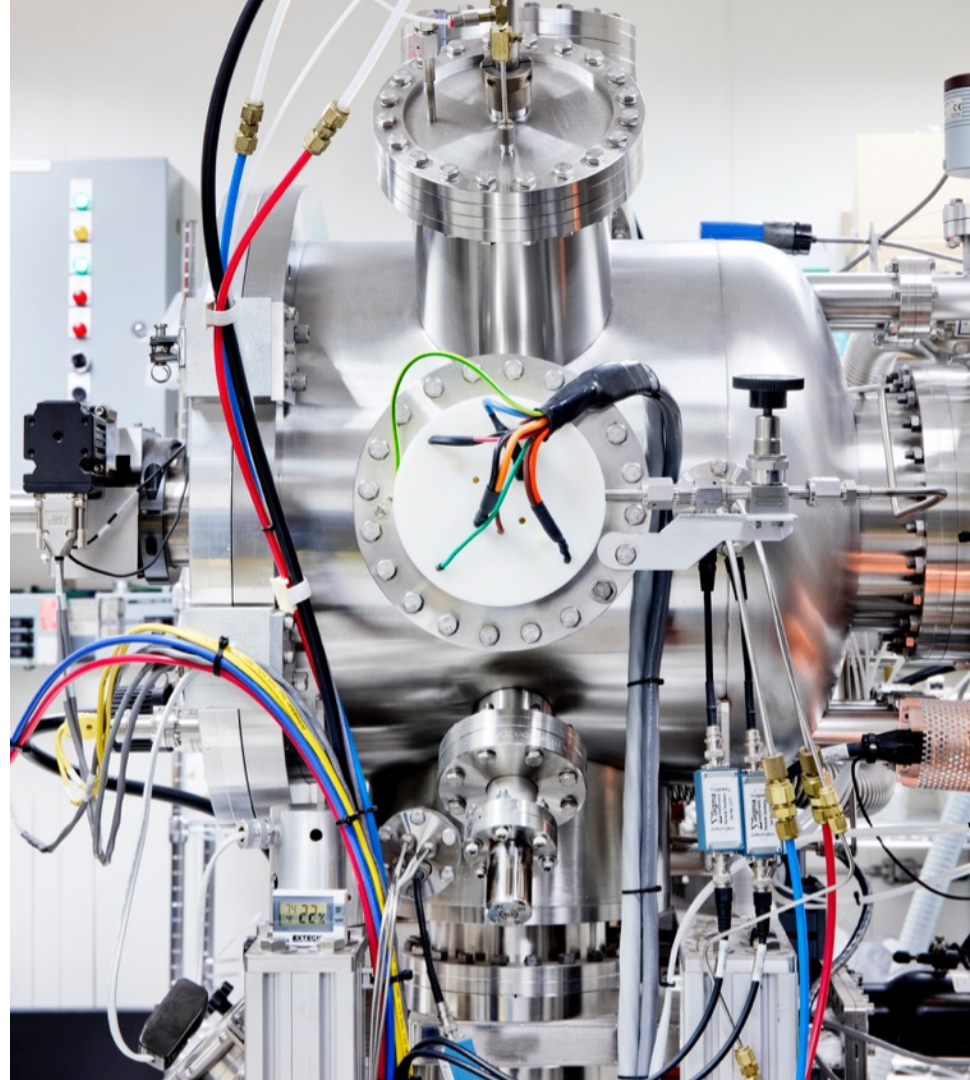




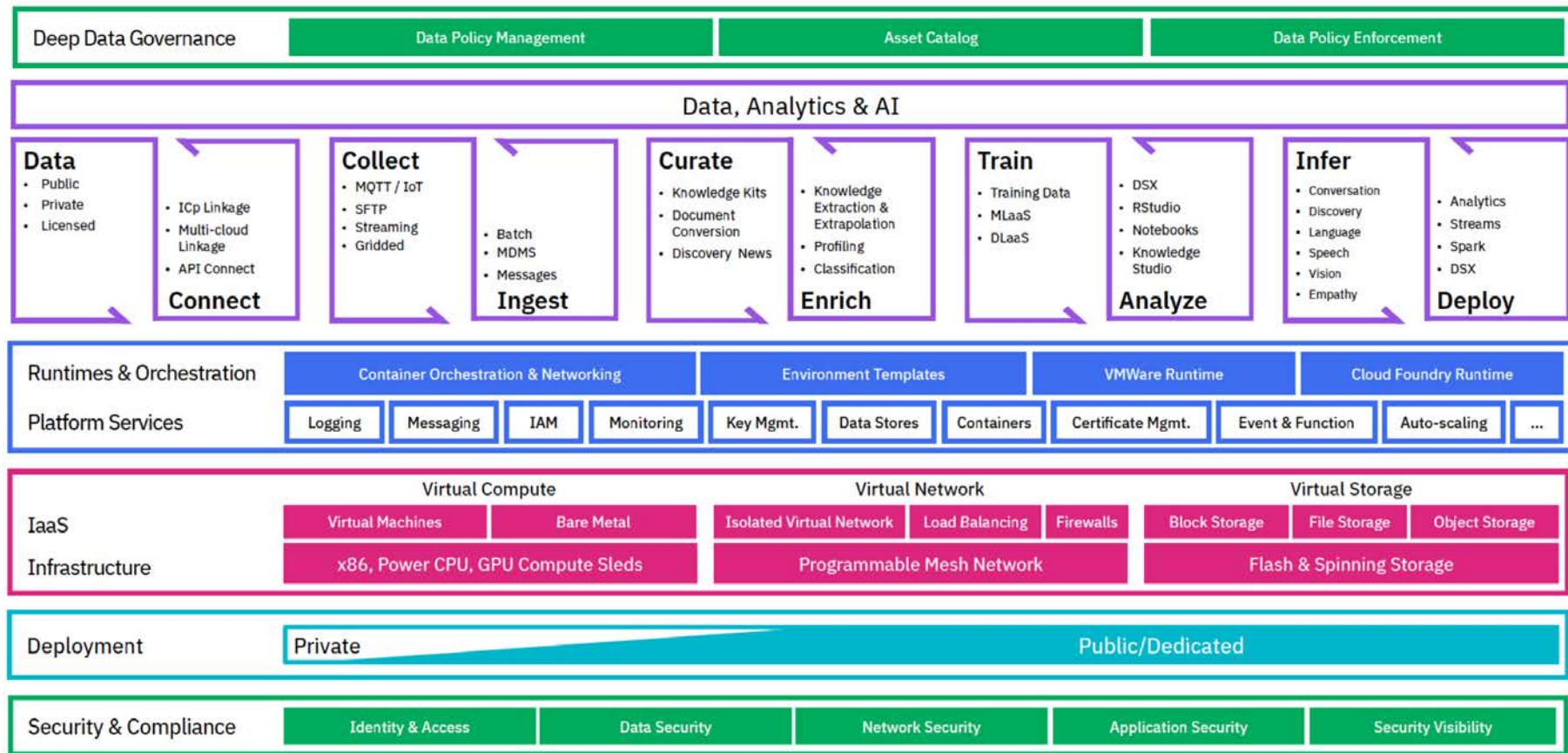
Collaborative culture  
to drive  
business outcomes



# Technological



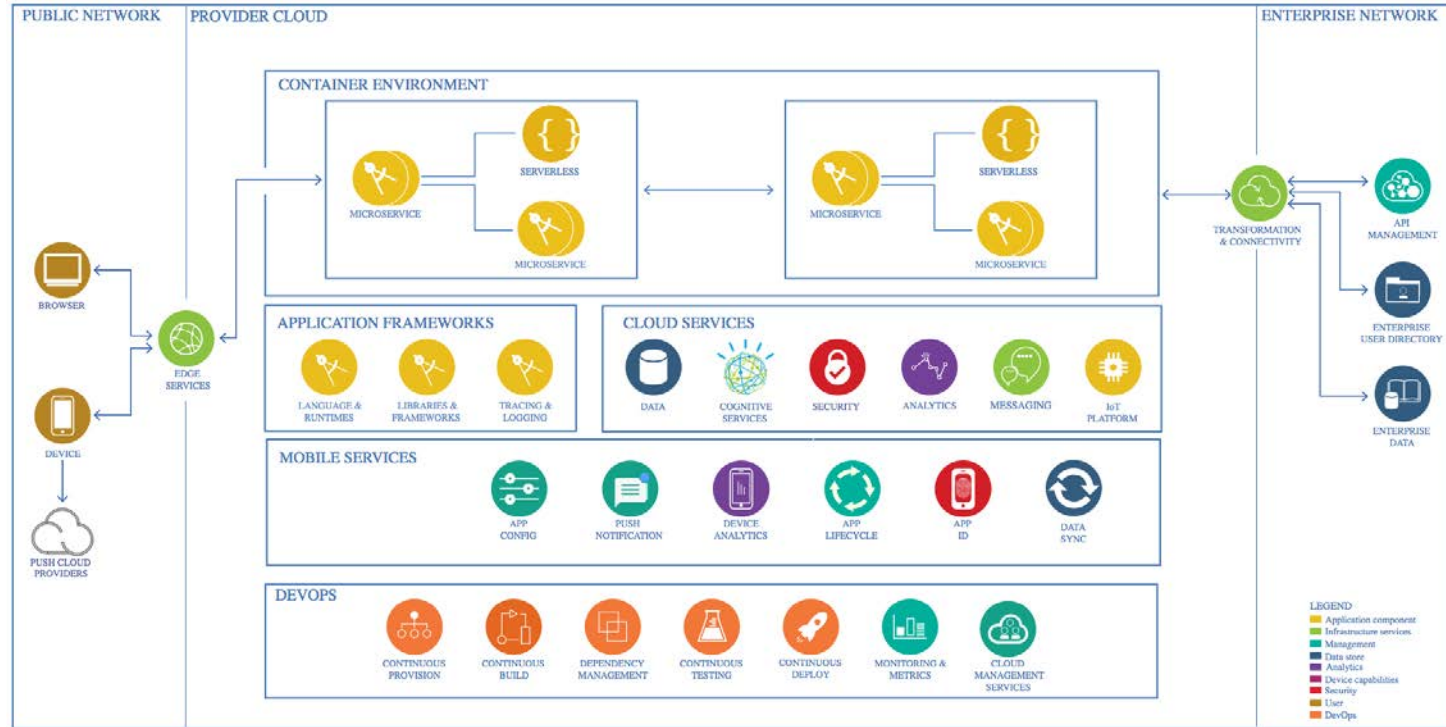
# IT as a Service (ITaaS)



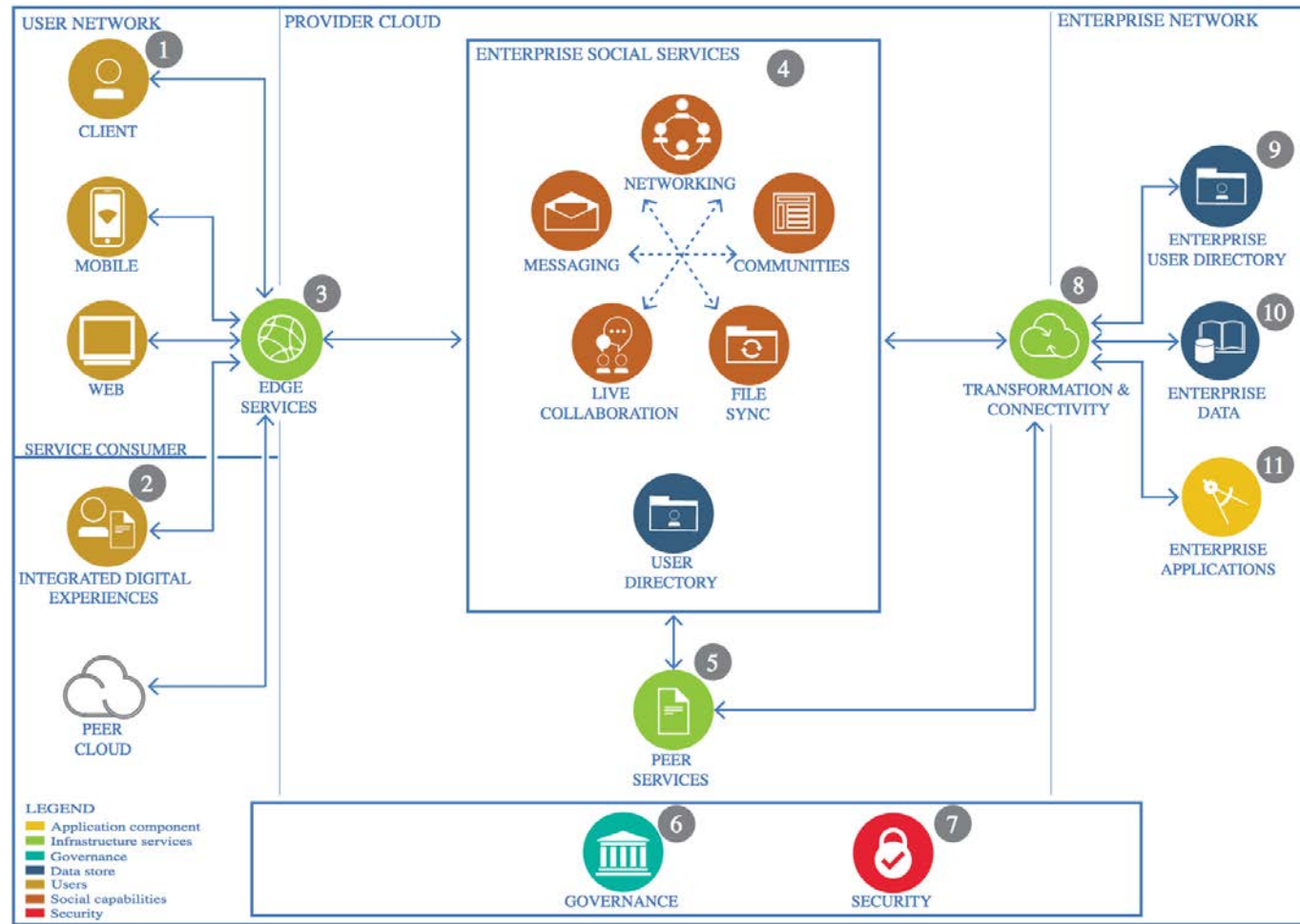
# The Digital Reinvention Framework



# DNA Signature of Mobile

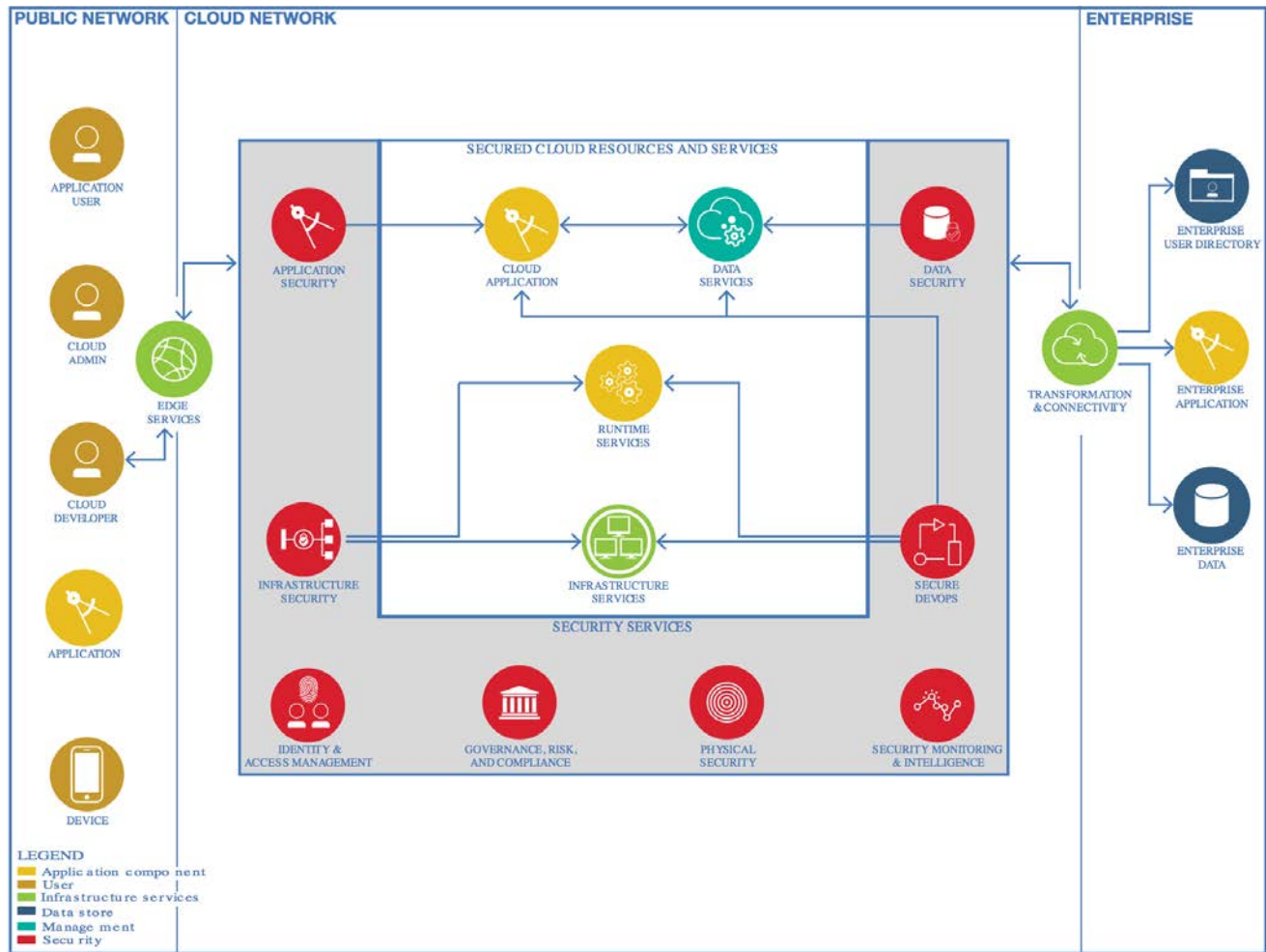


# DNA Signature of Social

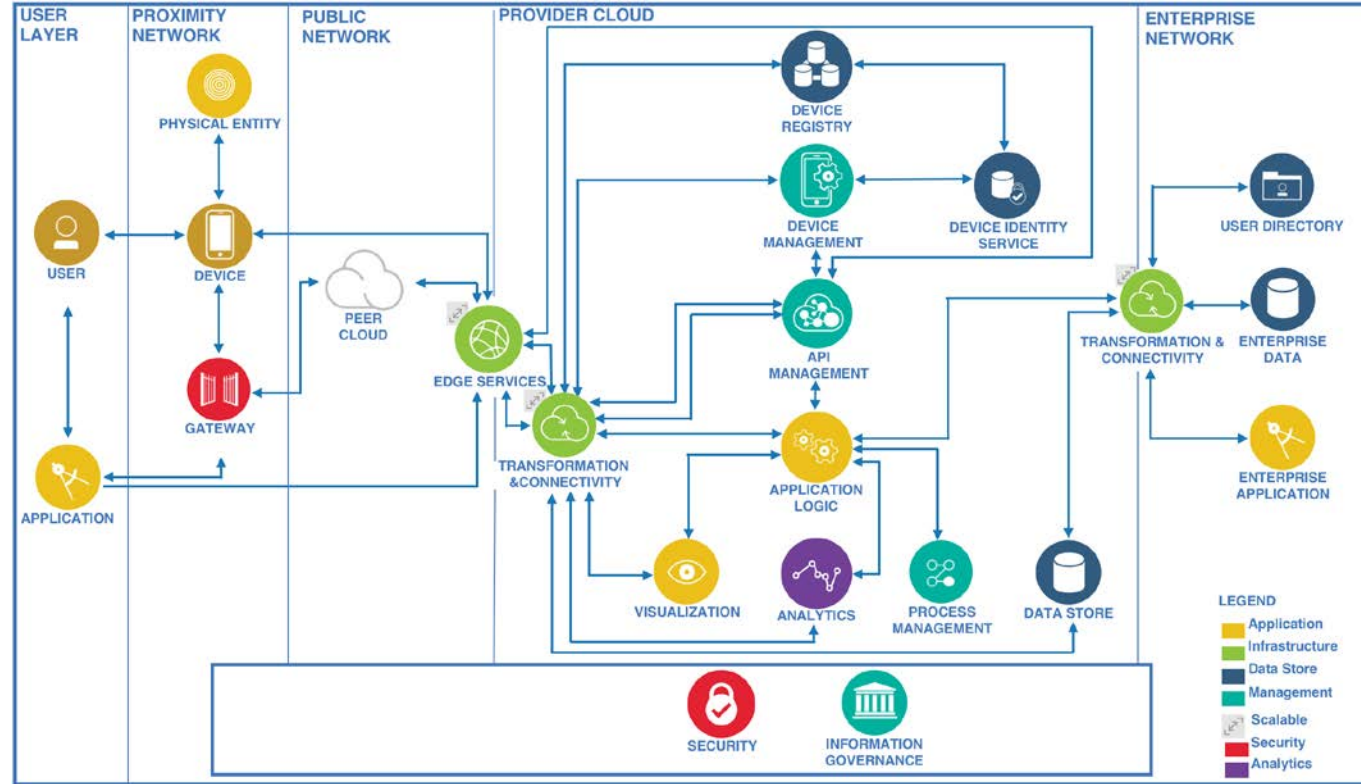




# DNA Signature of Security

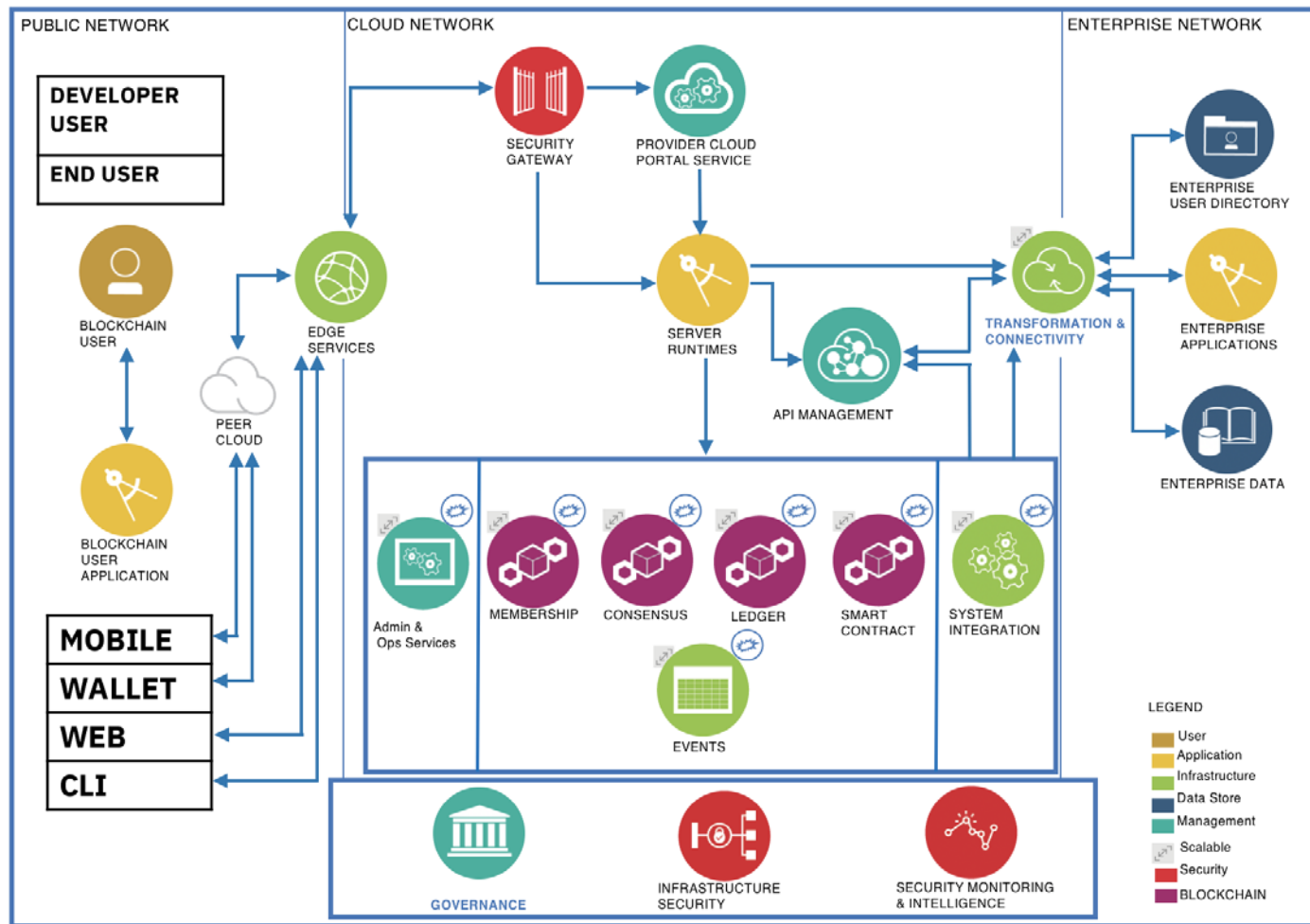


# DNA Signature of IOT



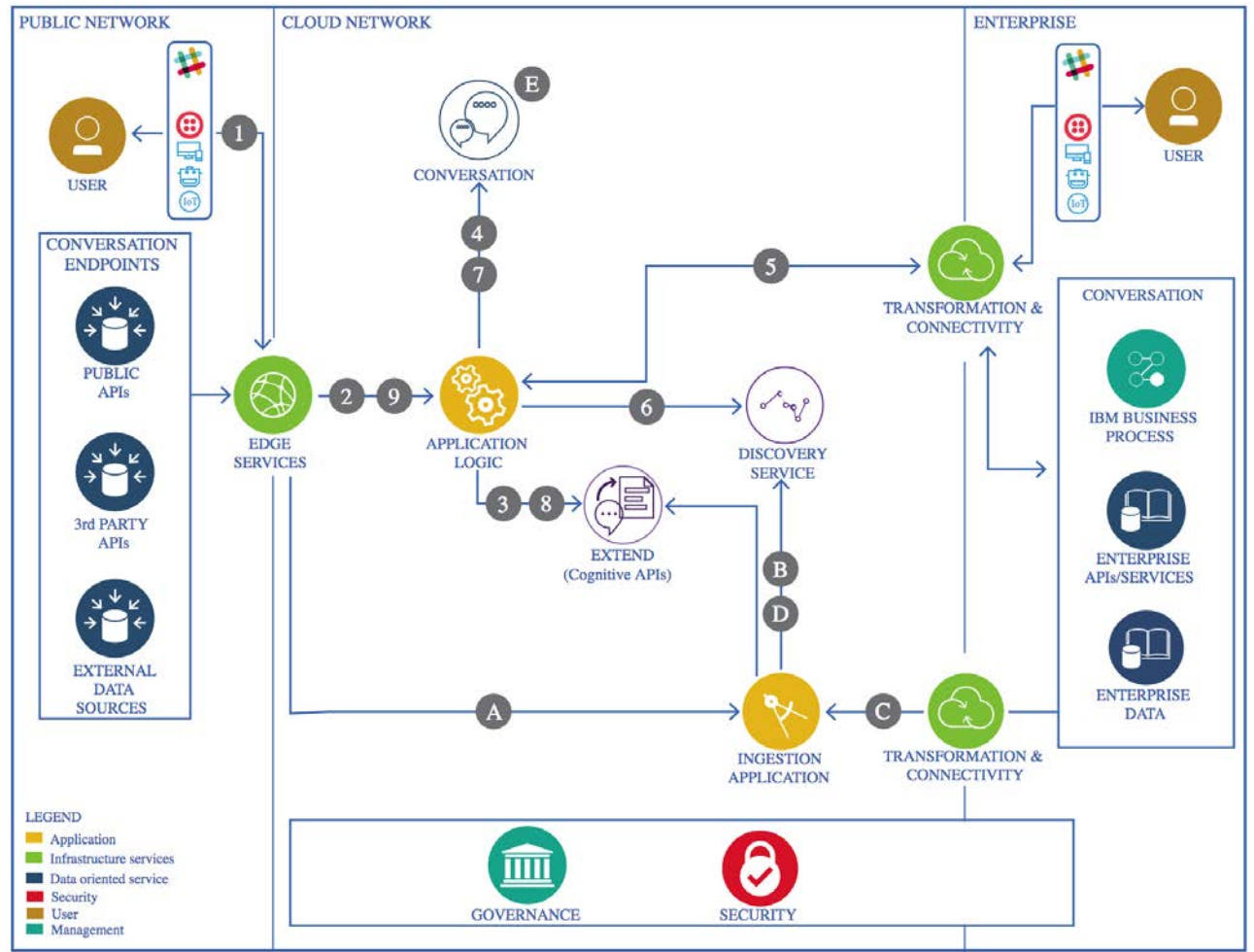


# DNA Signature of Blockchain

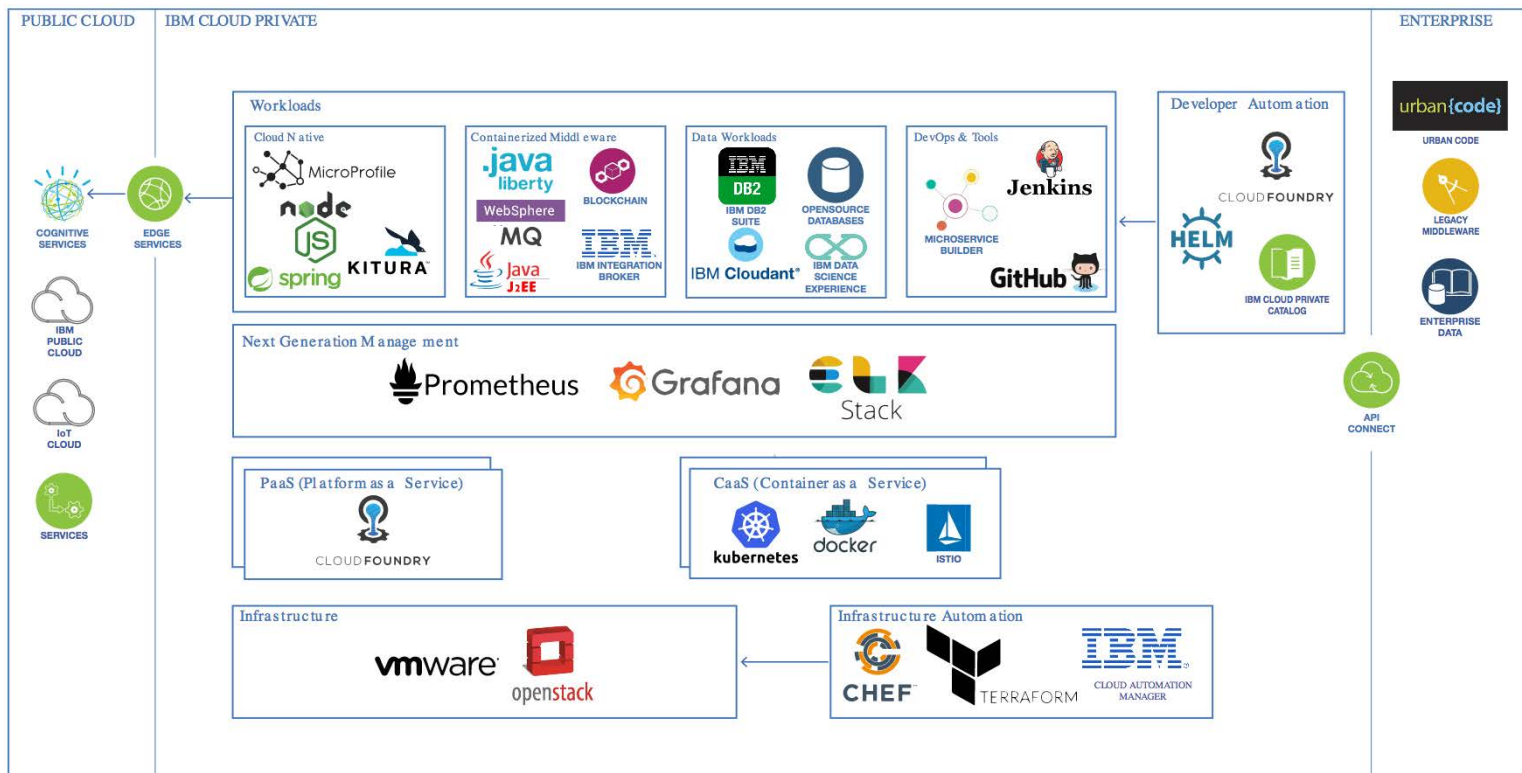


# DNA

## Signature of Cognitive



# Hybrid Cloud



# Full spectrum of compute options for any workload, across global infrastructure



## **Bare Metal**

Maximum performance  
and control



## **Virtual Server**

Leverage existing  
languages and tools



## **Containers**

Maximum portability



## **Platform as a Service**

Extensive runtime options



## **Serverless**

Maximum speed  
with serverless apps



**Architects** need to challenge the conventions of philosophy, culture and technology to create relevant architectures that are centered on business growth and innovation.

Here's how...



# The 4 key tenets of **cloud success**

Business  
Innovation



Cloud & Data  
Integration



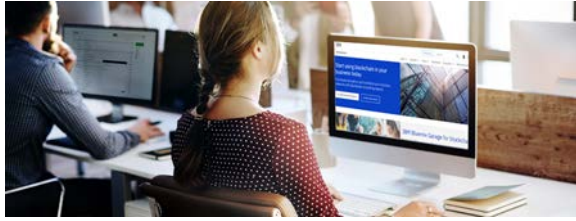
Security &  
Management



Investment  
Leverage



# Software Architect Learning Roadmap



[Cloud Computing  
Reference Architecture V5](#)



[Architecture Center](#)



[Cloud Learning Journeys](#)

A learning journey is a curated collection of learning content, both formal and informal, that can be used to acquire skills for a specific role or technology area.



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