

A person is visible from the chest up, wearing a yellow and black horizontally striped shirt. The background is a plain, light color.

**ORACLE**



# Base de Datos Convergente: ATP Multicloud Workshop



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Manager

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**Belén Hernández**

**Carlos Martin**

14, 15 y 16 de Julio de 2020 Zoom sessions

## **Safe harbor statement**

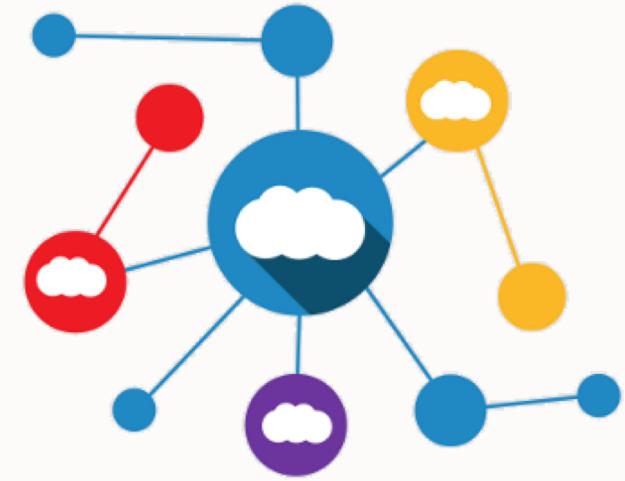
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The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions.

The development, release, timing, and pricing of any features or functionality described for Oracle's products may change and remains at the sole discretion of Oracle Corporation.

# Agenda

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**OVERVIEW**



# Agenda

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OVERVIEW



# The new IT is Multi-Cloud



# Oracle and 3rd party public clouds

How to consume Oracle technology in/with other public clouds

AVAIL.: availability of Oracle database technologies by cloud vendor  
MODE: type of cloud service (IaaS, PaaS) where Oracle database runs  
ENTER: possibility of using Oracle database enterprise capabilities

## Multi-Cloud

	AVAIL.	MODE	ENTER.
Azure	✓ <sup>(1)</sup>	PaaS	✓ <sup>(2)</sup>
AWS	✓	PaaS	✓ <sup>(2)</sup>
Google	✓	PaaS	✓ <sup>(2)</sup>

## IaaS/PaaS

	AVAIL.	MODE	ENTER.
Azure	✓	IaaS	✓ <sup>(3)</sup>
AWS	✓	IaaS	✓ <sup>(3)</sup>
		PaaS	X
Google	X	X	X

## Bare Metal

	AVAIL.	MODE	ENTER.
Azure	X	X	X
AWS	✓	IaaS	✓ <sup>(5)</sup>
Google	! <sup>(4)</sup>	IaaS	! <sup>(5)</sup>

## Cloud Adjacent

	AVAIL.	MODE	ENTER.
Azure	✓ <sup>(1)</sup>	PaaS	✓ <sup>(6)</sup>
AWS	✓	PaaS	✓ <sup>(6)</sup>
Google	✓	PaaS	✓ <sup>(6)</sup>

<sup>(1)</sup> Azure-OCI partnership that includes connectivity, SSO and collaborative support model

<sup>(2)</sup> Accessing through to OCI and Autonomous Database via Fast Connect

<sup>(3)</sup> BYOL for IaaS model according to the policy for authorized cloud vendors ([doc](#))

<sup>(4)</sup> By co-location hoster or MSP

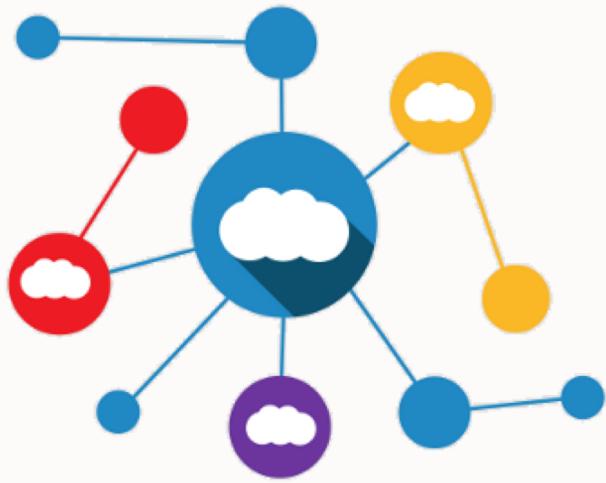
<sup>(5)</sup> BYOL according to on-premises licensing policy ([doc](#))

<sup>(6)</sup> Cloud at Customer with Autonomous Database coming soon



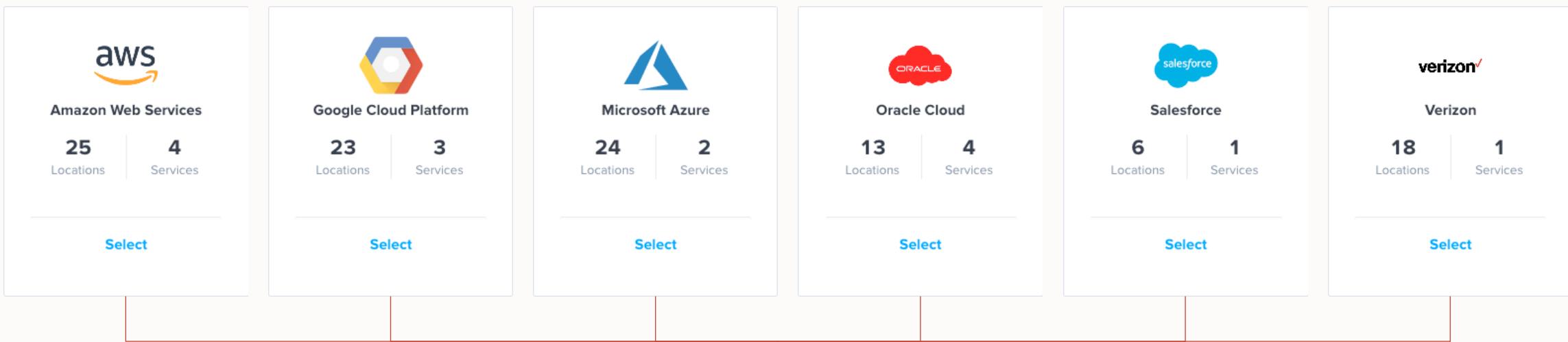
# Agenda

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# Multicloud momentum with Equinix

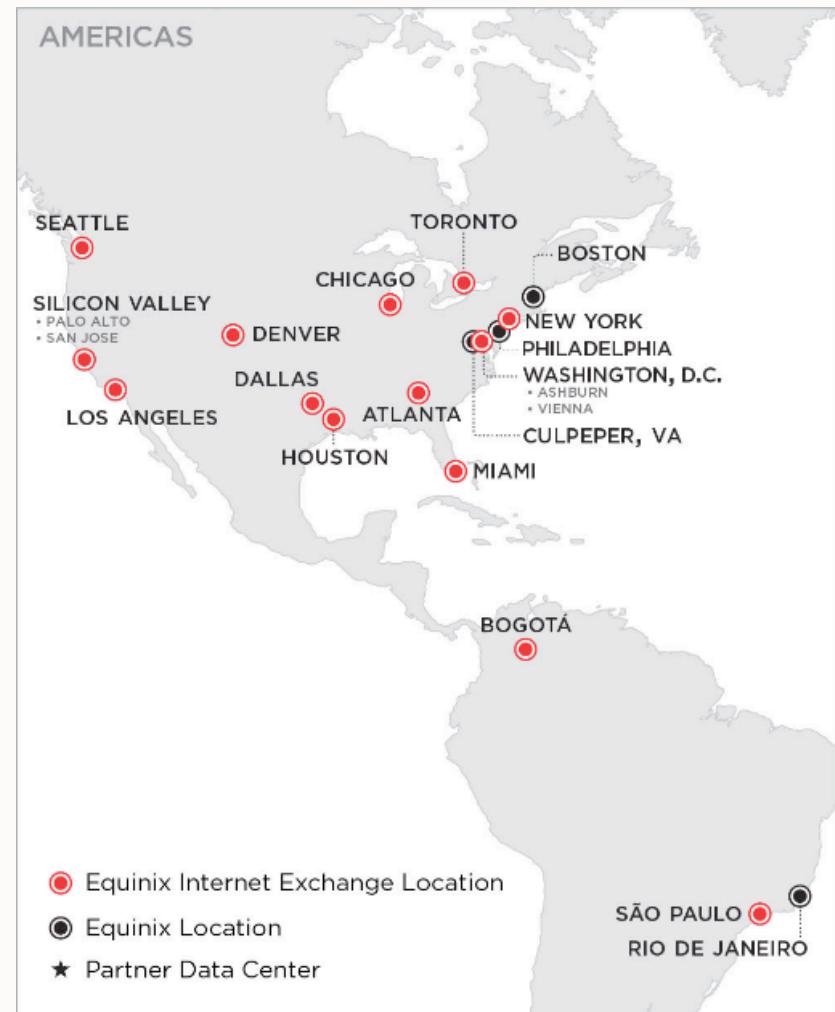


## ECX Fabric

Globally-distributed, on-demand, virtual interconnection service that enables our customers to connect effortlessly to...

[Read more >](#)

# 30+ Internet Exchange Points Around the Globe





# ECX Fabric Portal (CXP) Pricing

- The ECX Fabric Portal shows the total price and the cost of the components (local and remote connections).
- The pricing in the portal is reflected with an existing Price Agreement (PA).
- Price will be displayed in the currency based on the A-end metro.

The screenshot shows the Equinix Cloud Exchange Fabric (CXP) Pricing Portal. At the top, there's a navigation bar with the Equinix logo, 'CLOUD EXCHANGE FABRIC™', and links for 'My Company', 'Inventory', 'Support', 'Create Connection' (which is highlighted in blue), and a user dropdown 'uatbuyer1'. Below the navigation is a section titled 'Connection Speed' with four options:

- Billing Tier: Up to 50 Mbps. Speed: 50 Mbps. Monthly Charge: Select Speed.
- Billing Tier: Up to 200 Mbps. Speed: 200 Mbps. Monthly Charge: Select Speed.
- Billing Tier: Up to 500 Mbps. Speed: Select Speed.
- Billing Tier: Up to 10 Gbps. Speed: Select Speed.

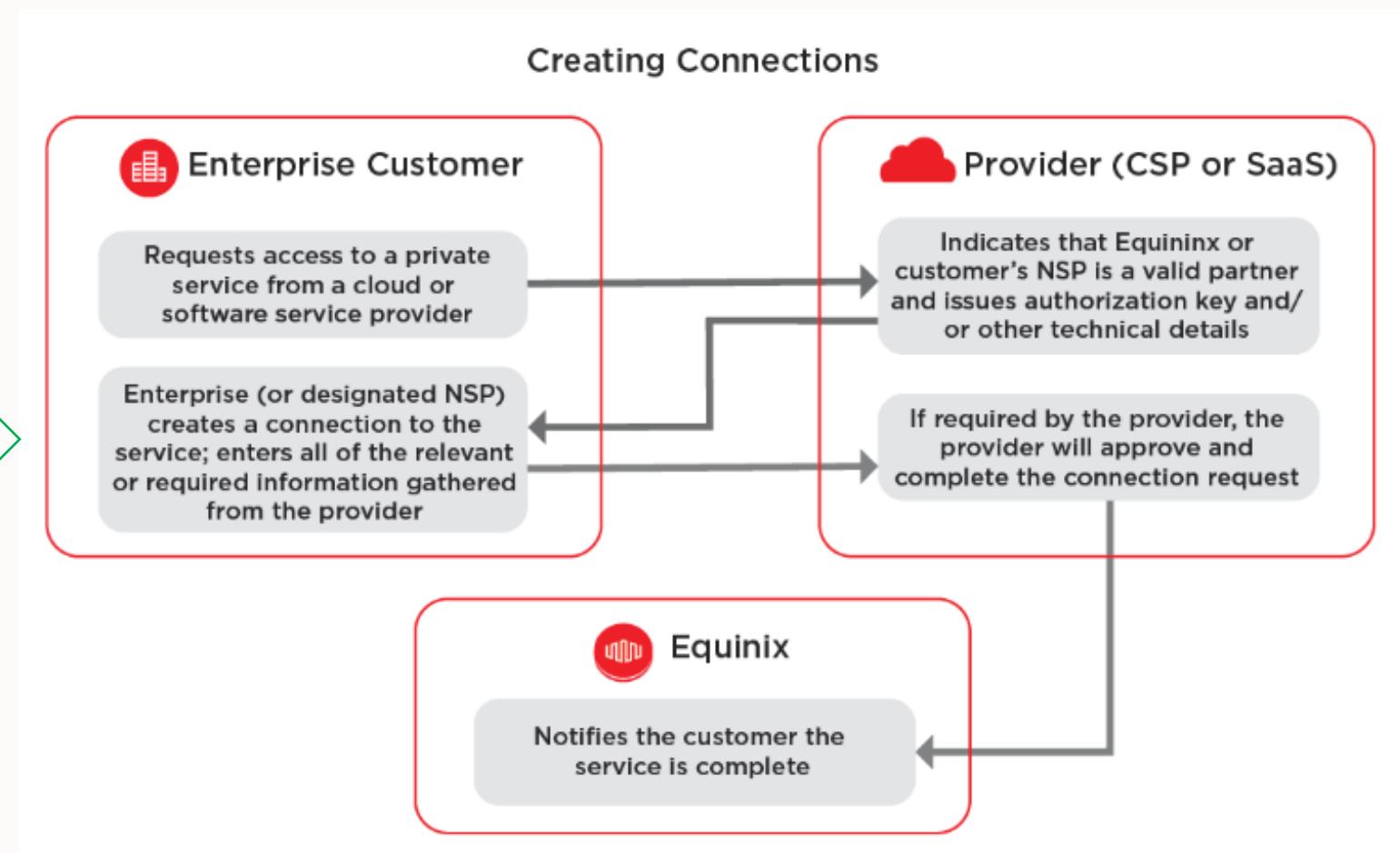
A large blue-bordered box highlights the second option (200 Mbps). Inside this box, the text 'Speed Selected' is displayed in blue, and the monthly charge is shown as '150.00 EUR'. To the right of the connection speed section is a 'Pricing Overview' panel:

<b>Pricing Overview</b>	
Local Connection:	200.00 USD
Remote Surcharge:	1150.00 USD
Total:	1350.00 USD
Additional taxes and/or fees may apply, depending on the Metro.	

# ECX Fabric Workflow

Three basic workflows that most users follow:

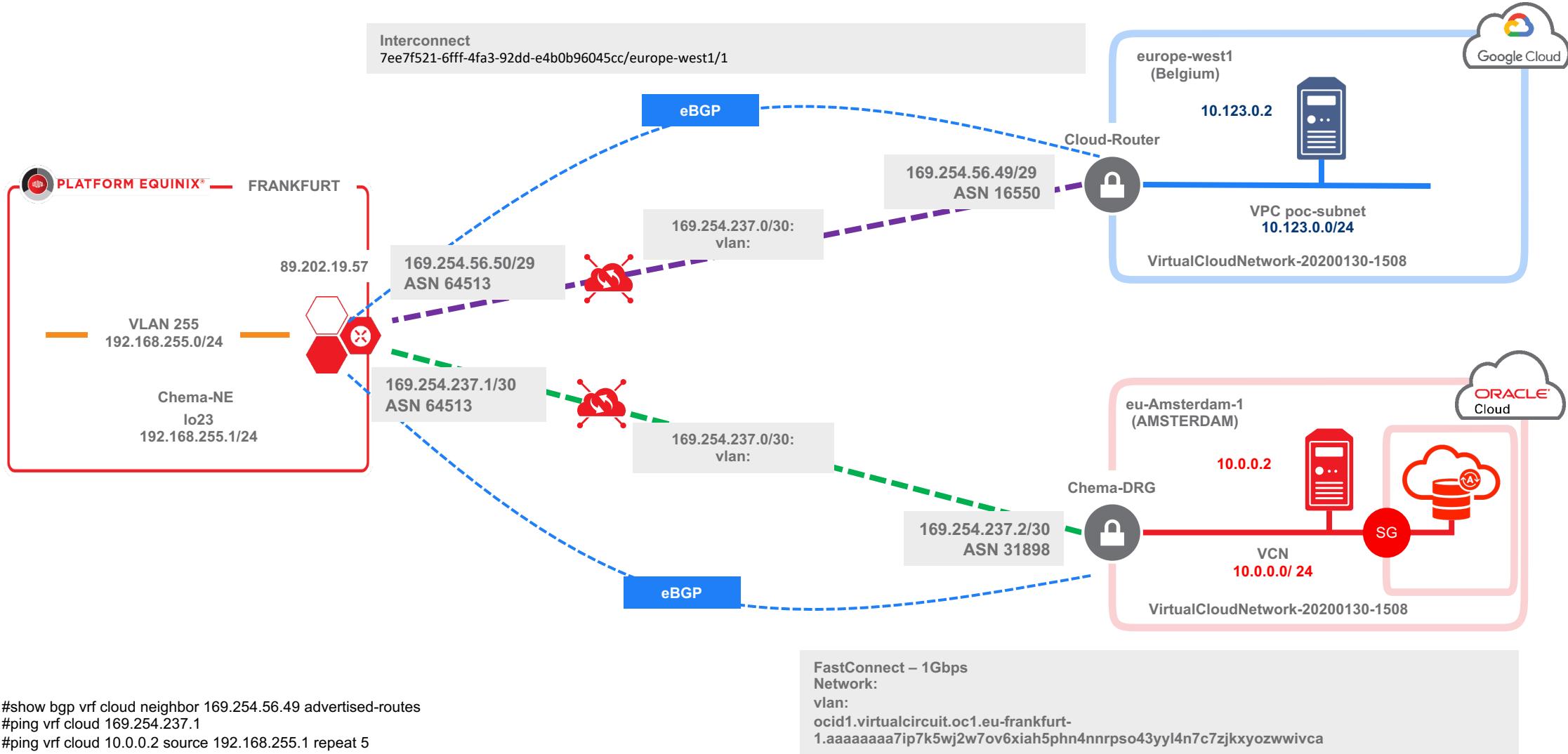
- Creating and Ordering Ports
- Creating Connections (buying a service from another)
- Creating Service Profiles (selling a service to others)



# 20200131 – Customer PoC Architecture



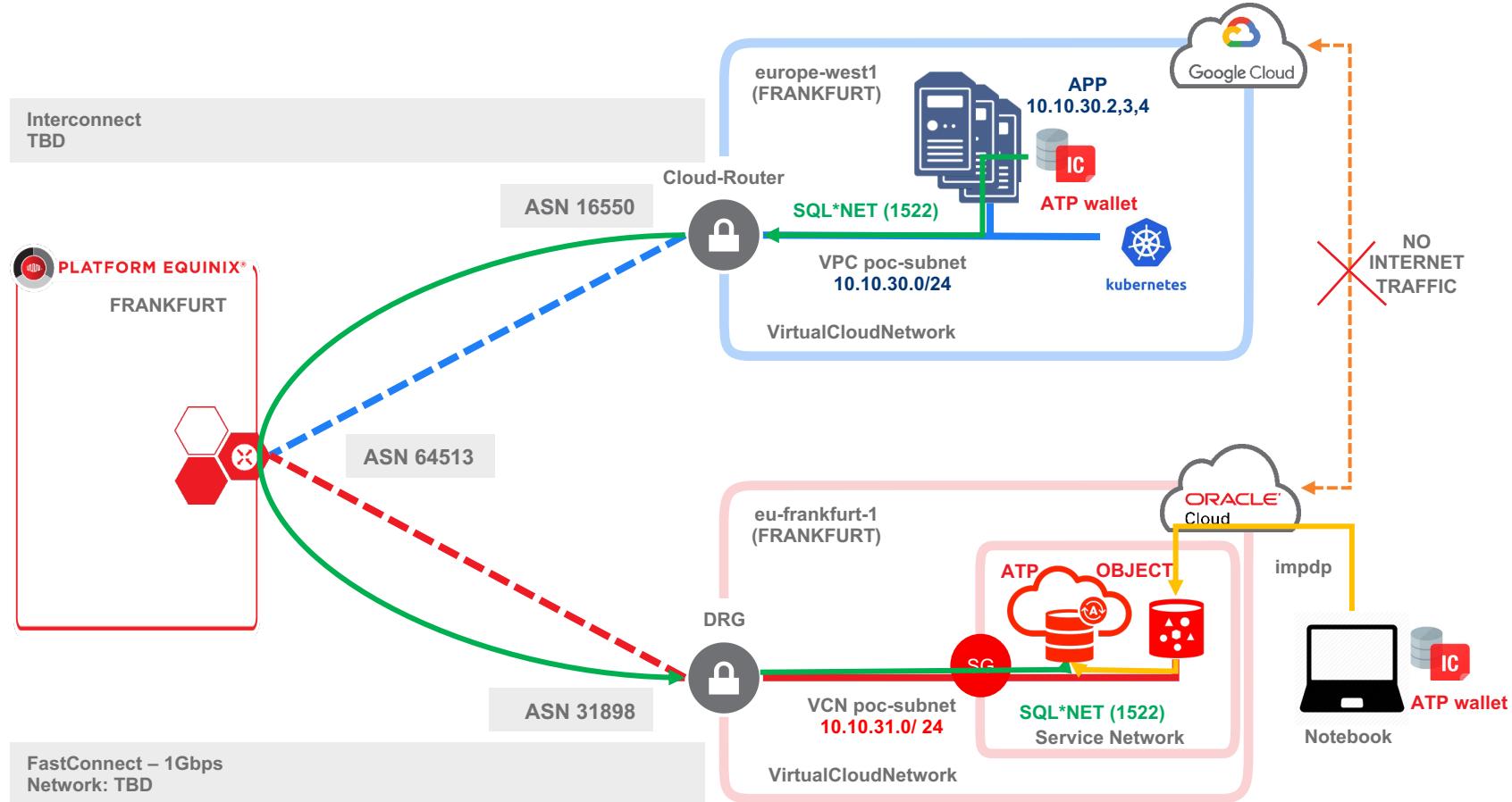
EQUINIX CLOUD EXCHANGE FABRIC



# 20200214 – Customer PoC Architecture

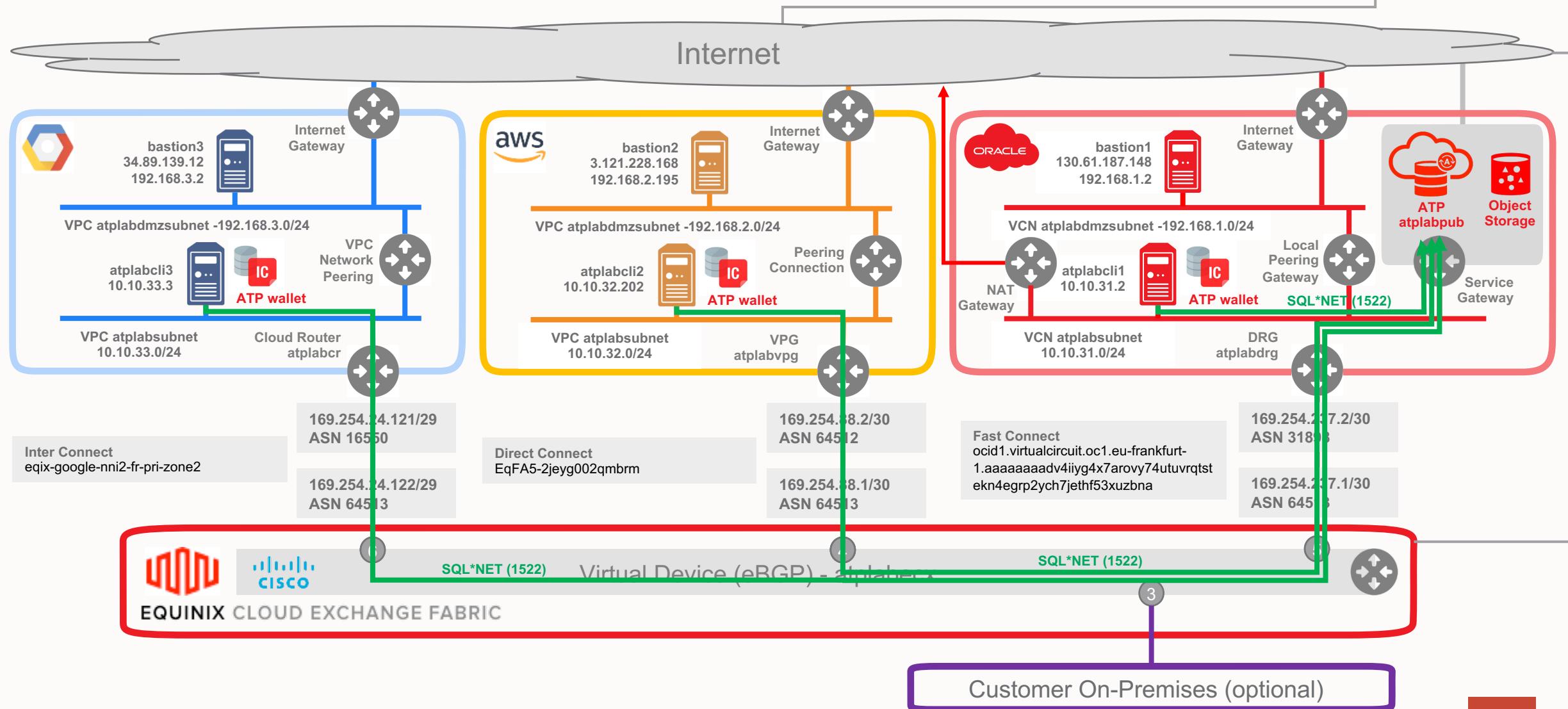


EQUINIX CLOUD EXCHANGE FABRIC



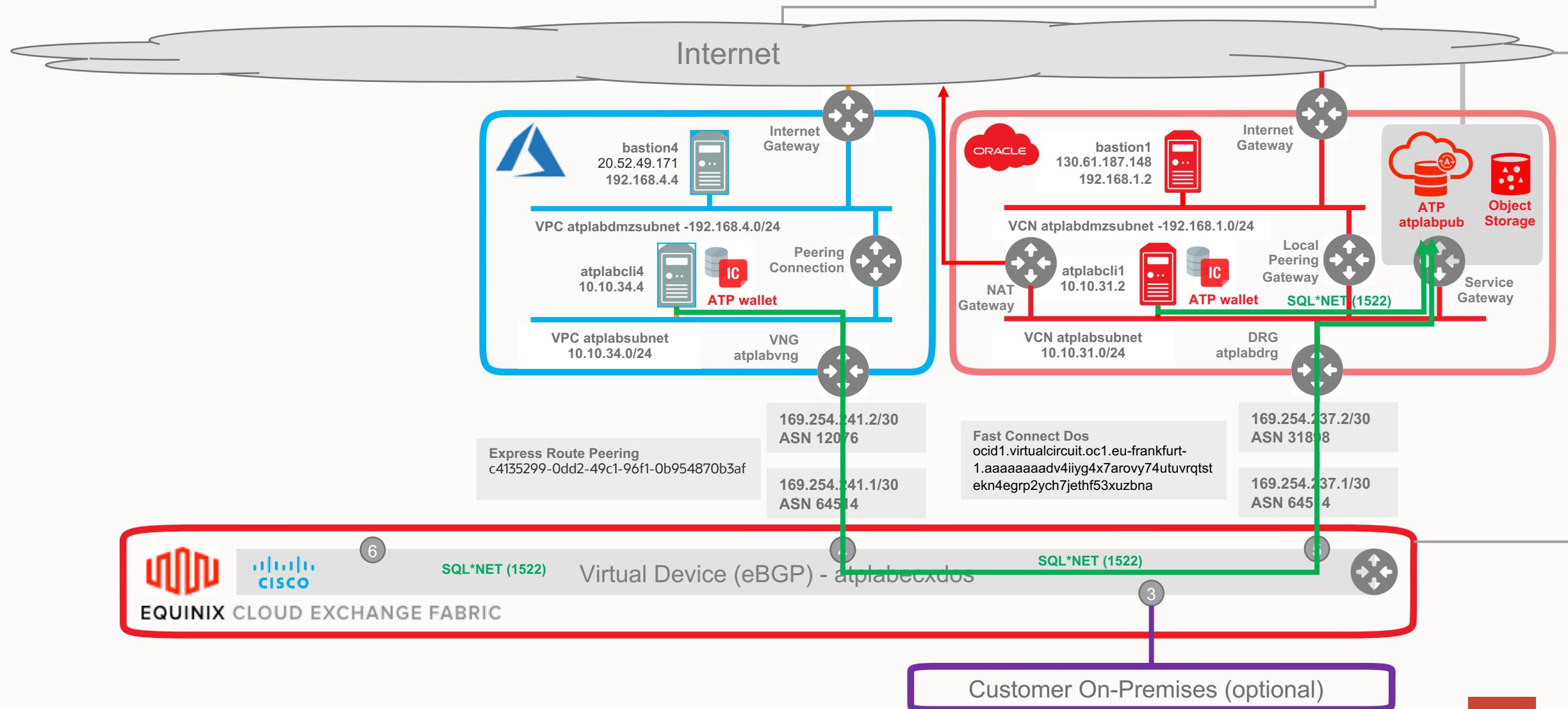
# Converged Database Multicloud Workshop

## ATPLAB: Overview



# Converged Database Multicloud Workshop

## ATPLAB: Overview



# Elastic Performance

## ATPLAB: how Scalability, Concurrency and Parallelism work fine in ATP

Compute Engine - My First Project Instances | EC2 Management Oracle Cloud Infrastructure ECX Fabric

https://console.eu-frankfurt-1.oraclecloud.com/db/adb/ocid1.autonomousdatabase.oc1.eu-frankfurt-1.abtheljrg5wtpogl3eevgi6apssdzfqyuocphktqg...

ORACLE Cloud Search for resources and services Germany Central (Frankfurt)

atplabpub

ASH Analytics SQL Monitoring

Top 100 by Last Active Time ▾ Filter by Status, SQL ID or User Name

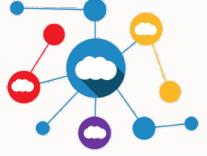
Status	Duration	Inst ID	SQL ID	SQL Plan Hash	User Name	Parallel	Database Time	I/O Requests	SQL Text
✓	44.00s	1	4m3v878vknwu1	3313491567	HR@Z36W1ZYAC6L8LPZ_ATPLABPUB	4	3.00m	166K	select /*GCP*/ sum(io_extended...
✓	49.00s	1	1667qhdrryc1p	3313491567	HR@Z36W1ZYAC6L8LPZ_ATPLABPUB	4	3.31m	166K	select /*AWS*/ sum(io_extended...
✓	48.00s	1	adpkxhd25qq1t	3313491567	HR@Z36W1ZYAC6L8LPZ_ATPLABPUB	4	3.21m	166K	select /*OCI*/ sum(io_extended...
✓	39.00s	1	fzhppq6mrf963	3313491567	HR@Z36W1ZYAC6L8LPZ_ATPLABPUB	4	2.63m	166K	select /*Home*/ sum(io_extende...
✓	3.07m	1	1667qhdrryc1p	3002741515	HR@Z36W1ZYAC6L8LPZ_ATPLABPUB	4	3.09m	165K	select /*AWS*/ sum(io_extended...
✓	3.10m	1	adpkxhd25qq1t	3002741515	HR@Z36W1ZYAC6L8LPZ_ATPLABPUB	4	3.13m	165K	select /*OCI*/ sum(io_extended...
✓	3.15m	1	fzhppq6mrf963	3002741515	HR@Z36W1ZYAC6L8LPZ_ATPLABPUB	4	3.17m	165K	select /*Home*/ sum(io_extende...
✓	3.18m	1	4m3v878vknwu1	3002741515	HR@Z36W1ZYAC6L8LPZ_ATPLABPUB	4	3.21m	165K	select /*GCP*/ sum(io_extended...

Kill Session

Close

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# Partners Multicloud: Work in Progress



Customer Engagement  
Database Summit Madrid  
• Adoption Strategy



Marketing Campaign  
• Retail Accounts



Partner Enablement  
• A&C Initiative



Solution Architecture  
• Trial Accounts  
• Customer Support

# Agenda

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## Converged Database Workshop Series



# Converged Database Workshop Series

## Marketing Campaign on going

### 1. Oracle Converged Database: Multitenant, Multimodel, In-Memory

- For DBAs, Solutions Architects and Developers, including CTOs
- One day in Torre Picasso or
- Remote Zoom sessions (3 consecutive days, 2 hours each)



### 2. Oracle Converged Database: Multicloud ECX with Autonomous DB

- For Data Engineers and Cloud Solutions Architects
- One morning in Torre Picasso or
- Remote Zoom sessions (2 consecutive days, 3 hours each)



### 3. Oracle Converged Database: Spatial, Graph & ML with Python and R

- For Data Engineers, Data Scientists, Business Analysts and Solutions Architects
- One day in Torre Picasso or
- Remote Zoom sessions (3 consecutive days, 2 hours each)



# Agenda

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## Multicloud ECX with Autonomous DB



# Oracle Converged Database: Multicloud ECX with Autonomous DB Hands On Labs

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Dia 1:

Intro – 45'

HOL0 – ATP 75'

HOL1 - ECX and OCI Fast Connect (ASN 64513) 30'

HOL1B - ECX Dos and OCI Fast Connect Dos (ASN 64514) 30'

HOL2 - AWS Direct Connect (ASN 64512) 30'

HOL2B - Azure Direct Connect (ASN 12076) 30'

HOL3 - GCP Inter Connect (ASN 16550) 30'

HOL4 - IC cloning and SQLplus queries to ATP (now with Azure atplabcli4) 90'

HOL5 - ATP tooling (extra Azure bastion4) 120'

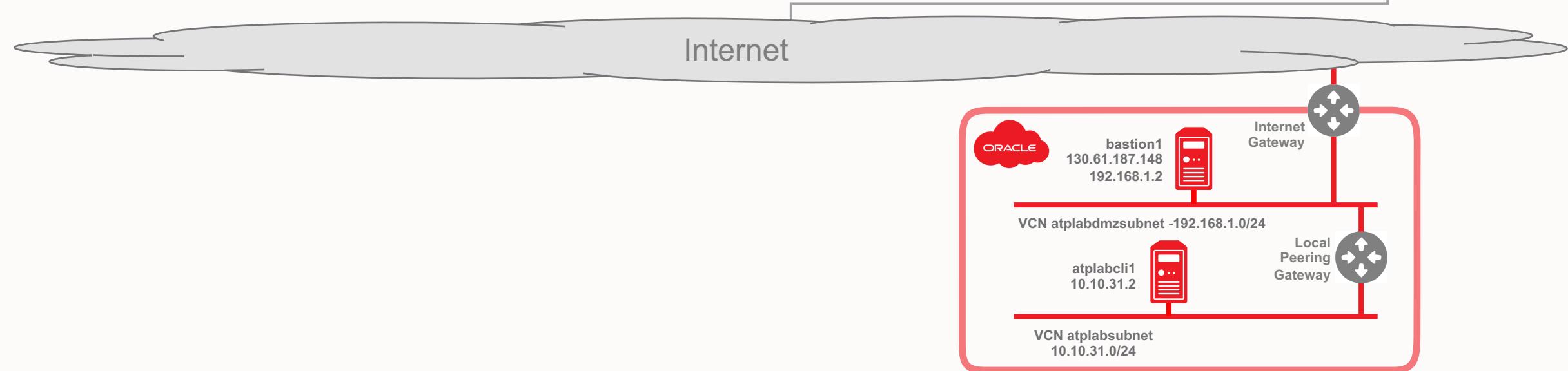
Inspirational: 30'

Close: 15'



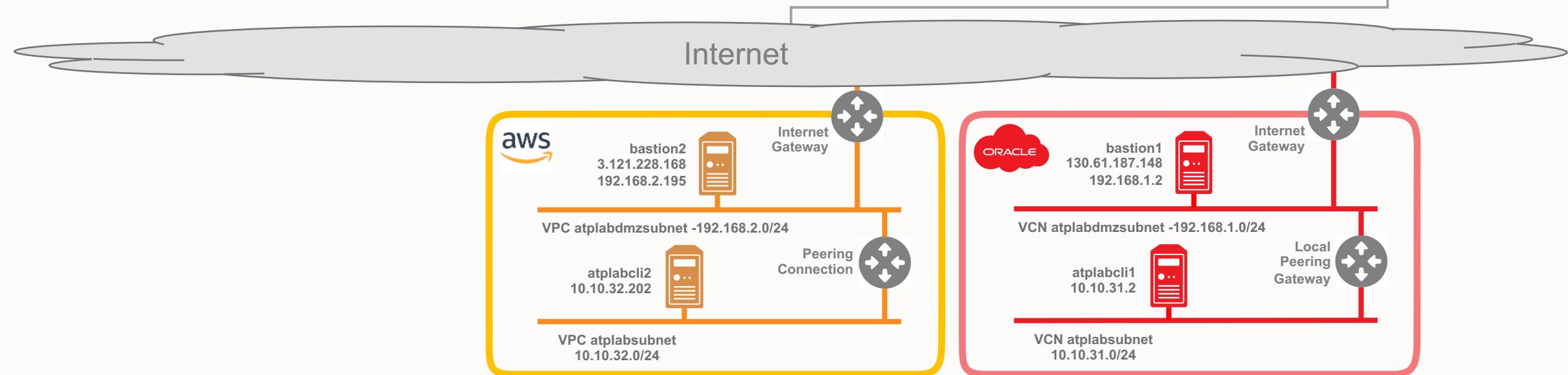
# Converged Database Multicloud Workshop

ATPLAB: OCI pre-work done!



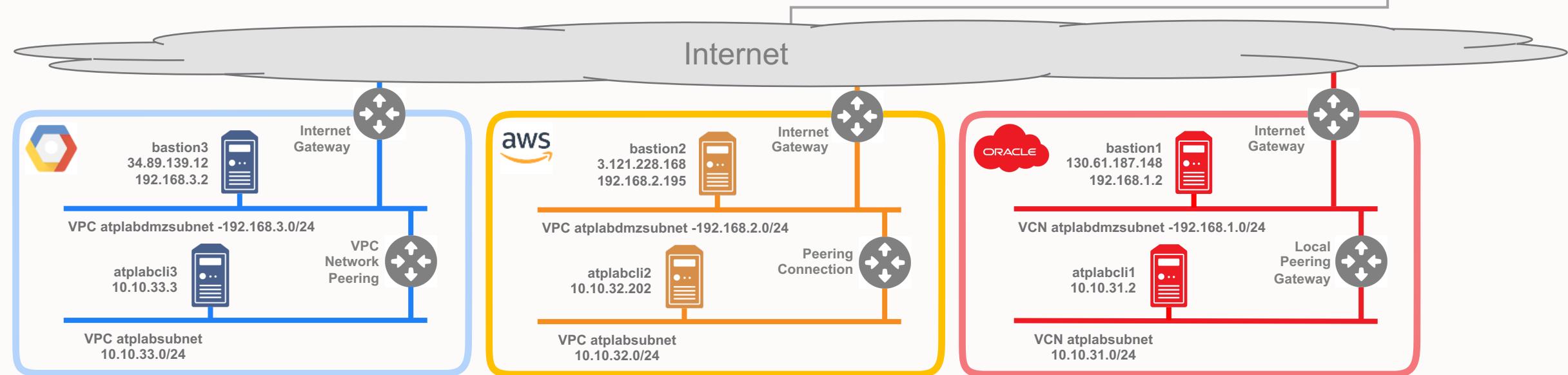
# Converged Database Multicloud Workshop

ATPLAB: AWS pre-work done!



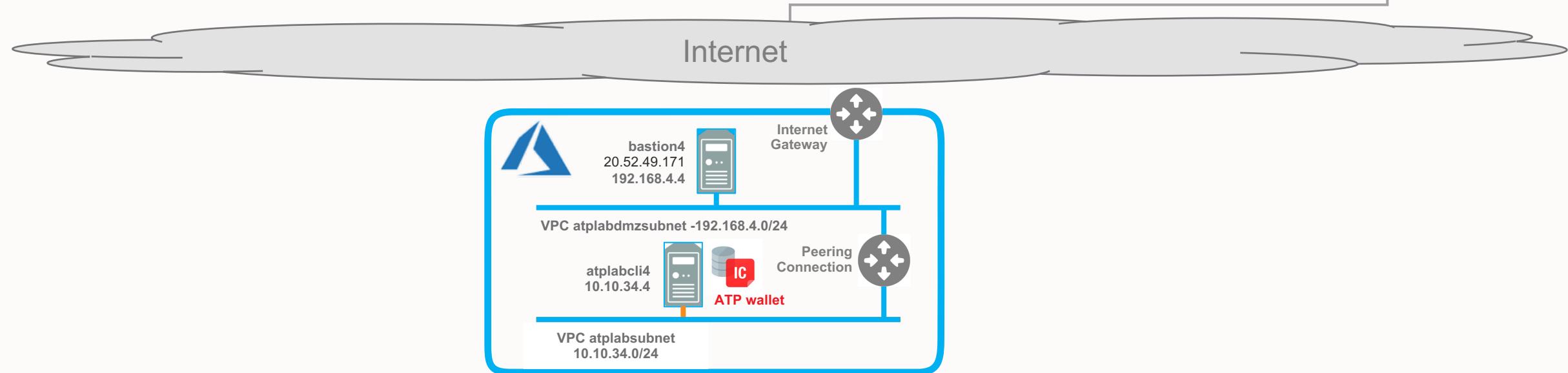
# Converged Database Multicloud Workshop

ATPLAB: GCP pre-work done!



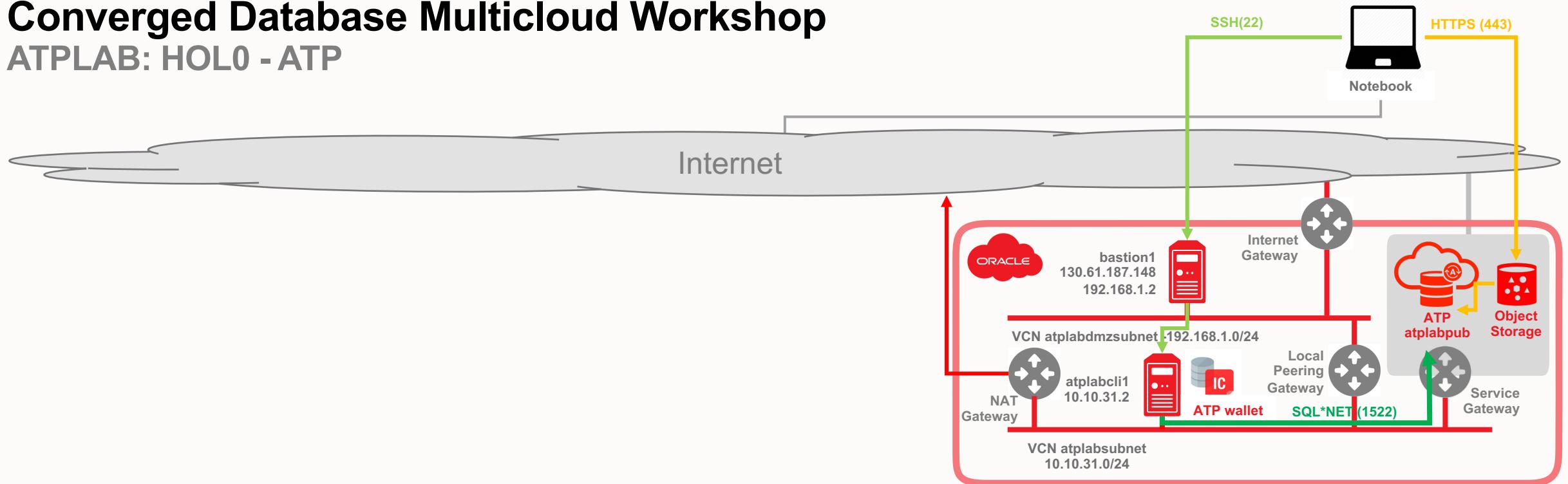
# Converged Database Multicloud Workshop

ATPLAB: GCP pre-work done!



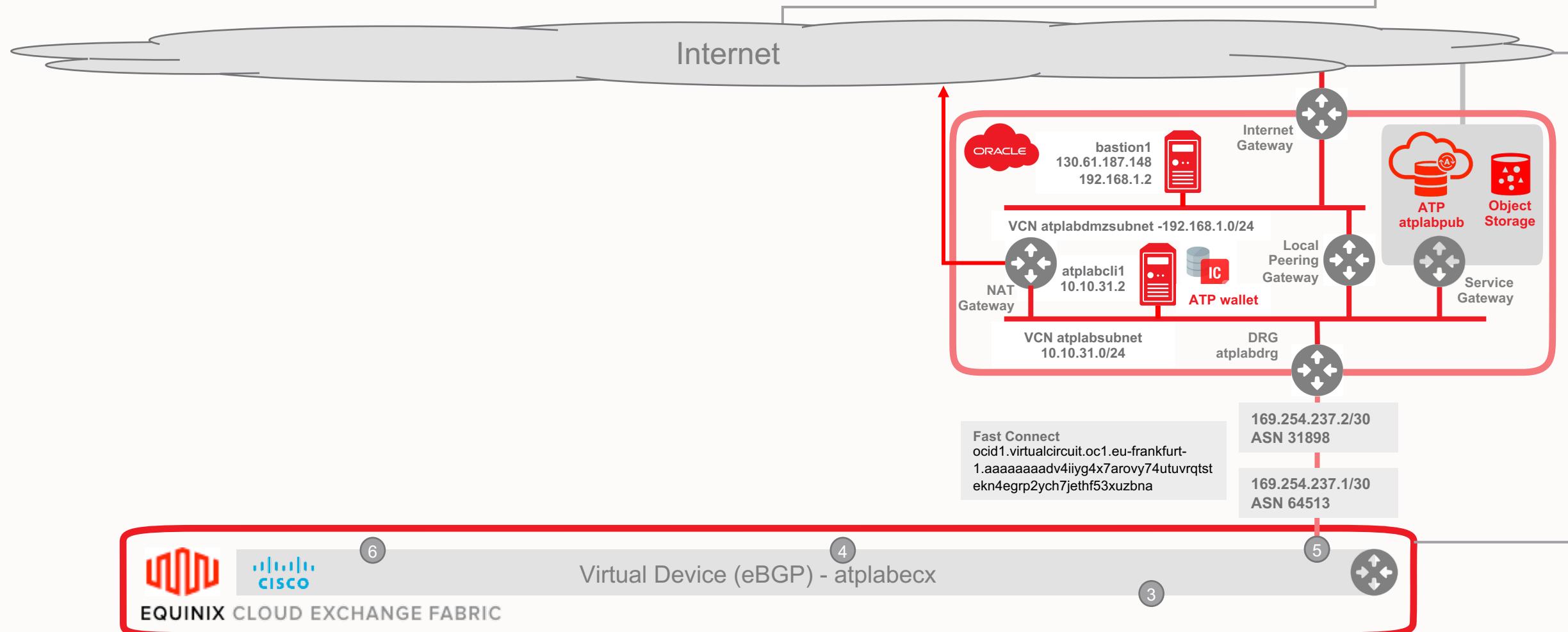
# Converged Database Multicloud Workshop

ATPLAB: HOL0 - ATP



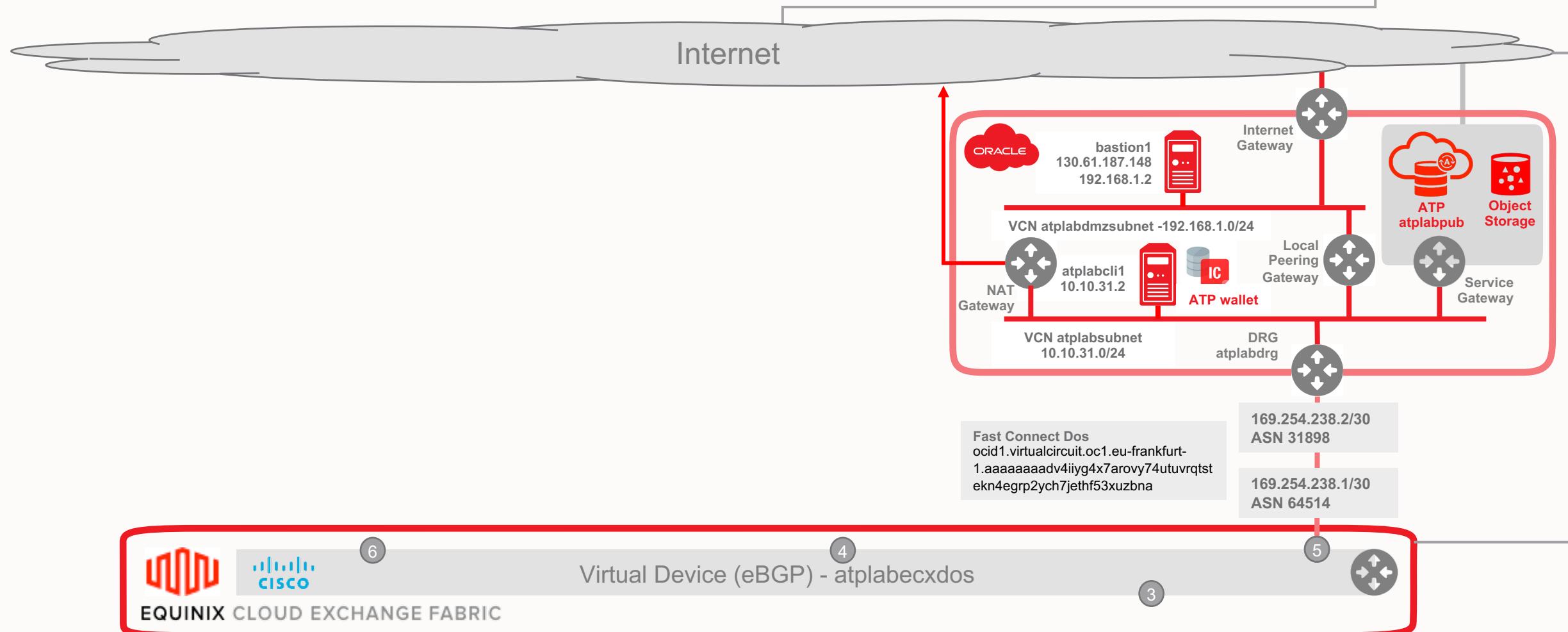
# Converged Database Multicloud Workshop

## ATPLAB: HOL1 - ECX and OCI Fast Connect



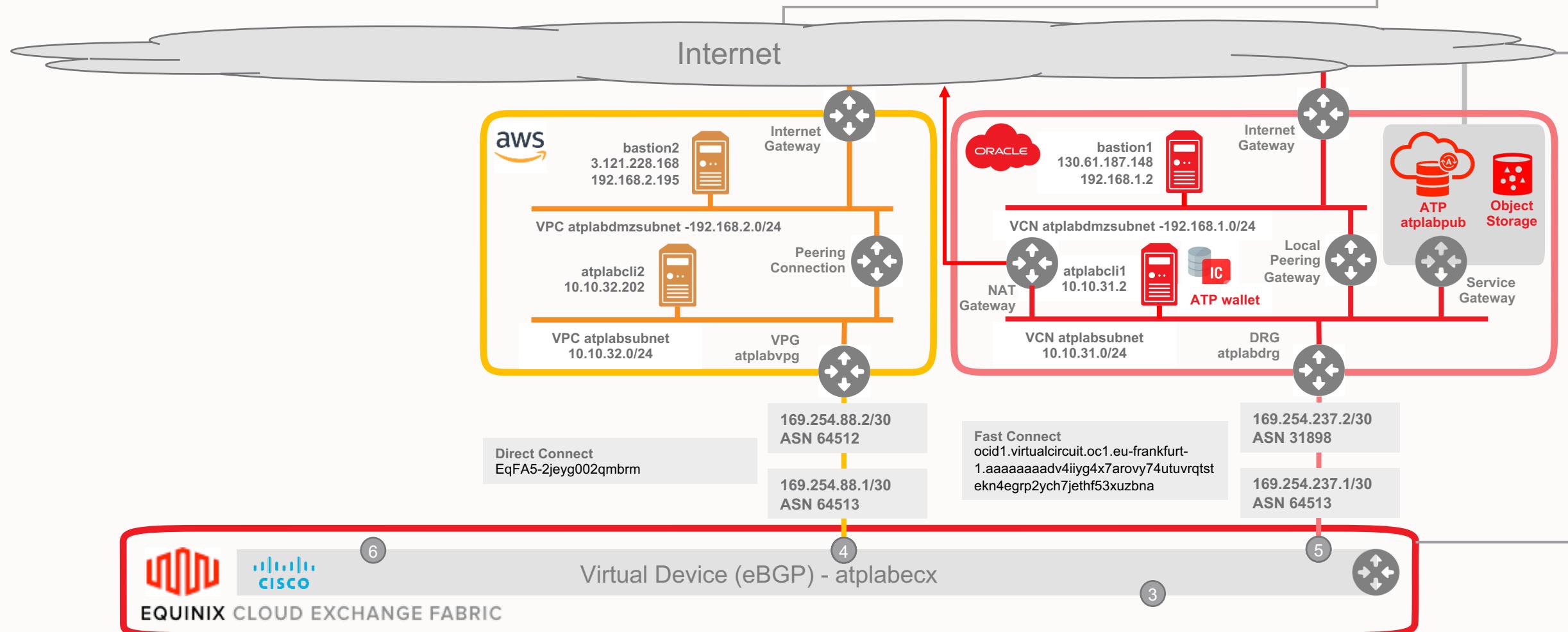
# Converged Database Multicloud Workshop

ATPLAB: HOL1B - ECX and OCI Fast Connect Dos



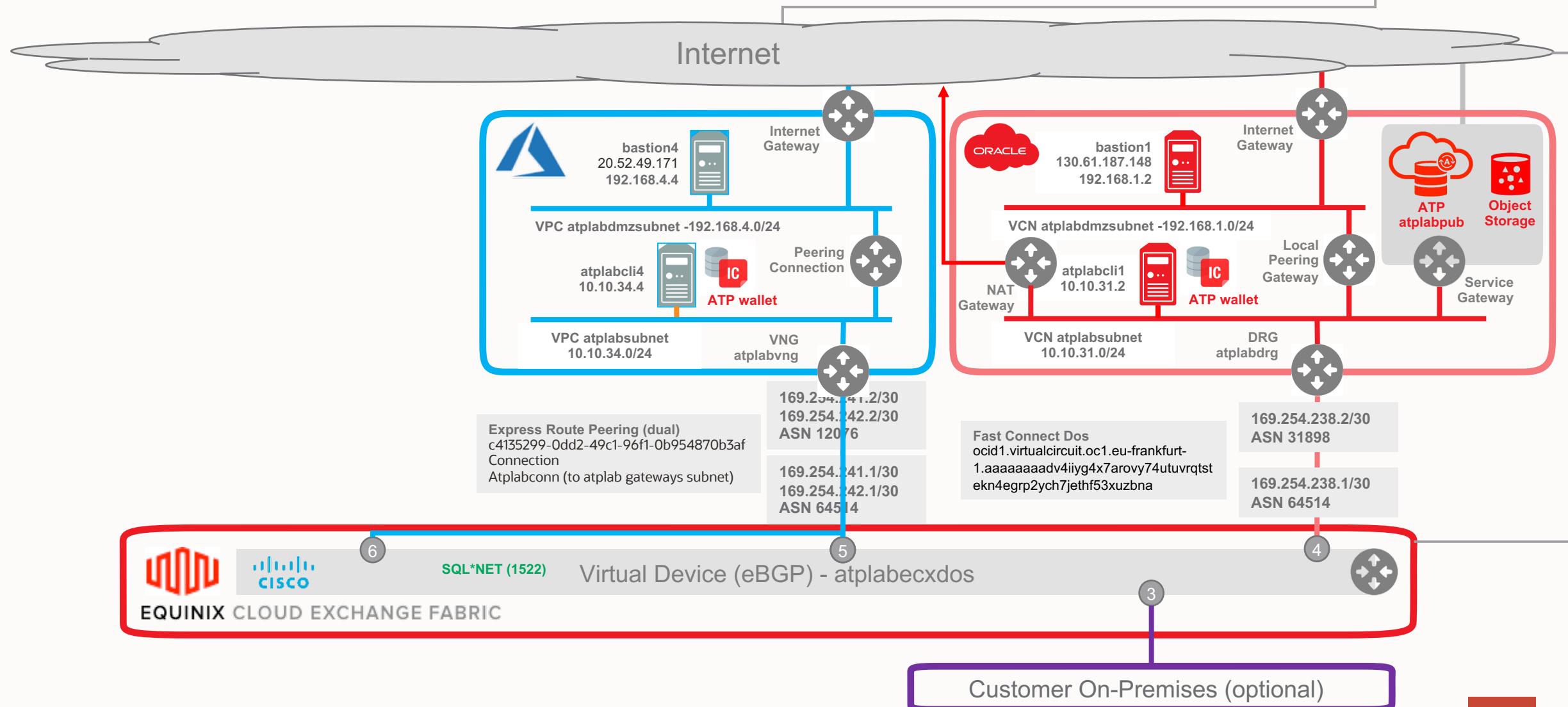
# Converged Database Multicloud Workshop

## ATPLAB: HOL2 - AWS Direct Connect



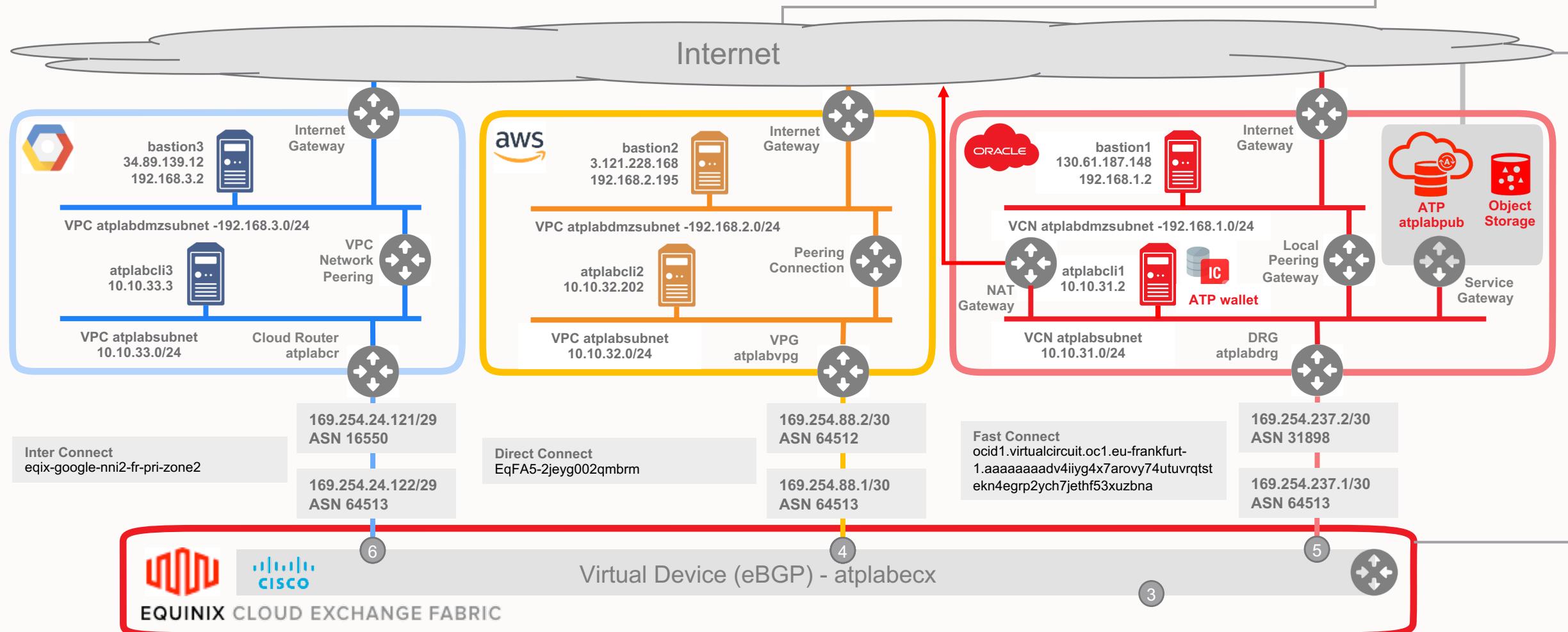
# Converged Database Multicloud Workshop

ATPLAB: HOL2B – Azure Express Route



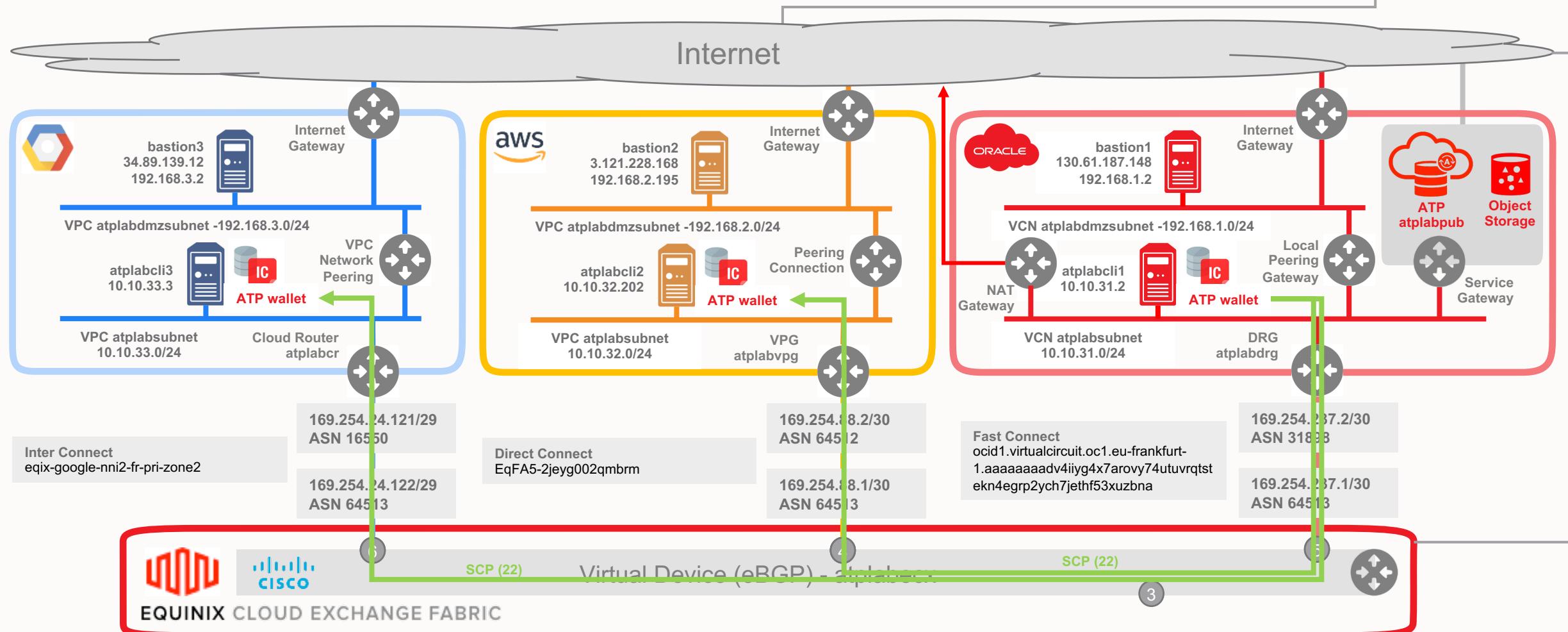
# Converged Database Multicloud Workshop

## ATPLAB: HOL3 - GCP Inter Connect



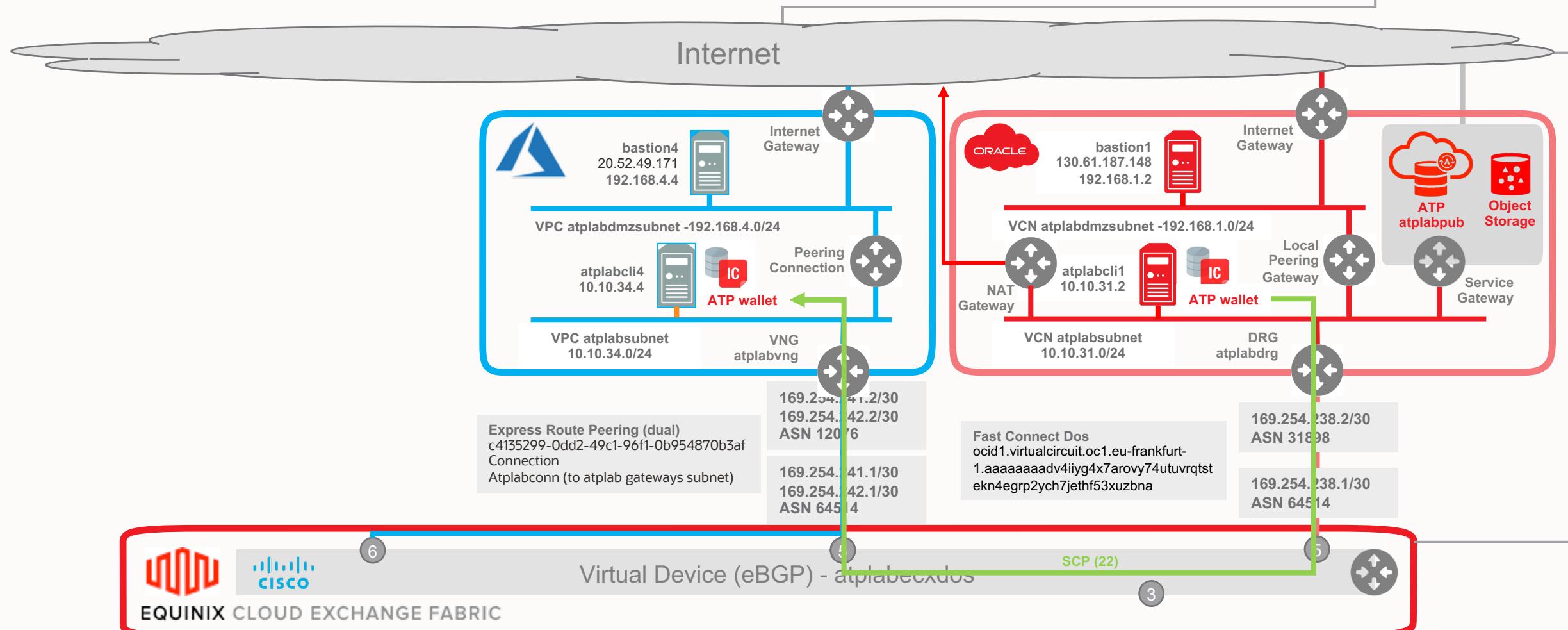
# Converged Database Multicloud Workshop

## ATPLAB: HOL4 - IC cloning



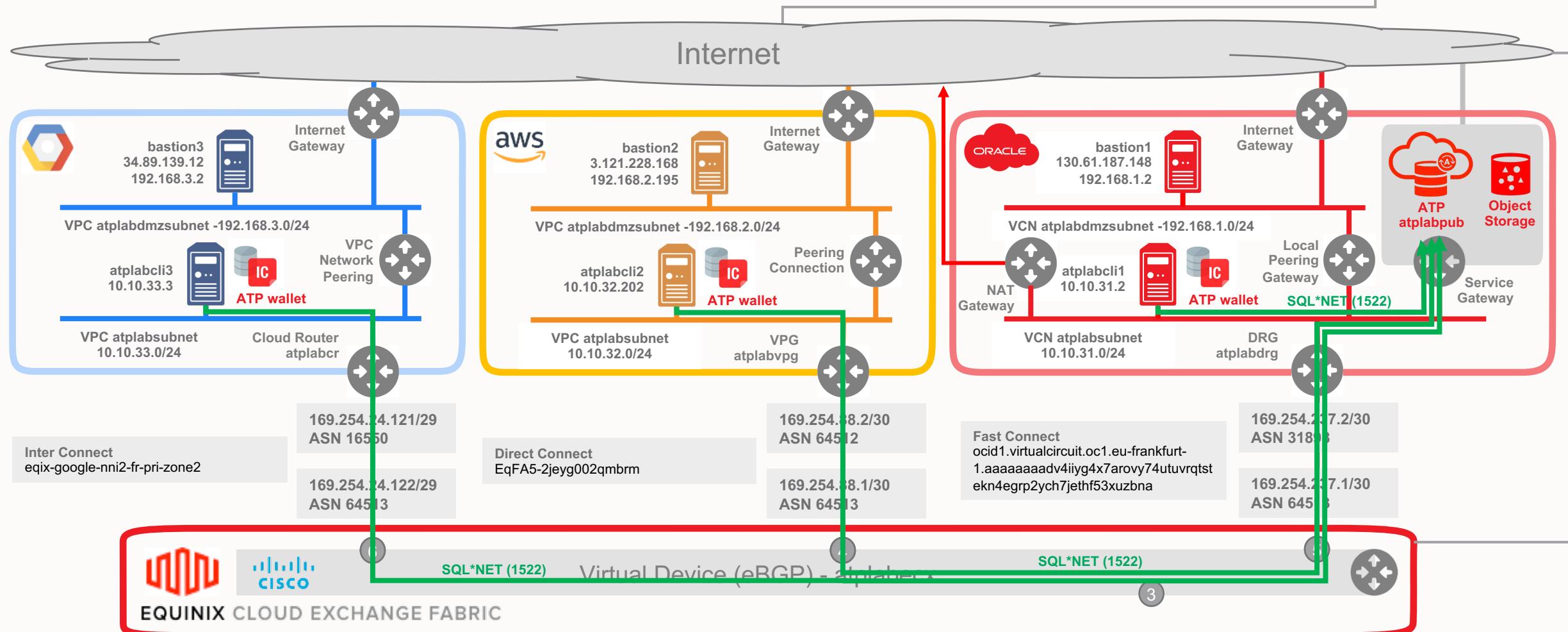
# Converged Database Multicloud Workshop

## ATPLAB: HOL4 - IC cloning (cont)



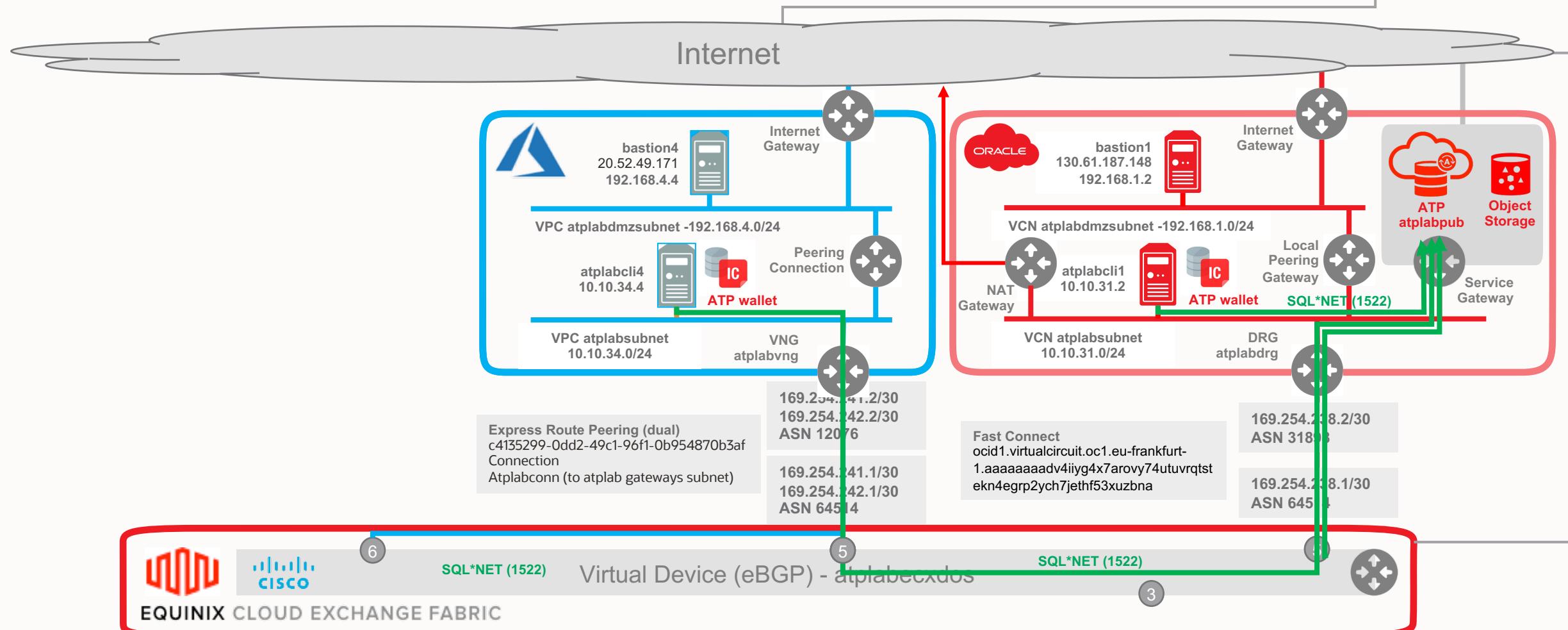
# Converged Database Multicloud Workshop

## ATPLAB: HOL4 - SQLplus queries to ATP



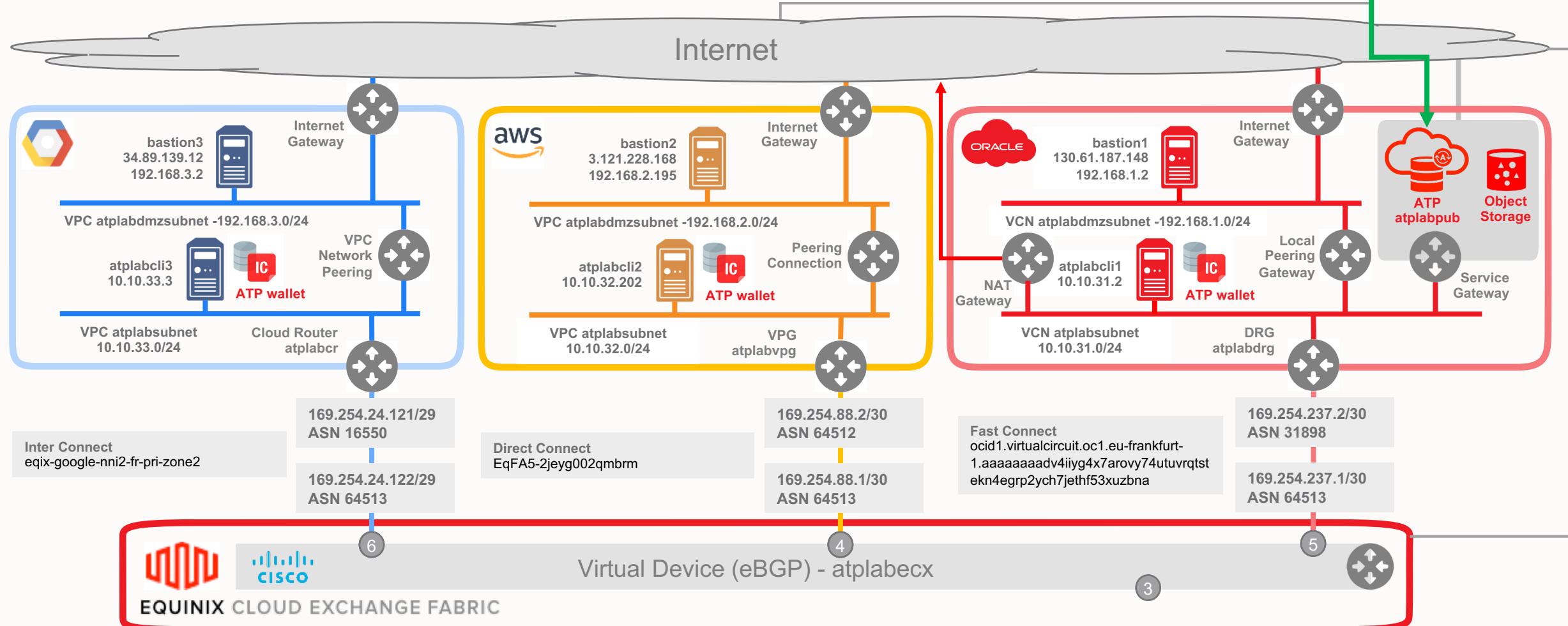
# Converged Database Multicloud Workshop

## ATPLAB: HOL4 - SQLplus queries to ATP (cont)



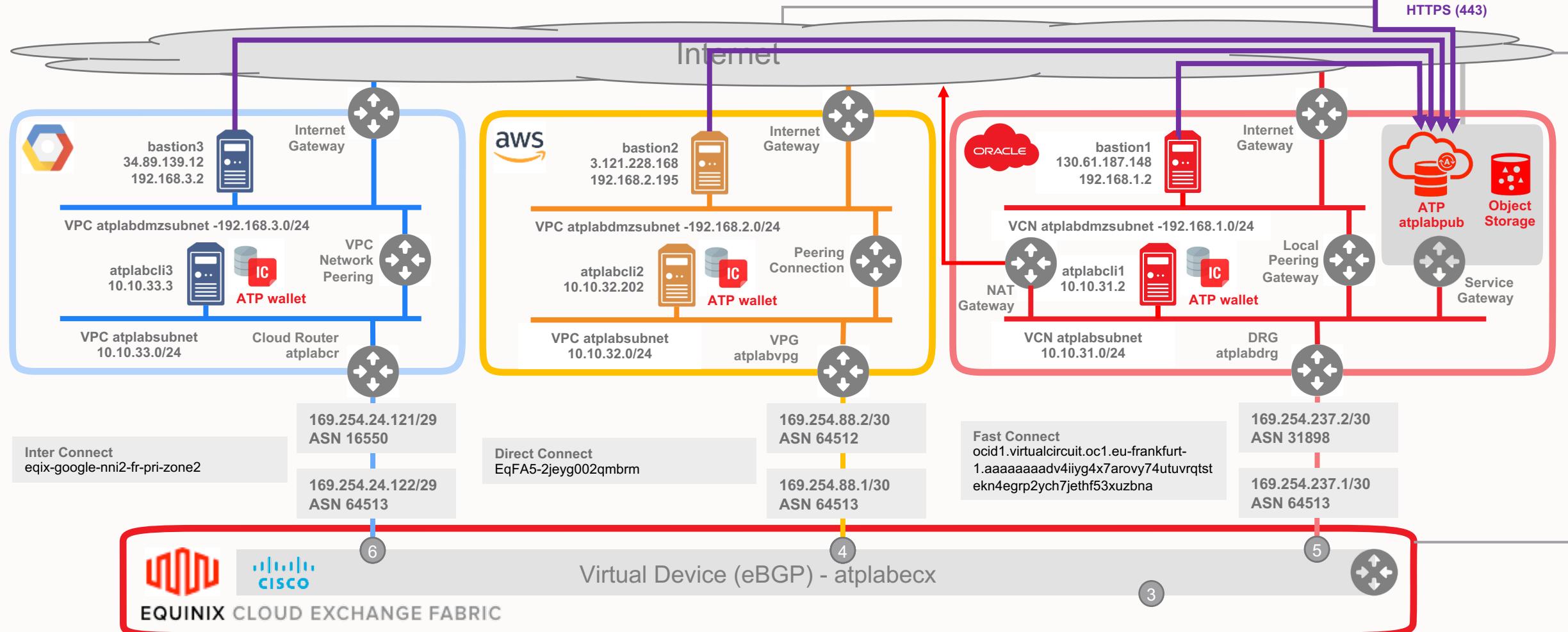
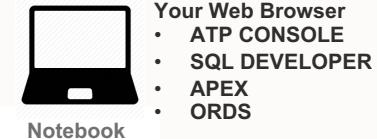
# Converged Database Multicloud Workshop

ATPLAB: HOL4 - SQLplus queries to ATP (add-on not included this time)



# Converged Database Multicloud Workshop

## ATPLAB: HOL5 - ATP tooling



# Hand-on Labs Breakout Rooms



Guillermo



Francisco

Room 1



Carlos

Room 2



Victor



Belén

## Oracle Cloud Free Tier

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# Inspiration & Innovation



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see data in new ways, discover  
insights, unlock endless possibilities.



# Thank you!

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Oracle Spain

