

# Vodacom Business Cloud Connect



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# Agenda

- **What is Cloud Connect?**
- **AWS Direct Connect**
- **Benefits of Cloud Connect**
- **Cloud Connect Connection Types**
- **Our Approach**



# What is Cloud Connect?

01

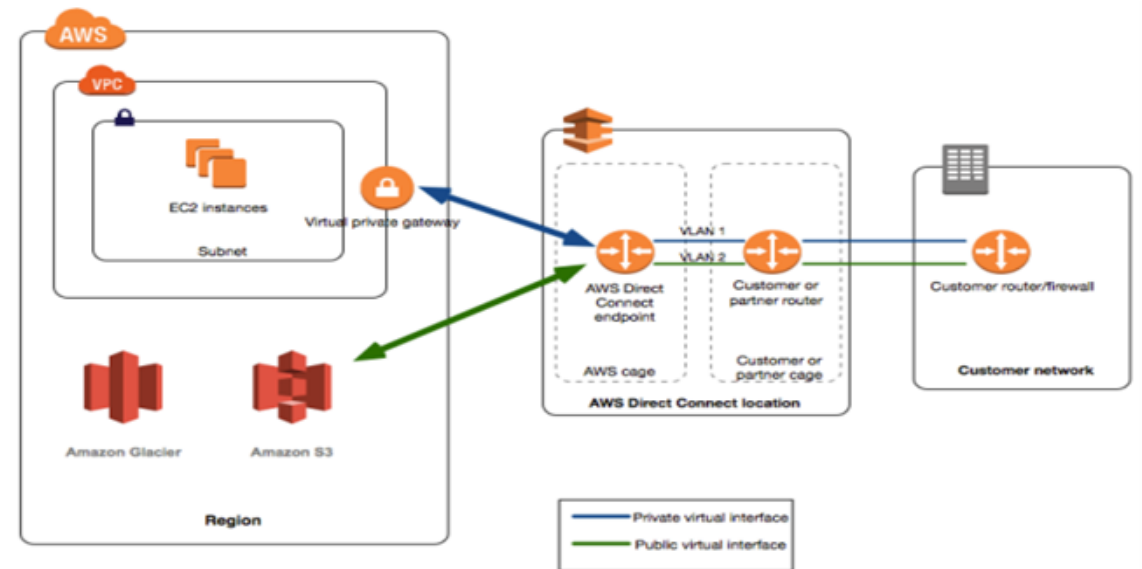


# What is Cloud Connect?

“Can I securely and reliably connect to my AWS environment with a dedicated link”

Cloud Connect is the parent name for Vodacom connectivity into public cloud providers.

This presentation specifically focuses on AWS Direct Connect.



# AWS Direct Connect

02



## **AWS Direct Connect**

**AWS Direct Connect allows customers to securely and reliably connect a customer from the desired location, over a dedicated private link, into an AWS Direct Connect location.**

**As customers moves to the cloud, we see this as a key service which a large amount of our MPLS/APN customers can leverage.**

**We would like to highlight the value of AWS Direct Connect from Vodacom and its roles and responsibilities in different areas a customer can expect between Vodacom, AWS, and themselves.**



# Benefits of Cloud Connect

03



# Benefits of Cloud Connect

## Reduce your bandwidth costs

Bandwidth-heavy workloads **run** within the AWS environment can see the Cloud Connect reduce your network costs into and out of AWS in two ways. Traversing data to and from AWS directly, you can reduce your bandwidth commitment over your respective internet breakout, and with the dedicated connection, you can commit to reduced rates compared to that of internet data rates.

## Private connectivity to your AWS VPC

You can use Cloud connect to establish a private virtual interface from the on-premise network directly to your AWS VPC, providing you with a private, high bandwidth network connection between your network and your VPC. With multiple interfaces, you can even establish private connectivity to multiple VPC's, while maintaining network isolation.





# Benefits of Cloud Connect

## Consistent network performance

Network latency and performance over the internet is a 'best effort' service, so committing on which and how data is routed from the source to the desired location can provide a more consistent network experience over Internet-based connections.

## Elasticity

Cloud Connect makes it easy to scale your connection to meet your needs and can provide multiple connection methods and capacity.

You can easily provision multiple connections if you need more capacity.



# Benefits of Cloud Connect

## Compatibility with all AWS services

Cloud Connect is a network service and works with all AWS services that are accessible over the internet.

## Reduce your bandwidth costs

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# Cloud Connect Connection Types

04



# Cloud Connect Connection Types

## Dedicated Connection

50 NNIs/VIFs  
+  
1 transit NNI/VIF

Dedicated 1/10Gbps links terminating on dedicated Vodacom ports

## Hosted Connection

1 NNI/VIF

50 Mbps, 100 Mbps,  
200 Mbps and 500 Mbps  
options

Hosted 2X 10Gbps links shaped

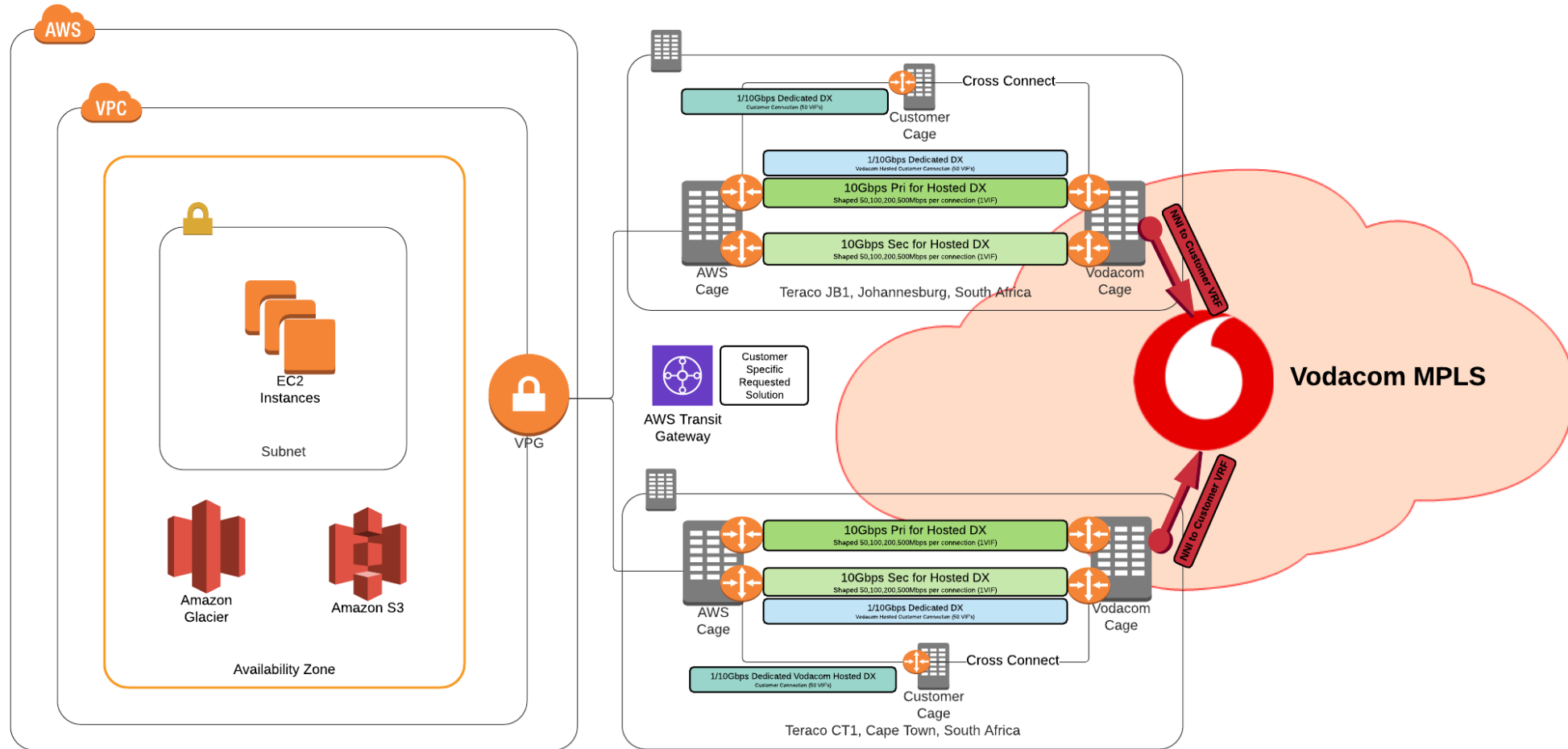


# Cloud Connect Connection Types

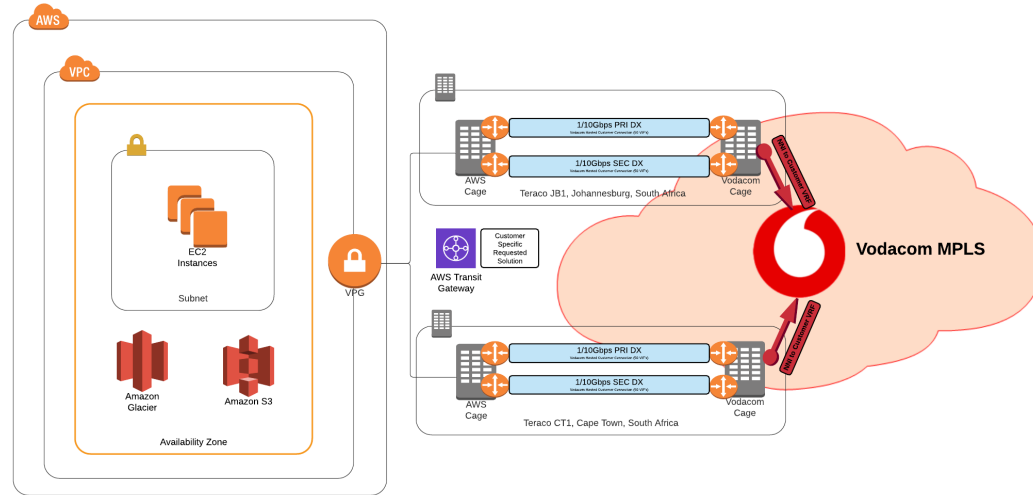
	Hosted DX	Dedicated DX
<b>Connection Type</b>	Shared 10Gbps (Pri+Sec) links	Dedicated Link
<b>Speeds Supported</b>	50, 100, 200, 500Mbps (Shaped)	1, 10Gbps
<b>AWS Interfaces</b>	1X NNI/VIF	50X NNI/VIF's
<b>Responsibility</b>	AWS Portal: Vodacom requests connection Customer accepts connection	AWS Portal: Customer requests connection Customer provides LOA to Vodacom
<b>Locations</b>	Teraco JB1, South Africa  Teraco CT1, South Africa	Teraco JB1, South Africa  Teraco CT1, South Africa



# AWS Detailed Direct Connect



# AWS Hosted Direct Connect



- Customer creates dedicated 1/10Gbps connection in portal
- Customer provides LOA to Vodacom
- Vodacom creates physical connectivity
- Customer creates virtual interface and virtual gateway
- Customer provides Vodacom with BGP details
- Vodacom extends customer VRF through NNI connection
- Vodacom creates BGP peering to customer AWS environment
- Transit Gateway available per customer specific requests



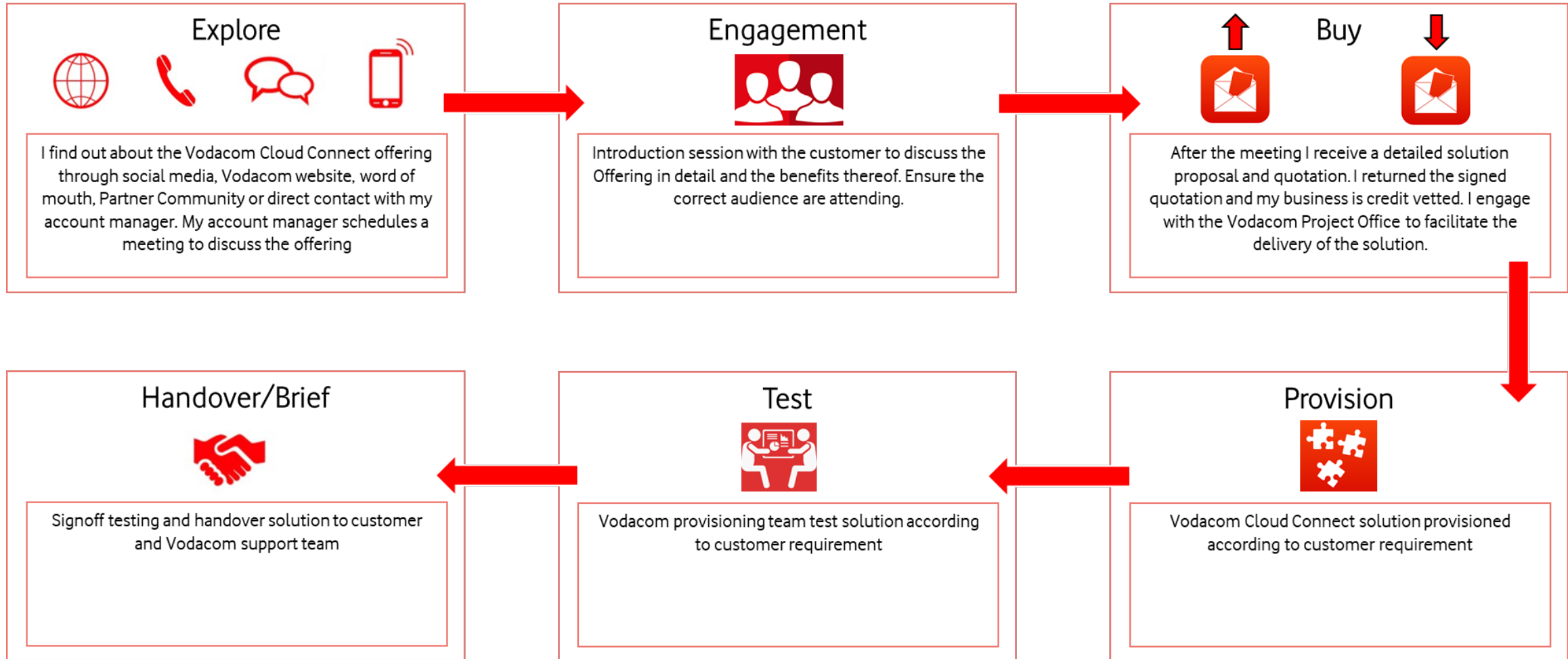
# Our Approach

05





# Customer Journey





**vodacom**  
business

Further together