A close-up photograph of a person's upper torso. They are wearing a yellow and black horizontally striped shirt. The background is dark and out of focus.

ORACLE



Base de Datos Convergente: ATP Multicloud Workshop

17, 18 y 19 de noviembre de 2020
Sesiones Zoom

Francisco Alvarez
Carlos Casares
Víctor Mendo
Iván Sampedro
José Vázquez

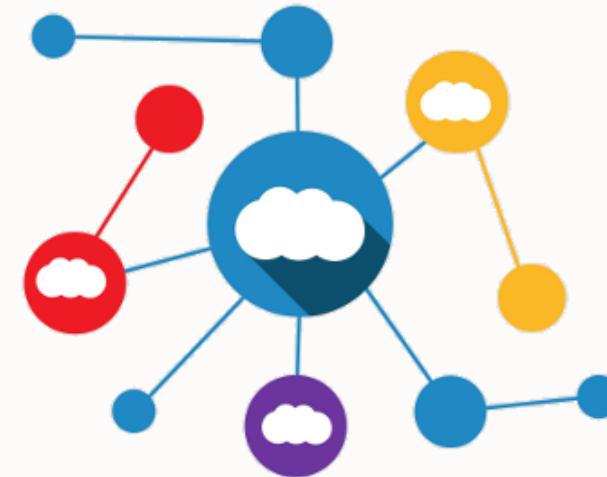
Safe harbor statement

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

—
OVERVIEW



Cloud Computing
Workshop

Cloud Computing
Workshop

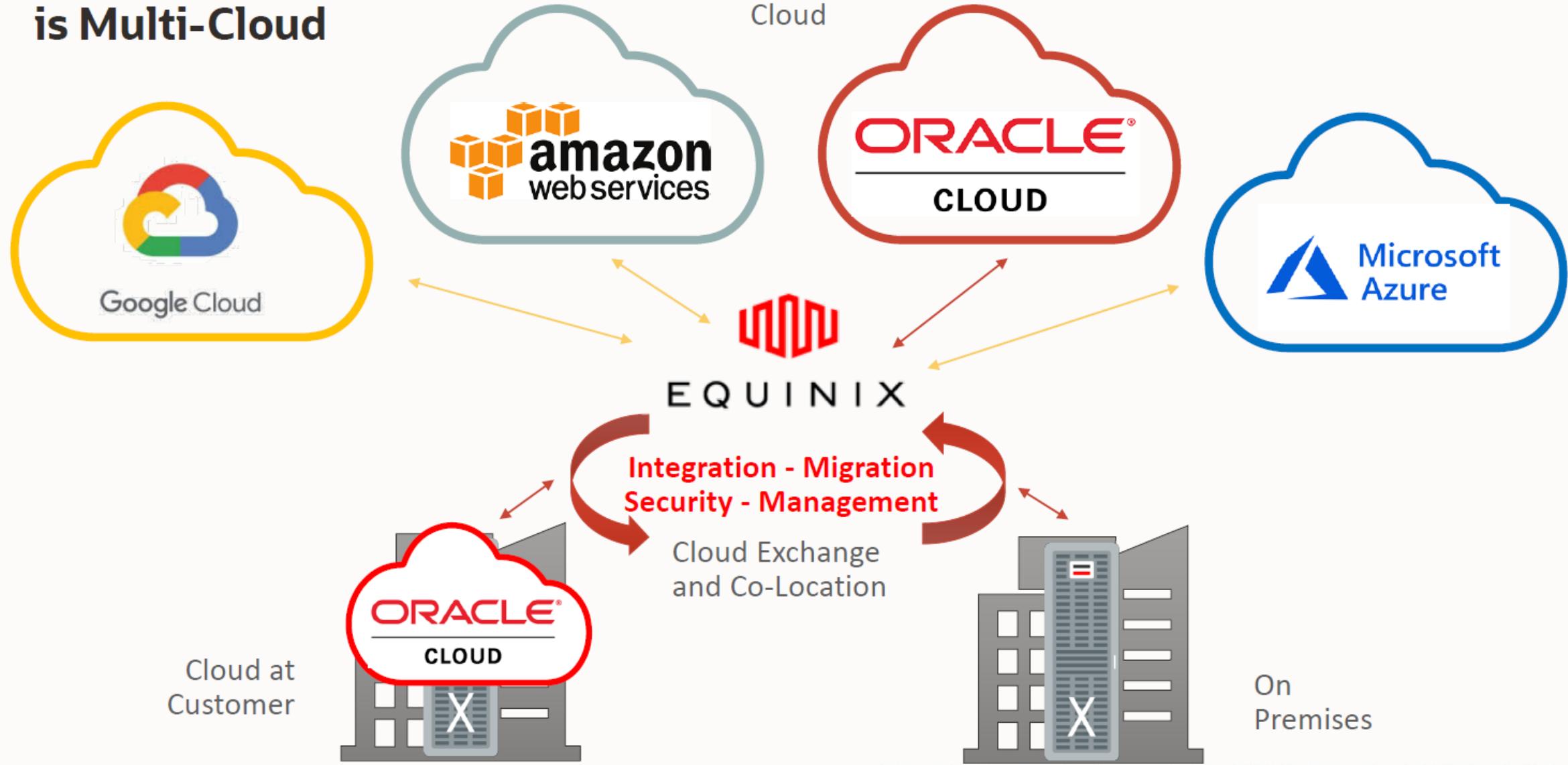
Cloud Computing
Workshop

Cloud Computing
Workshop

Agenda

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	✓ ⁽¹⁾	PaaS	✓ ⁽²⁾
AWS	✓	PaaS	✓ ⁽²⁾
Google	✓	PaaS	✓ ⁽²⁾

IaaS/PaaS

	AVAIL.	MODE	ENTER.
Azure	✓	IaaS	✓ ⁽³⁾
AWS	✓	IaaS	✓ ⁽³⁾
		PaaS	X
Google	X	X	X

Bare Metal

	AVAIL.	MODE	ENTER.
Azure	X	X	X
AWS	✓	IaaS	✓ ⁽⁵⁾
Google	! ⁽⁴⁾	IaaS	! ⁽⁵⁾

Cloud Adjacent

	AVAIL.	MODE	ENTER.
Azure	✓ ⁽¹⁾	PaaS	✓ ⁽⁶⁾
AWS	✓	PaaS	✓ ⁽⁶⁾
Google	✓	PaaS	✓ ⁽⁶⁾

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

⁽²⁾ Accessing through to OCI and Autonomous Database via Fast Connect

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

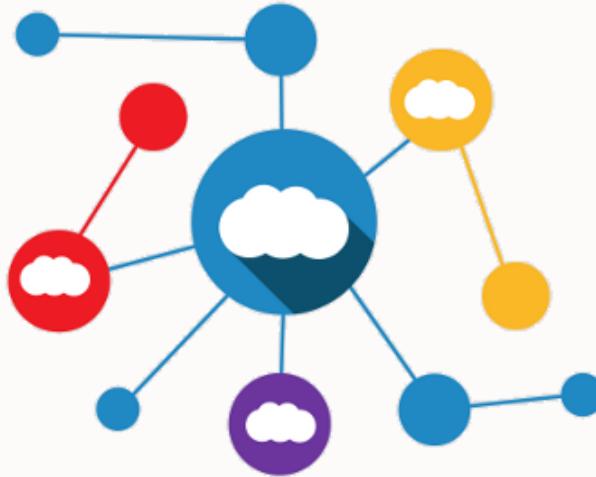
⁽⁴⁾ By co-location hoster or MSP

⁽⁵⁾ BYOL according to on-premises licensing policy ([doc](#))

⁽⁶⁾ Cloud at Customer with Autonomous Database coming soon

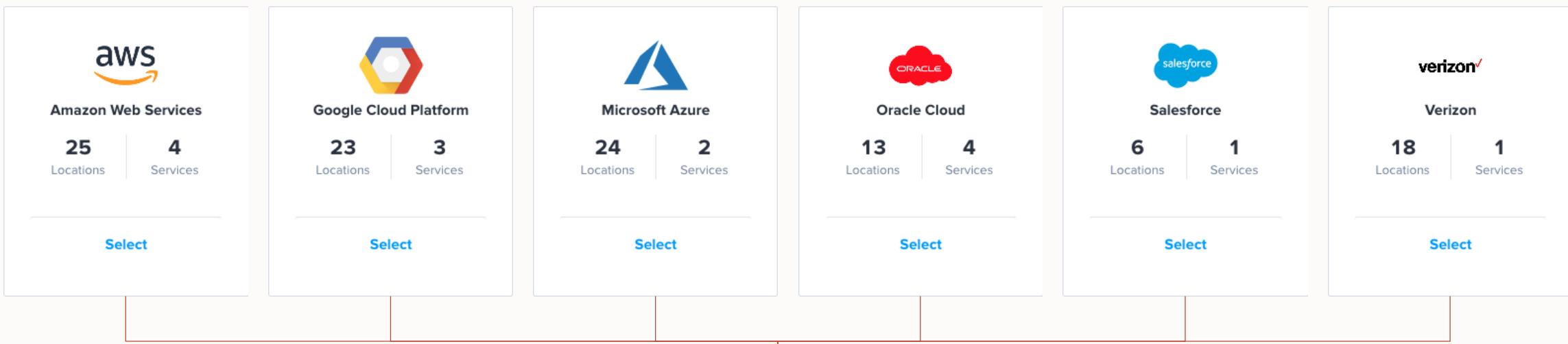


Agenda





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 ECX Fabric Portal interface. 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 1 Gbps, Speed: 1 Gbps, Monthly Charge: 150.00 EUR (this option is highlighted with a blue border)

To the right, a 'Pricing Overview' box displays:

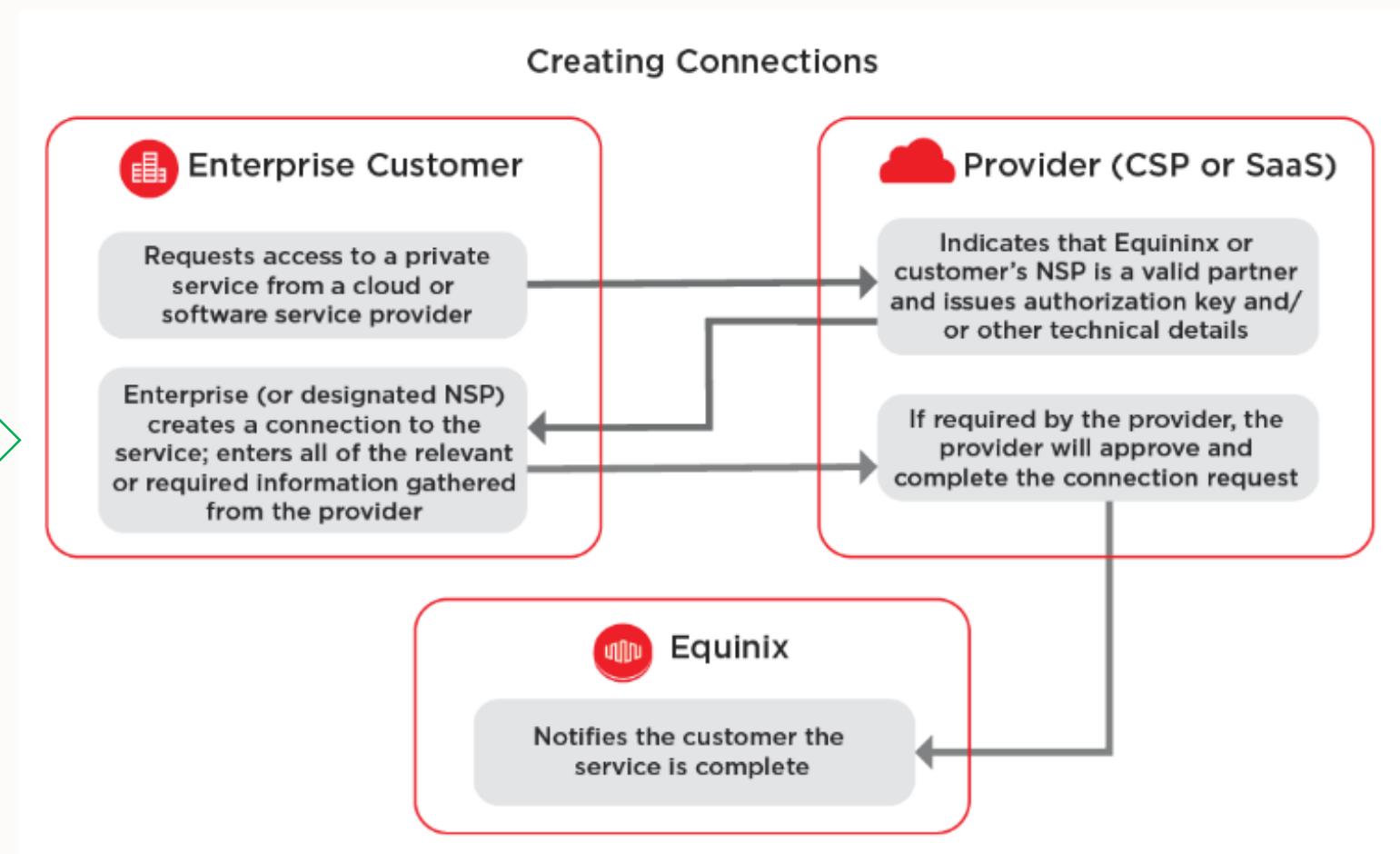
Local Connection:	200.00 USD
Remote Surcharge:	1150.00 USD
Total:	1350.00 USD

Additional taxes and/or fees may apply, depending on the Metro.

ECX Fabric Workflow

Three basic workflows that most users follow:

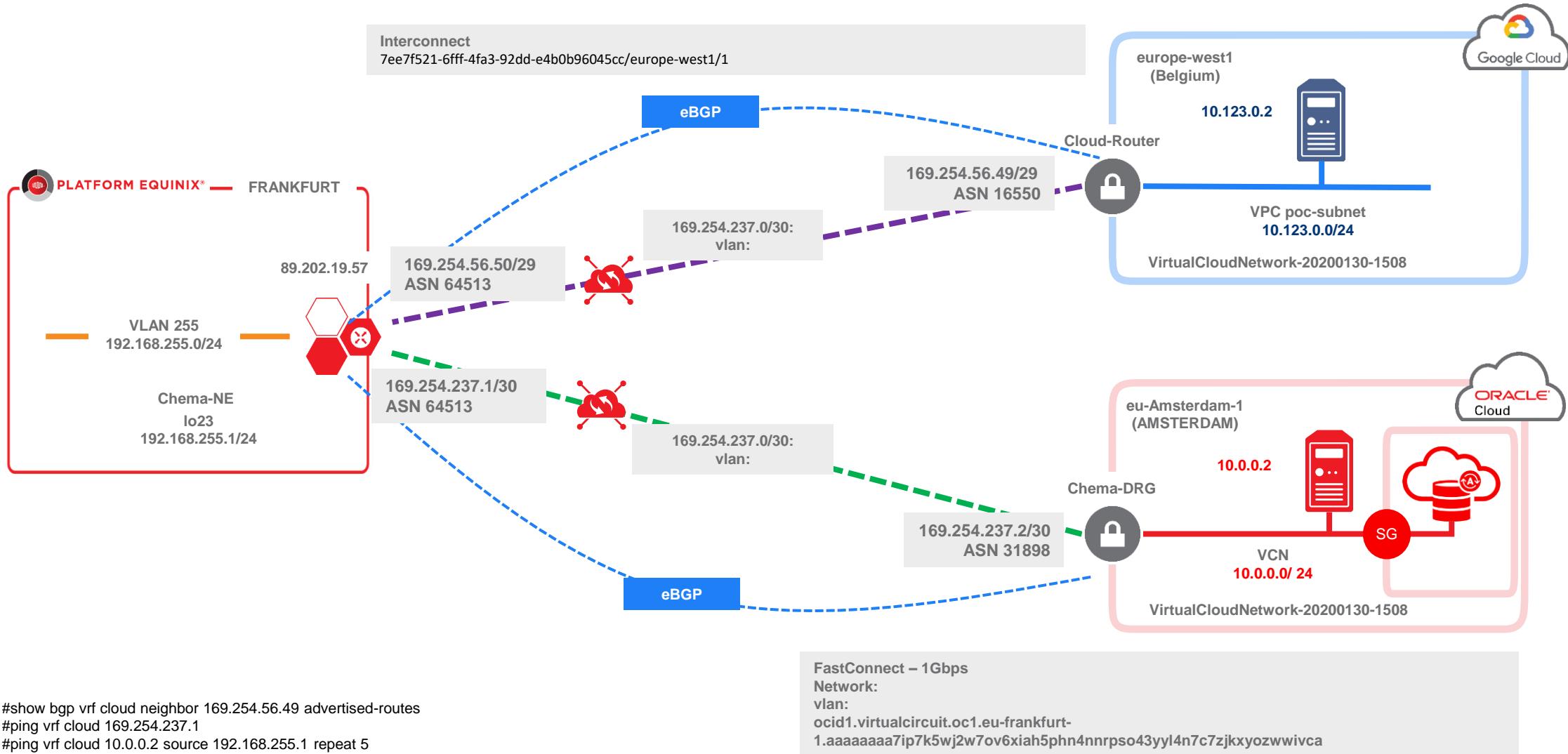
- Creating and Ordering Ports
- Creating Connections (buying a service from another)
- Creating Service Profiles (selling a service to others)



20200131 – Customer PoC Architecture

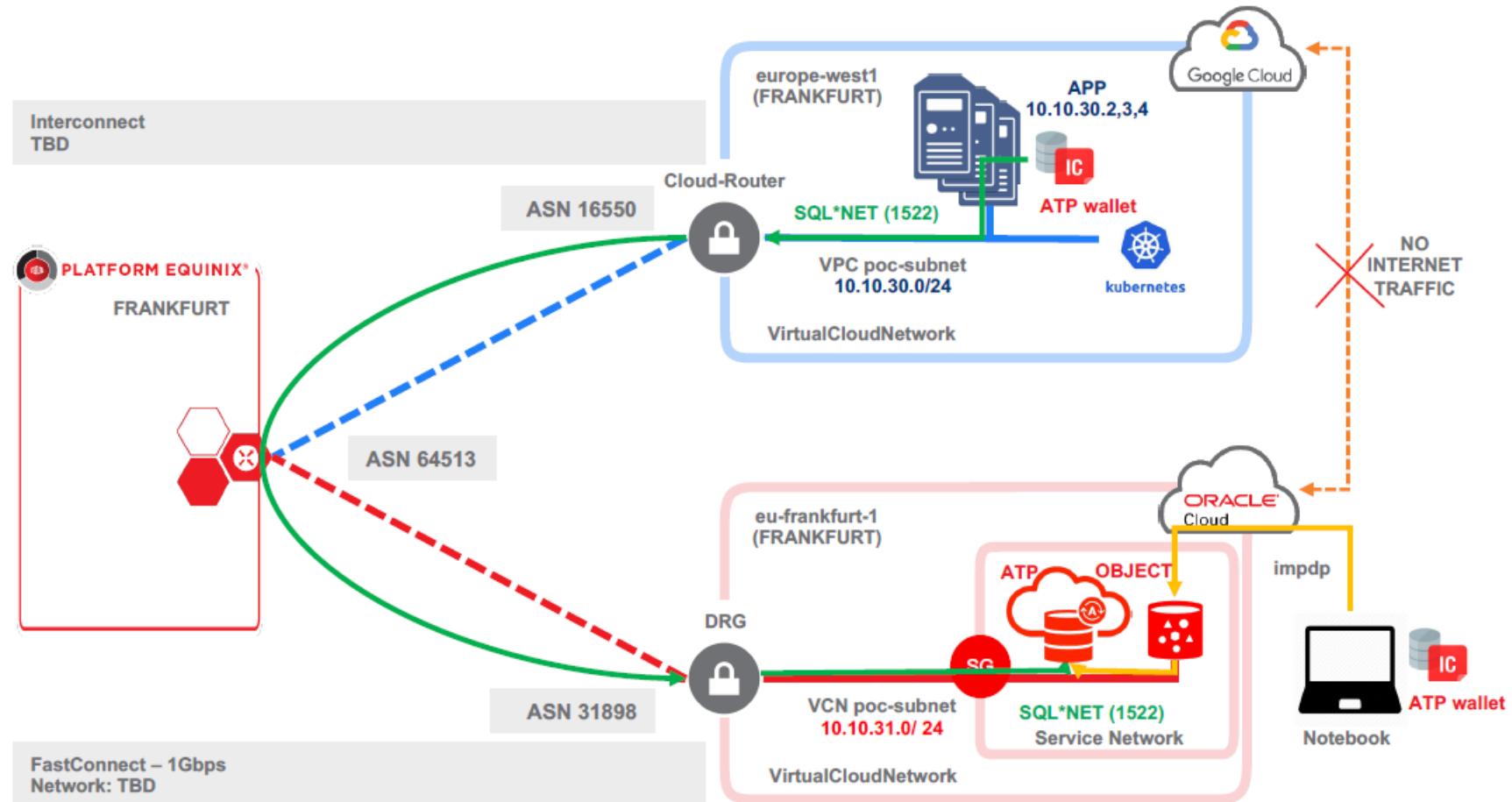


EQUINIX CLOUD EXCHANGE FABRIC



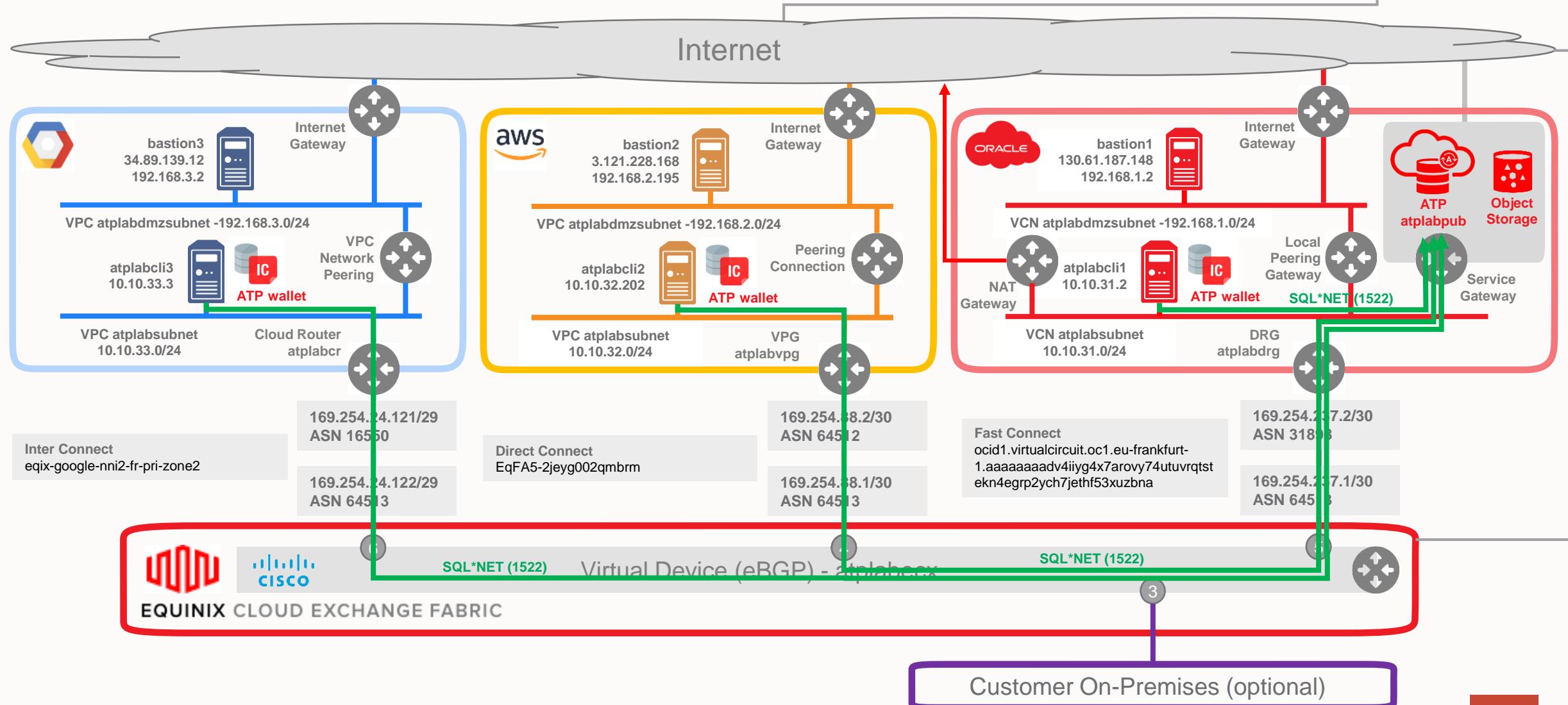
```
#show bgp vrf cloud neighbor 169.254.56.49 advertised-routes  
#ping vrf cloud 169.254.237.1  
#ping vrf cloud 10.0.0.2 source 192.168.255.1 repeat 5
```

20200214 – Customer PoC Architecture



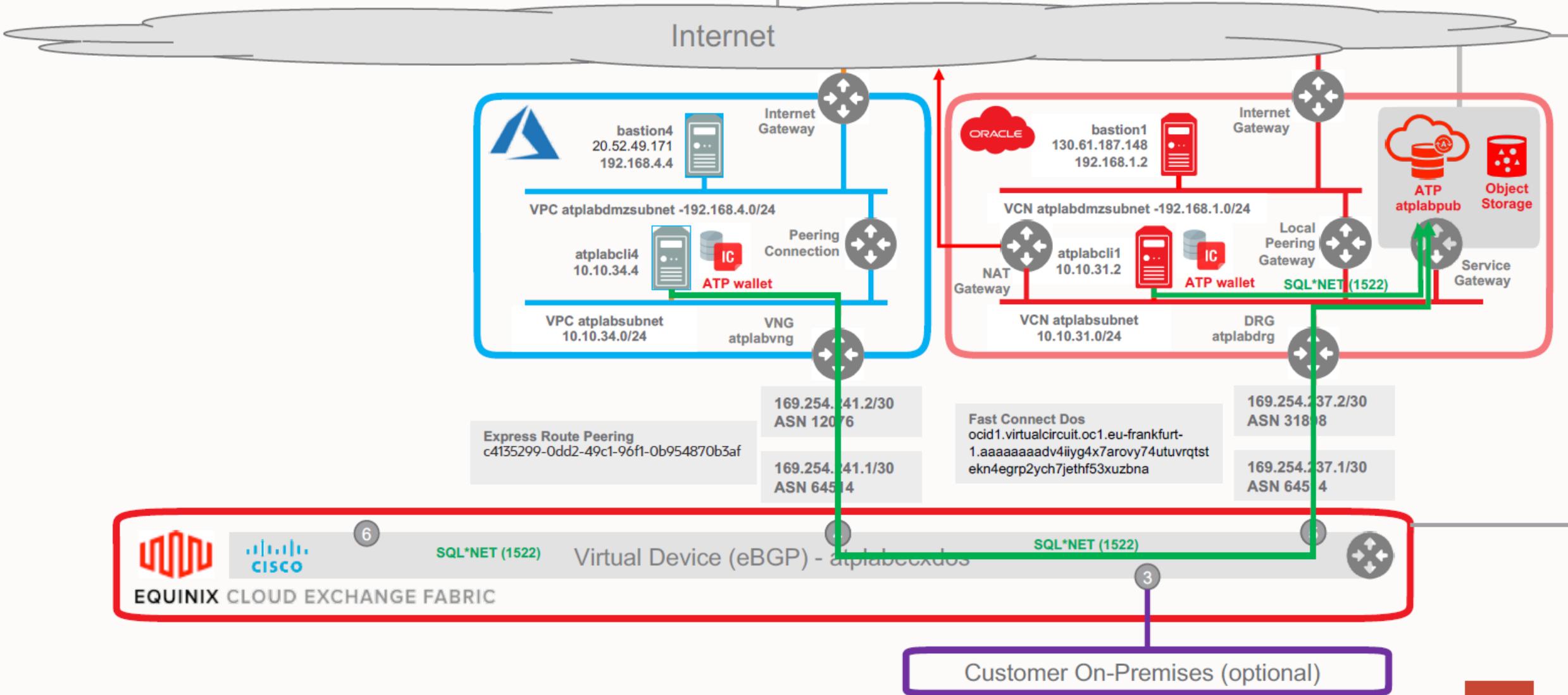
Converged Database Multicloud Workshop

ATPLAB: Overview



Converged Database Multicloud Workshop

ATPLAB: Overview



Elastic Performance

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

The screenshot shows the Oracle Cloud Infrastructure SQL Monitoring dashboard. The title bar includes tabs for Compute Engine - My First Pro, Instances | EC2 Management, Oracle Cloud Infrastructure, and ECX Fabric. The main navigation bar has links for ORACLE Cloud, Search for resources and services, and Germany Central (Frankfurt). The user is signed in as atplabpub.

The dashboard displays the Top 100 queries by Last Active Time. A table lists the following columns: Status, Duration, Inst ID, SQL ID, SQL Plan Hash, User Name, Parallel, Database Time, I/O Requests, and SQL Text. The duration column shows values such as 44.00s, 49.00s, 48.00s, 39.00s, 3.07m, 3.10m, 3.15m, and 3.18m. The parallel column indicates the degree of parallelism, mostly showing 4. The Database Time column uses color-coded bars to represent time in minutes (m), with blue for 3.00m and 3.31m, and yellow for 2.63m, 3.09m, 3.13m, 3.17m, and 3.21m. The I/O Requests column shows values like 166K and 165K. The SQL Text column shows various SELECT statements involving GCP, AWS, OCI, and Home databases.

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...

Close

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Partners Multicloud: Work in Progress



Customer Engagement

- Día Group
- Leroy Merlin

Database Summit Madrid

- Adoption Strategy



Marketing Campaign

- ADR Retail Accounts



Partner Enablement

- A&C Initiative



Solution Architecture

- Trial Accounts
- Customer Support

Agenda



Workshop
Workshop
Workshop

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 (3 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



Workshop
Workshop
Workshop

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

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'

Día 2:

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'

Día 3:

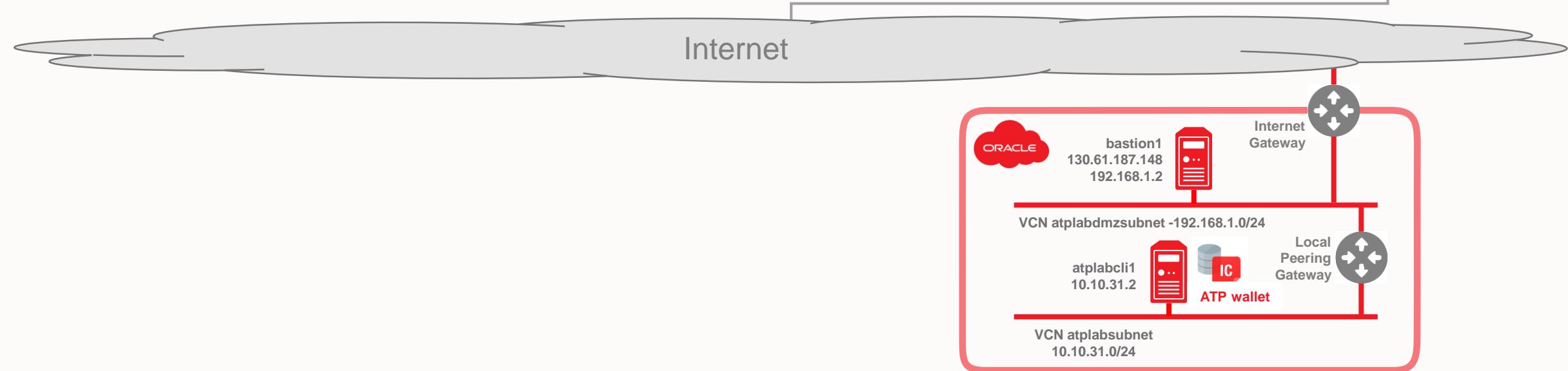
HOL5 - ATP tooling (extra Azure bastion4) 120'

Inspirational: 30'

Close: 15'

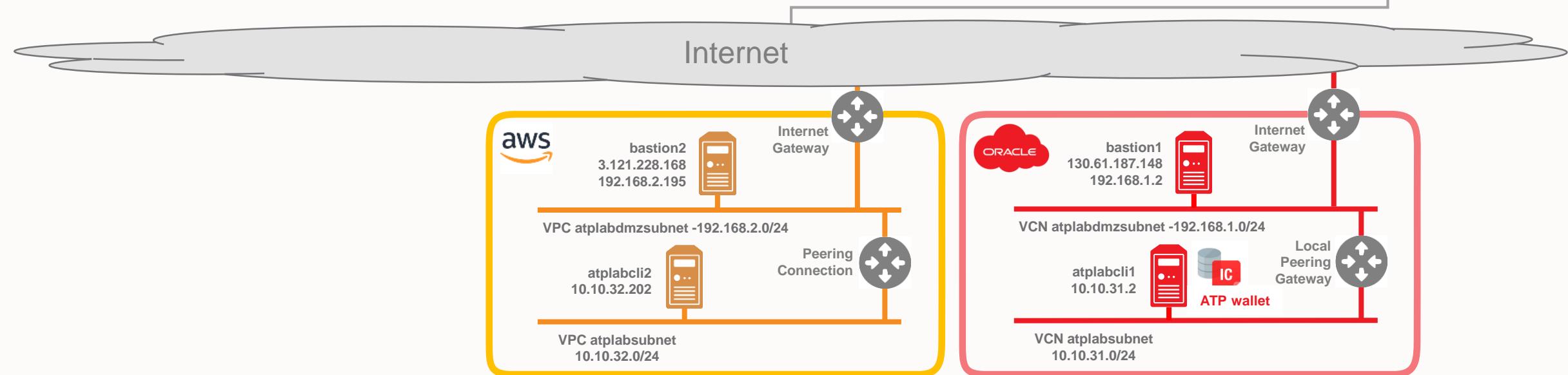
Converged Database Multicloud Workshop

ATPLAB: OCI pre-work done!



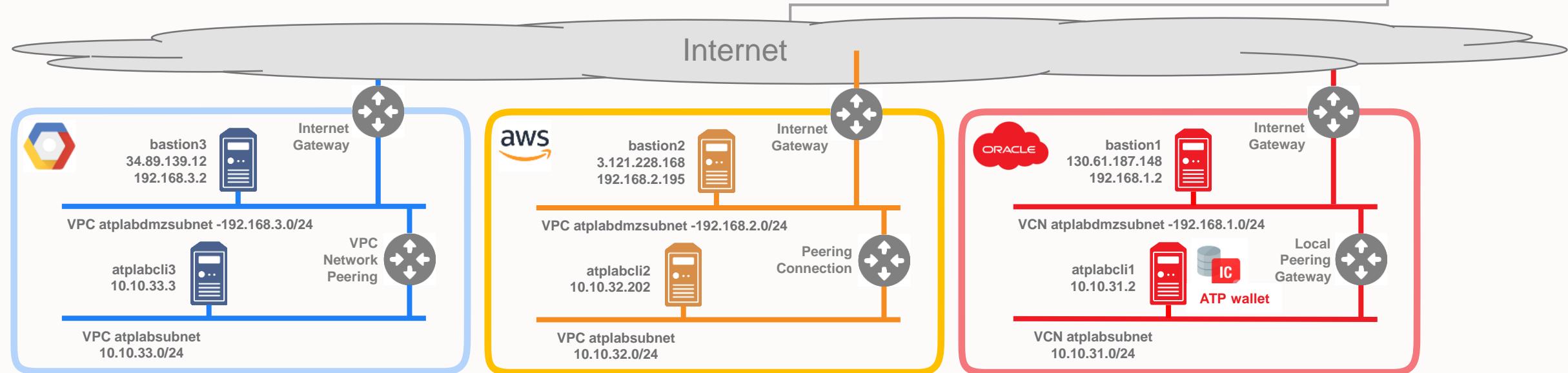
Converged Database Multicloud Workshop

ATPLAB: AWS pre-work done!



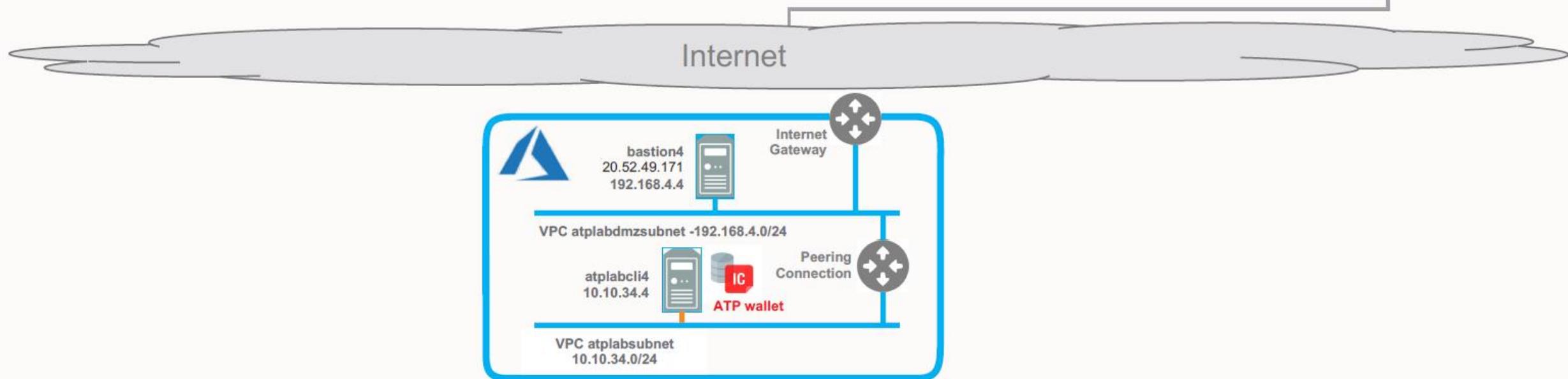
Converged Database Multicloud Workshop

ATPLAB: GCP pre-work done!



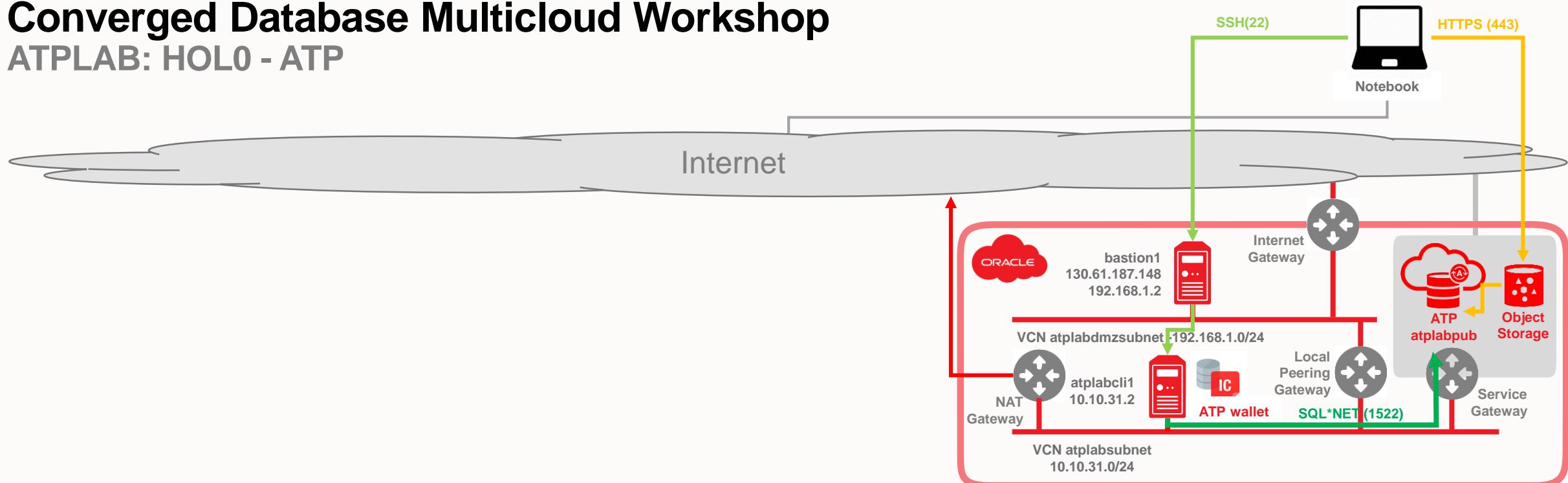
Converged Database Multicloud Workshop

ATPLAB: Azure pre-work done!



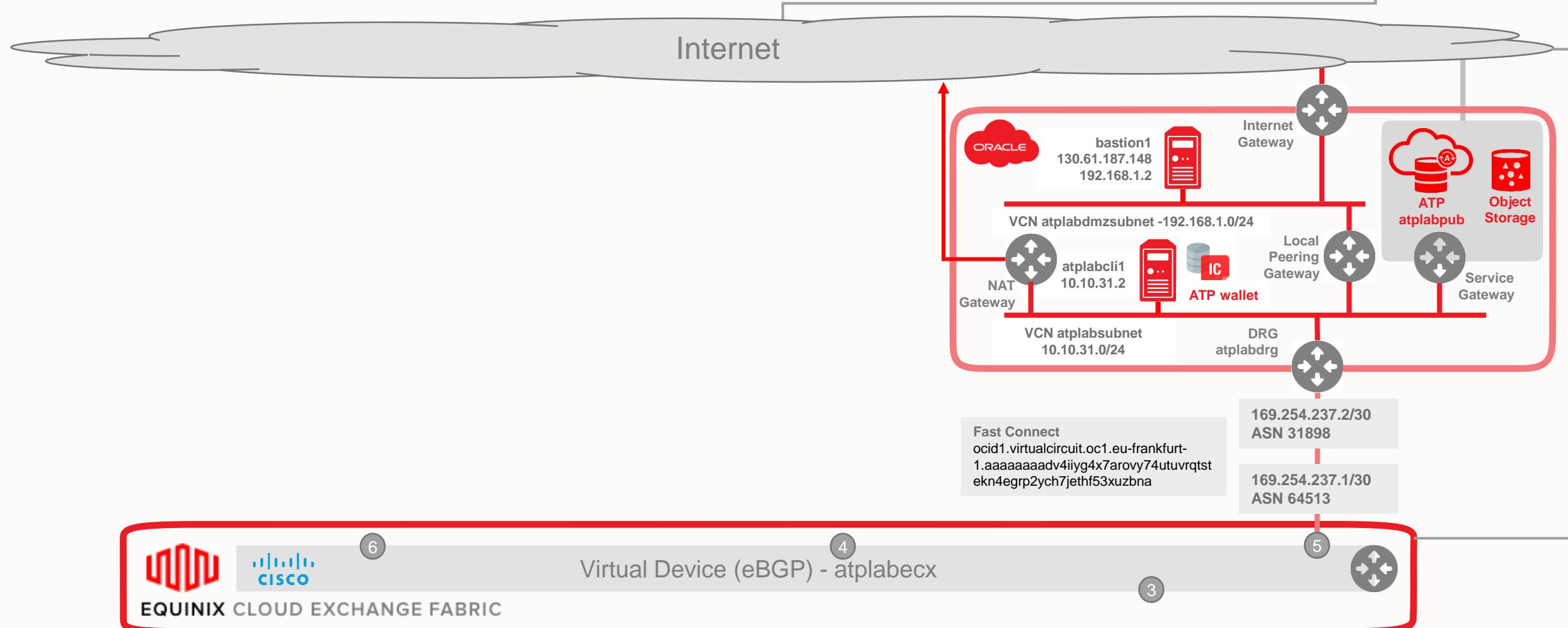
Converged Database Multicloud Workshop

ATPLAB: HOL0 - ATP



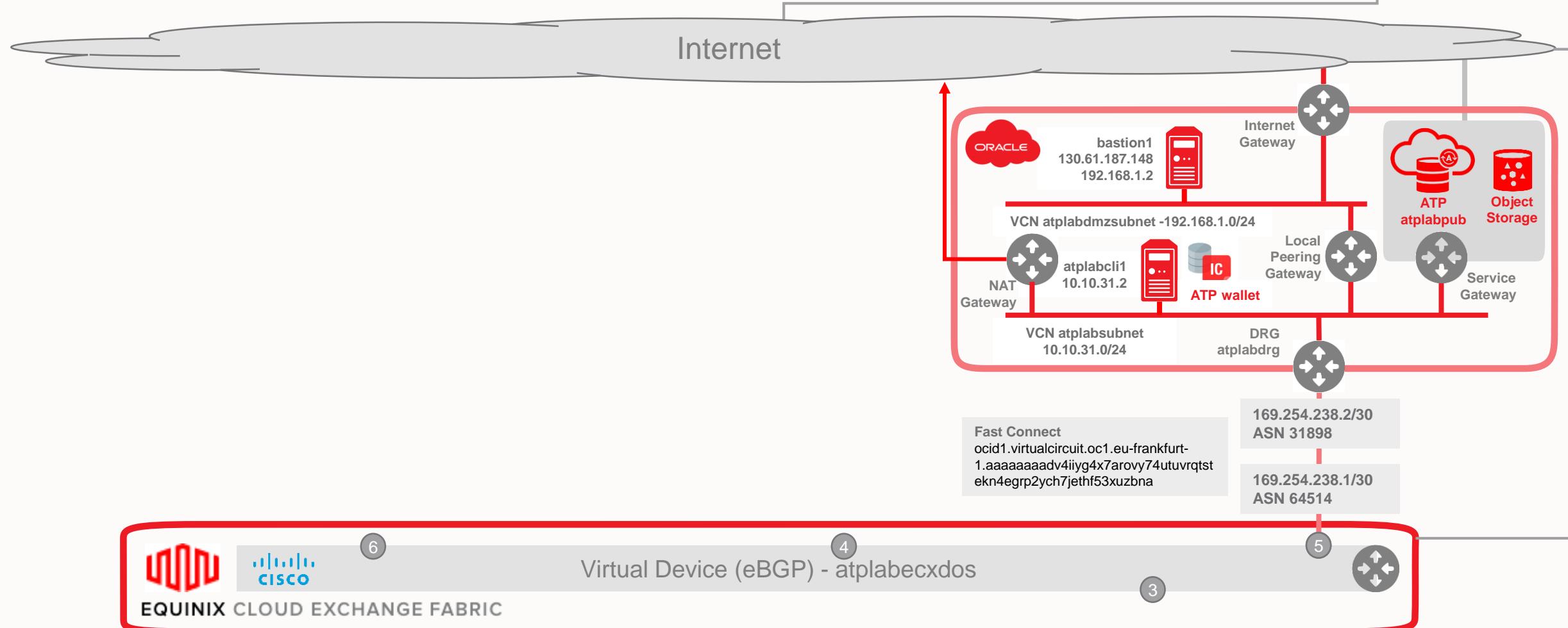
Converged Database Multicloud Workshop

ATPLAB: HOL1 - ECX and OCI Fast Connect



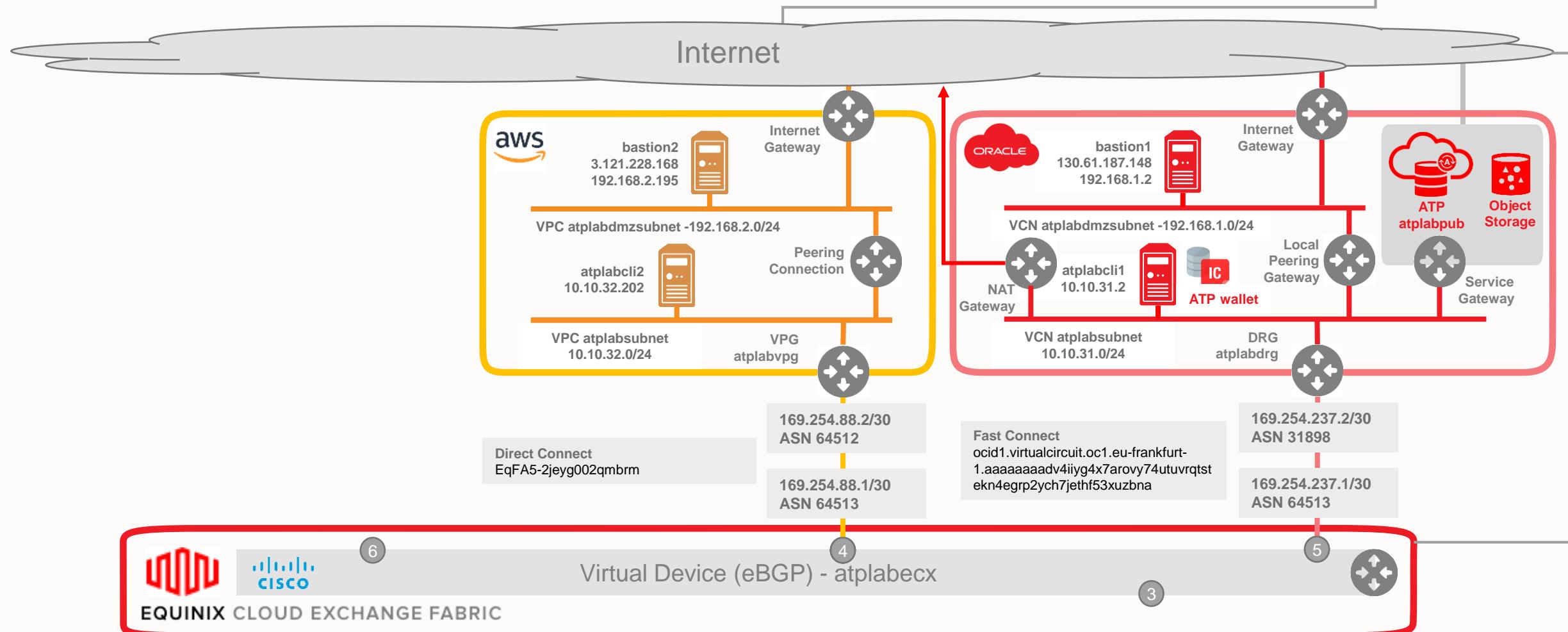
Converged Database Multicloud Workshop

ATPLAB: HOL1B - ECX and OCI Fast Connect Dos



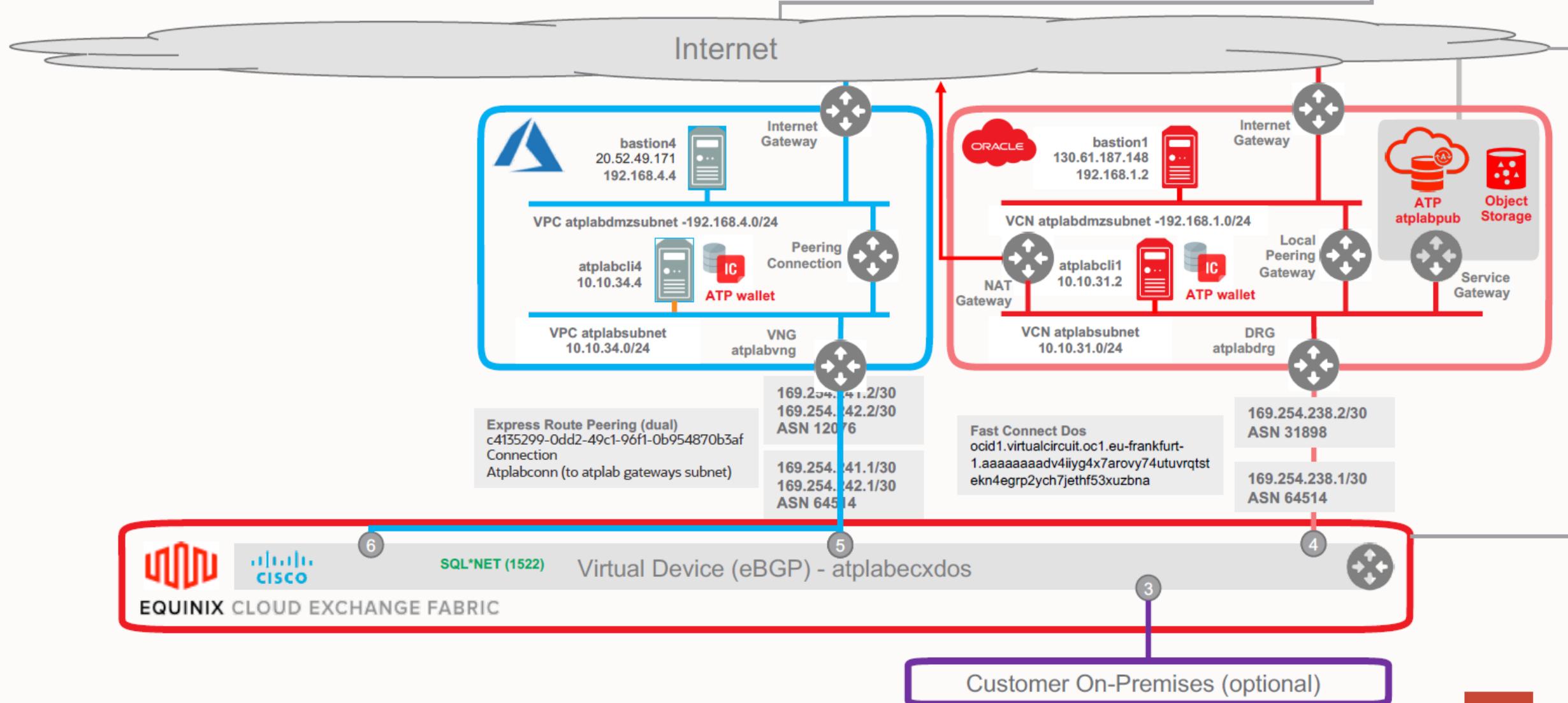
Converged Database Multicloud Workshop

ATPLAB: HOL2 - AWS Direct Connect



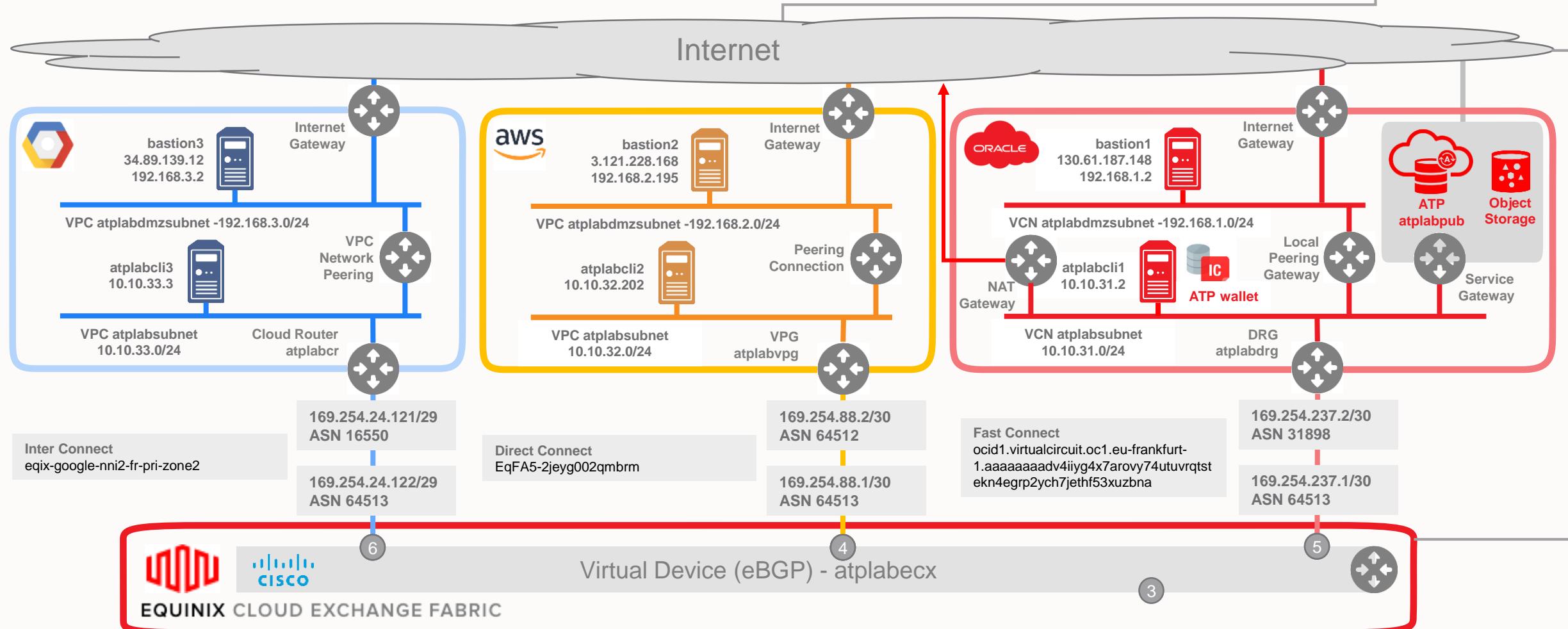
Converged Database Multicloud Workshop

ATPLAB: HOL2B – Azure Express Route



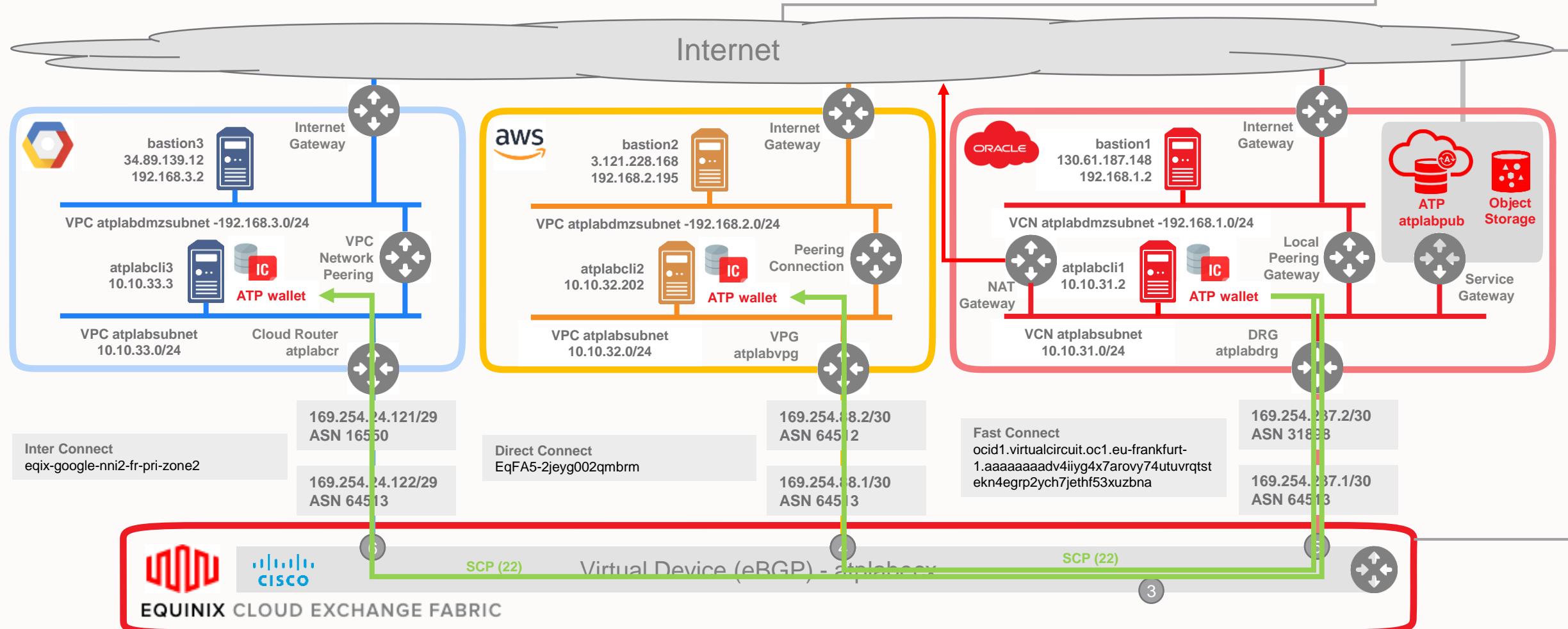
Converged Database Multicloud Workshop

ATPLAB: HOL3 - GCP Inter Connect



Converged Database Multicloud Workshop

ATPLAB: HOL4 - IC cloning

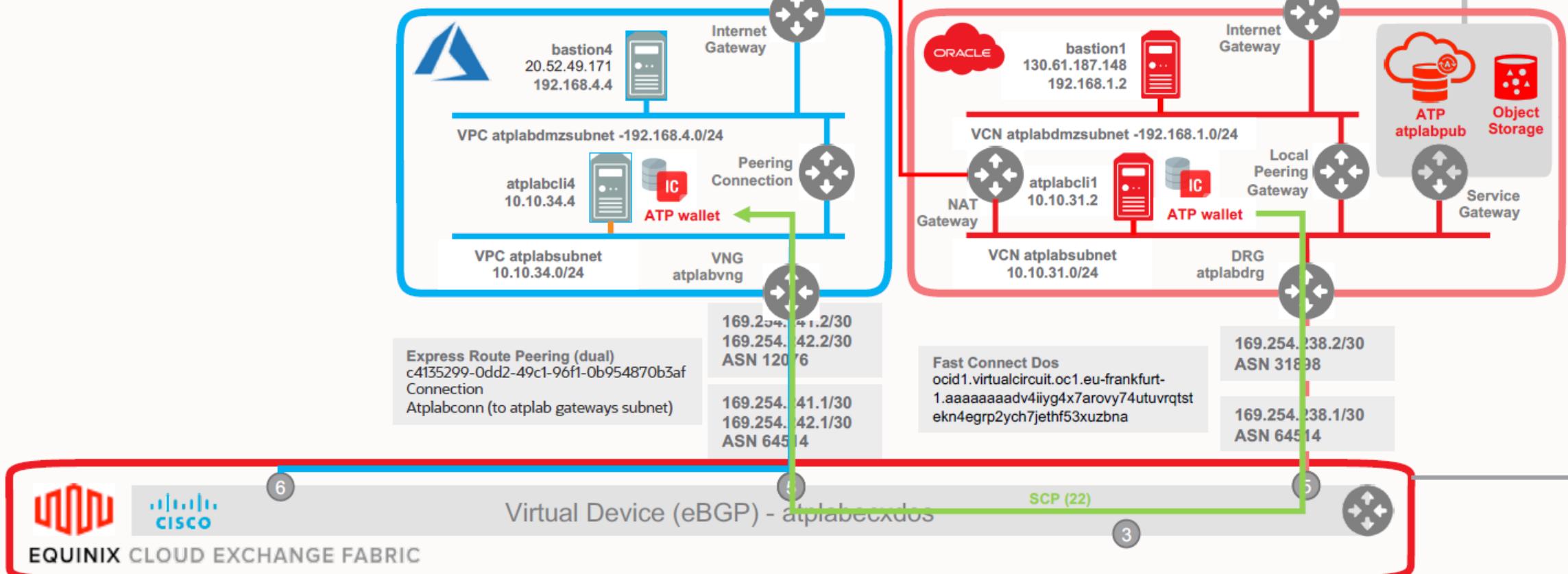


Converged Database Multicloud Workshop

ATPLAB: HOL4 - IC cloning (cont)

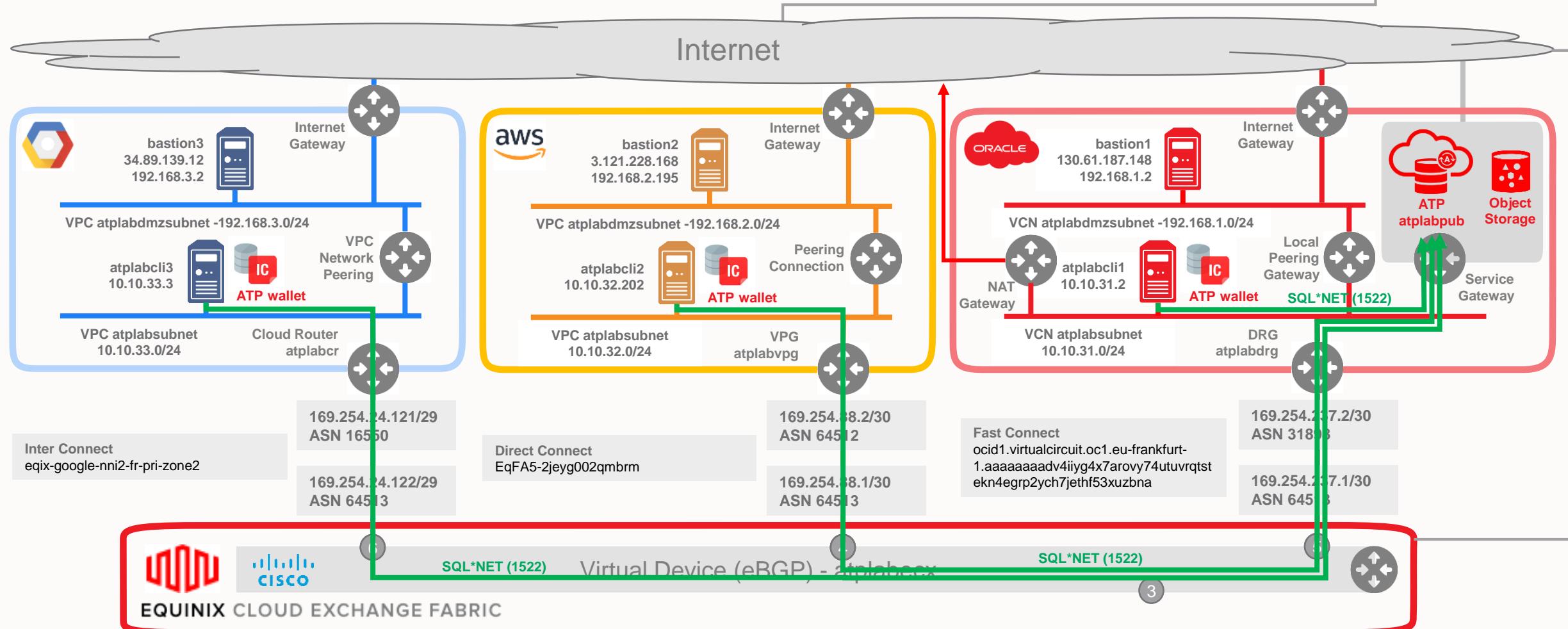


Internet



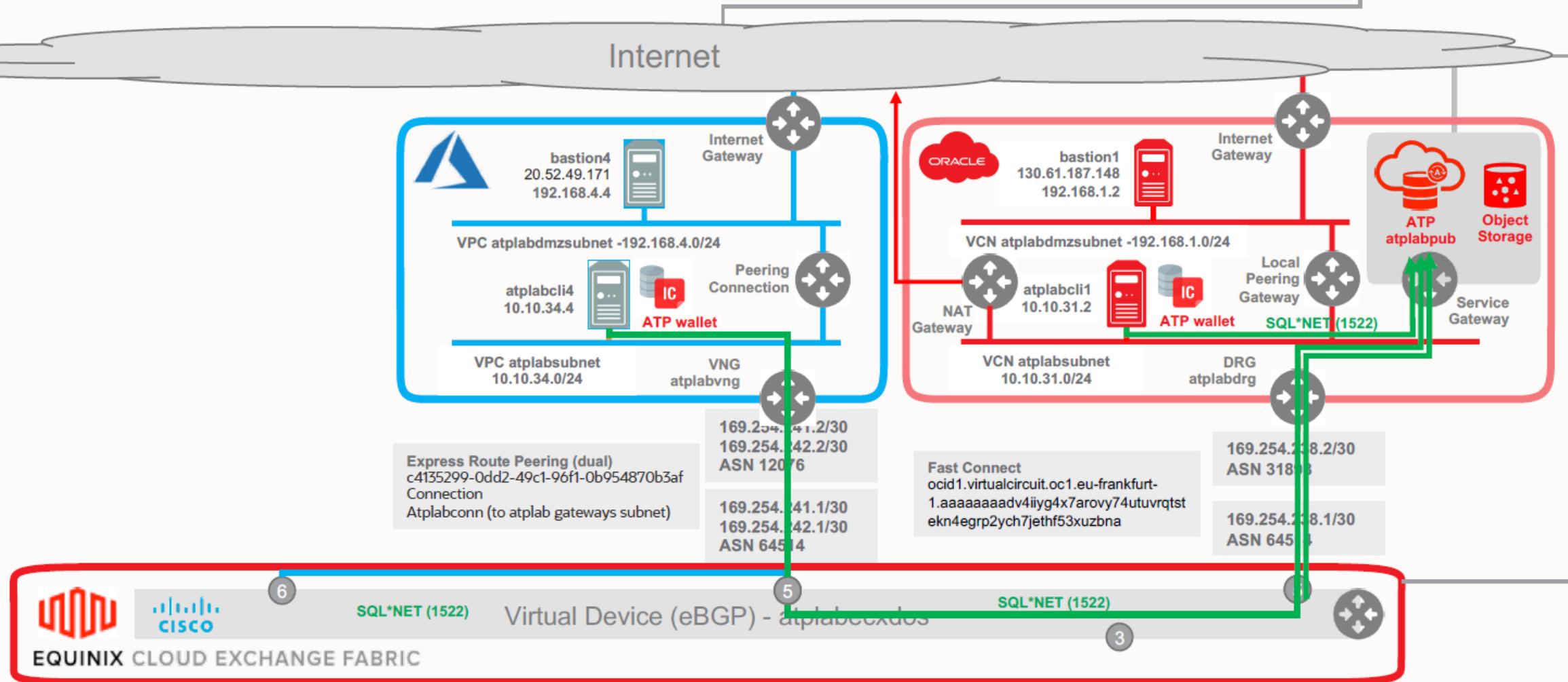
Converged Database Multicloud Workshop

ATPLAB: HOL4 - SQLplus queries to ATP



Converged Database Multicloud Workshop

ATPLAB: HOL4 - SQLplus queries to ATP (cont)

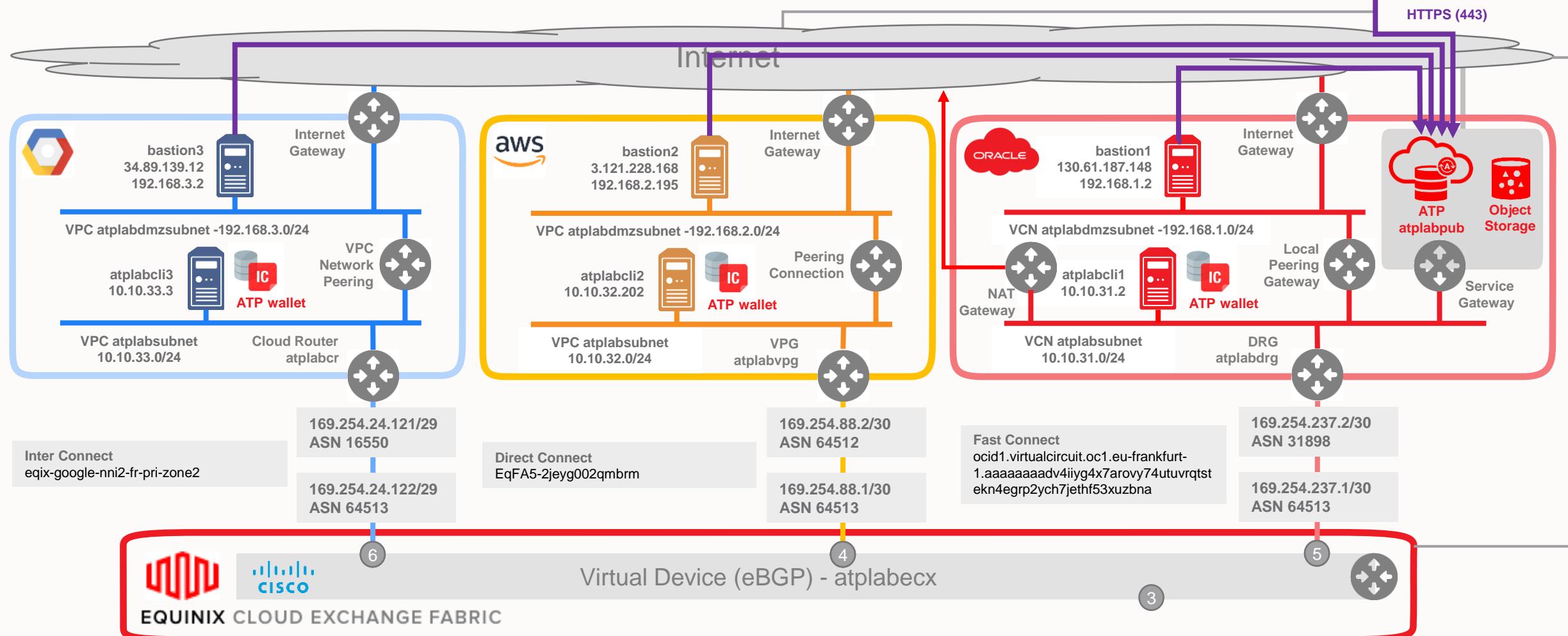


Converged Database Multicloud Workshop

ATPLAB: HOL5 - ATP tooling

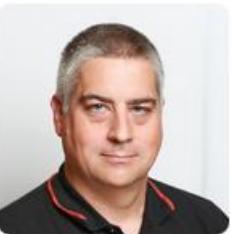


Your Web Browser
• ATP CONSOLE
• SQL DEVELOPER
• APEX
• ORDS



Hands-on Labs

Zoom Breakout Rooms



Carlos Casares
Iván Sampedro



Room 1



José Vázquez



Room 2



Víctor Mendo
Francisco Alvarez



Our mission is to help people
see data in new ways, discover
insights, unlock endless possibilities.



Thank you!

Oracle Spain

