# CLOUD IS HERE.

The conversation has changed from "should we move to cloud" to **"how do we move to cloud"**. We are at a tipping point – there is an explosion of cloud demand and organizations should follow a holistic approach whether it is a single cloud application or a enterprise transformation.

THE CLOUD NATIVE CONTEXT
CLOUD COMPUTING

PaaS

PUBLIC

HYBRID

PRIVATE

IaaS

SaaS
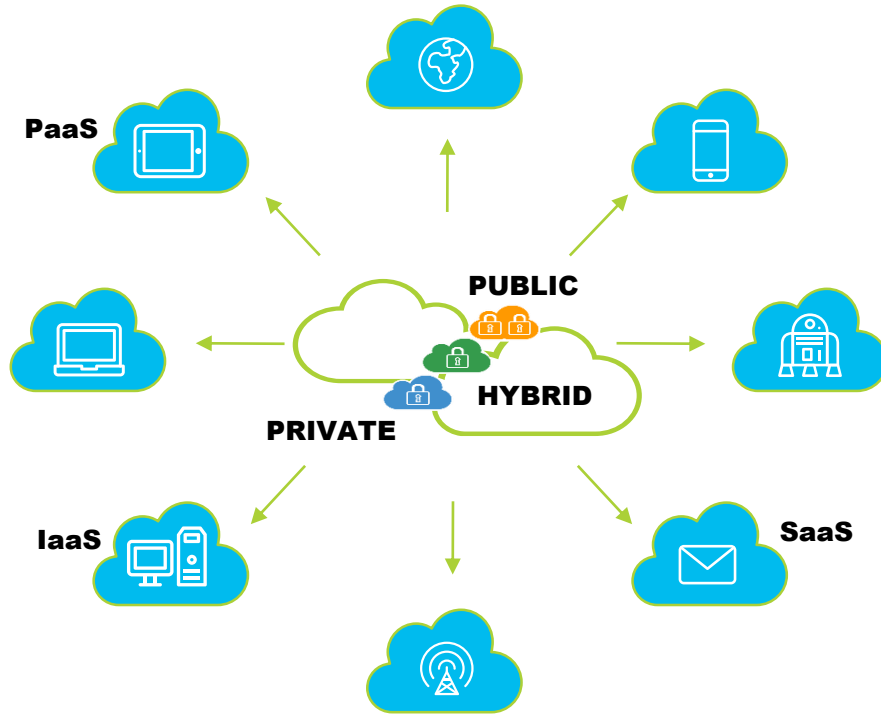
WHAT IS CLOUD?

Cloud computing is a model for enabling **on-demand** access to a **shared pool** of computing resources that can be rapidly provisioned and released with **minimal management effort**

CLOUD IS ASSUMED THE QUESTION ISN'T IF, IT'S WHEN AND HOW

2018

$1039 B

2017

$996 B

24.8%

22.5%

2019

$1087 B

27.1%
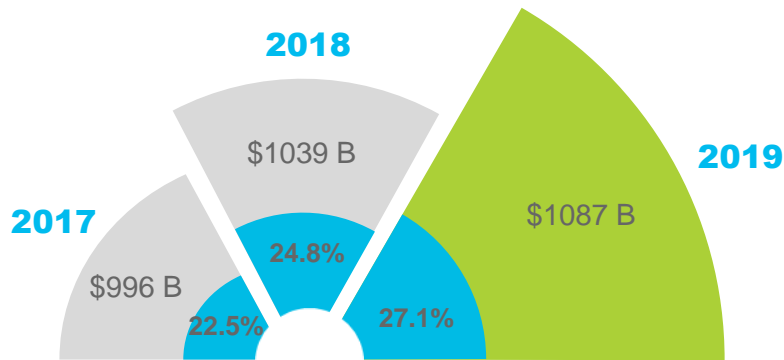
Global spend on Cloud Services is set to grow and account for **more than a quarter** (27.1%) of total IT Services spend by 2019

Source: Gartner Market Statics - Forecast: Public Cloud Services, Worldwide, 2013-2019, 3Q15 Update and IT Services, Worldwide, 2013-2019, 3Q15 Update

By 2019, **91% of companies** will be using public cloud

Source: Morgan Stanley 2016 CIO Survey

More than 60% of enterprises will have at least half of their infrastructure on cloud-based platforms by 2018

Source: Saugatuck Technology - Digital Business, Rethinking Fundamentals.

Over 80% of enterprises globally will be using IaaS by 2018
Source: RackSpace - The Role of Cloud in IT Modernization: The DevOps Challenge

WHY ARE ORGANIZATIONS MOVING TO CLOUD?

SPEED & AGILITY

COST EFFICIENCY & OPTIMIZATION

IMPROVE SERVICE LEVELS

SECURITY & CONTROL

SECURITY HAS BEEN ONE OF THE BIGGEST OBSTACLES TO CLOUD ADOPTION

MYTHS OF CLOUD SECURITY

1. Inherently Insecure?

Reality:

"… providers like Microsoft & Amazon are taking Herculean efforts to secure their environments in a way Enterprises cannot afford."

2. There are more breaches in the cloud

Reality:

"When the correct security policies for preventing attacks and detecting them are implemented, attacks are no more threatening to the cloud than any other piece of infrastructure"

3. Physical control of data implies security

Reality:

"The various high profile security breaches over the past few months have served to highlight that the physical location of the data matters less than the access and associated controls"

4. Cloud security is far too difficult to maintain

Reality:

"…firewall configurations, penetration testing, VPNs, etc. are all just as important when working with a cloud provider as they are when working on premise."

20 of the Greatest Myths of Cloud Security, CIO.com

HOW ARE ORGANIZATIONS MOVING TO CLOUD?

JOURNEY TO CLOUD

STRATEGY, ASSESSMENT AND ROADMAP

Defines the Journey to Cloud

CLOUD TRANSFORMATION AND MIGRATION

Executes the Journey to Cloud

CLOUD MANAGEMENT AND OPTIMIZATION

Manages & Operates on Cloud

THE JOURNEY TO CLOUD IS COMPLEX AND HAS MANY OBSTACLES

Application
Cloud readiness, workload and industry portability

Optimization
Difficulty in optimizing and managing cloud consumption

Shortage
of specialized cloud skills in a resource scarce market

Transition
people, process and tools to cloud-enabled operating model

THE FUTURE IS ABOUT CONSUMING TECHNOLOGY, NOT OWNING IT

DIRECTION IS TOWARDS PUBLIC CLOUD

PUBLIC CLOUD FIRST	RAPID ELASTICITY	ON DEMAND SELF-SERVICE	MEASURED SERVICE	MANAGED SERVICE

Private cloud not delivering value expected.
Cloud is much more than virtualisation

Next generation applications are Cloud based.
No legacy applications will be retained

Cloud success requires new skills.
Senior leadership needs to set the vision and pace