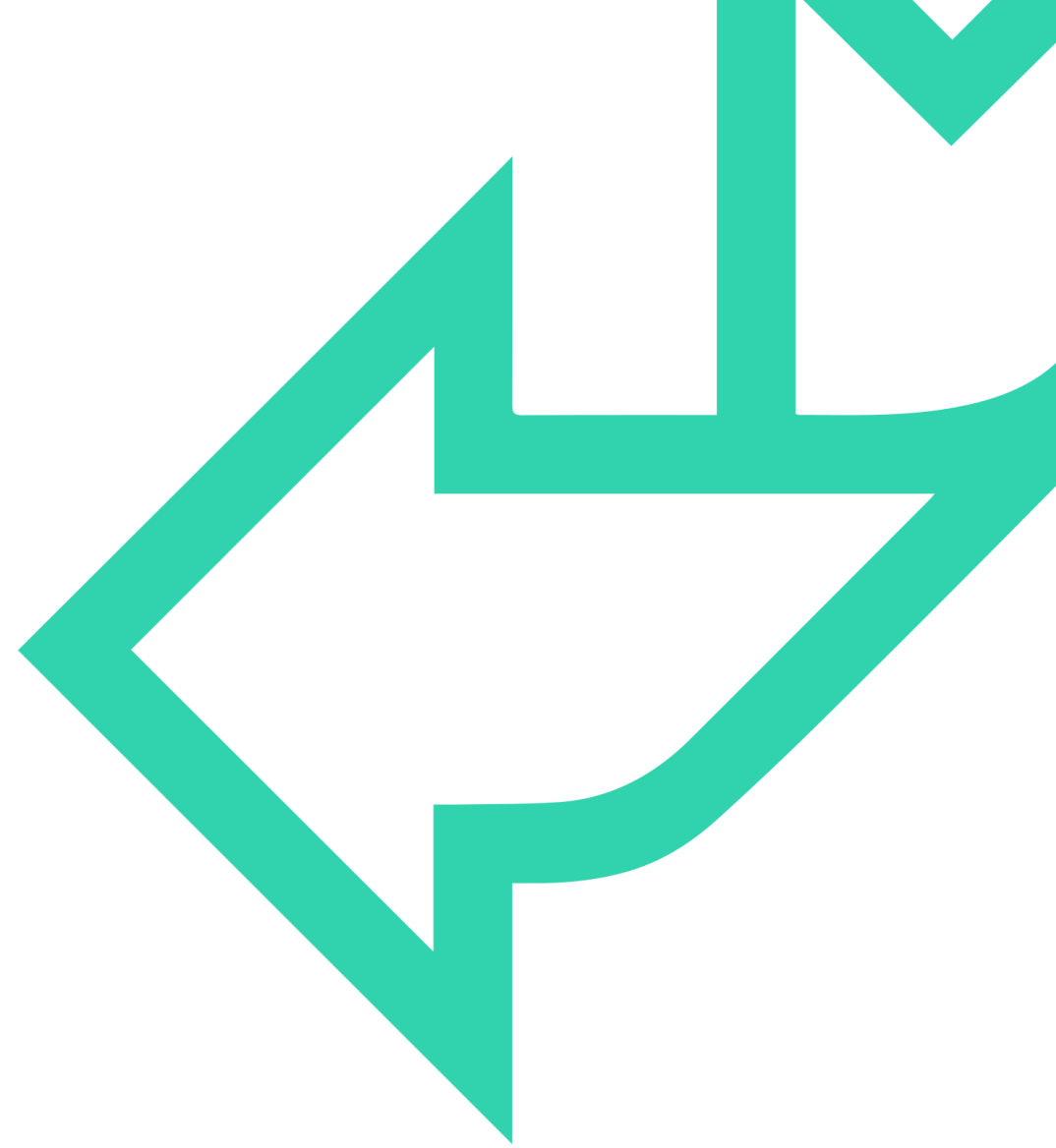


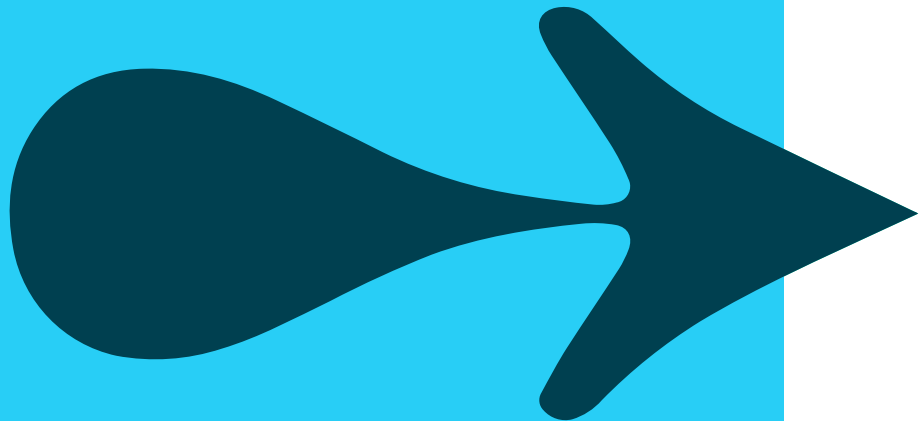


Service Models and Cloud





WHAT IS THE CLOUD?



Cloud Computing is a blanket term for computing that is done relying on processes accessed through the internet to a closed network of servers

Cloud Computing is simply accessing a different companies server room, there is always a server being used somewhere

Cloud Computing requires a LARGE investment and so is only accessible through the tech giants:

- Google Cloud GCP
- Amazon Web Services AWS
- Microsoft Azure AZ
- Oracle Cloud
- SalesForce



Benefits of the Cloud

The 'Cloud' is a service provided by a variety of different companies under different price points and different strategies

There are some underlying features and benefits that are true to all cloud providers:

- On Demand and Consumption Pricing
- Broad and varied network access
- Auto Scaling and elasticity
- Fault Tolerance and Security
- Economies of Scale

Cloud Infrastructure is 99% of the time cheaper to start developing but generally has higher upkeep costs than a private dedicated physical server



SERVICE MODELS



Cloud Computing typically requires use of an API to sit between the Servers and the Customer

By having this software standing here you can modify it in different ways to offer a variety of different types of services which give you different levels of customisation and flexibility

By tailoring the control of what the users can do with your servers you are able to charge premiums to control and maintain parts of the Development process so the user doesn't have to consider parts of the app



Service Model types

On Premises	Infrastructure As A Service	Platform As A Service	Software As A Service
App	App	App	App
Runtime	Runtime	Runtime	Runtime
Middleware	Middleware	Middleware	Middleware
OS	OS	OS	OS
Virtualisation	Virtualisation	Virtualisation	Virtualisation
Physical Servers	Physical Servers	Physical Servers	Physical Servers
Networking	Networking	Networking	Networking