

Hands On Lab 1B Segunda Conexión OCI desde Equinix



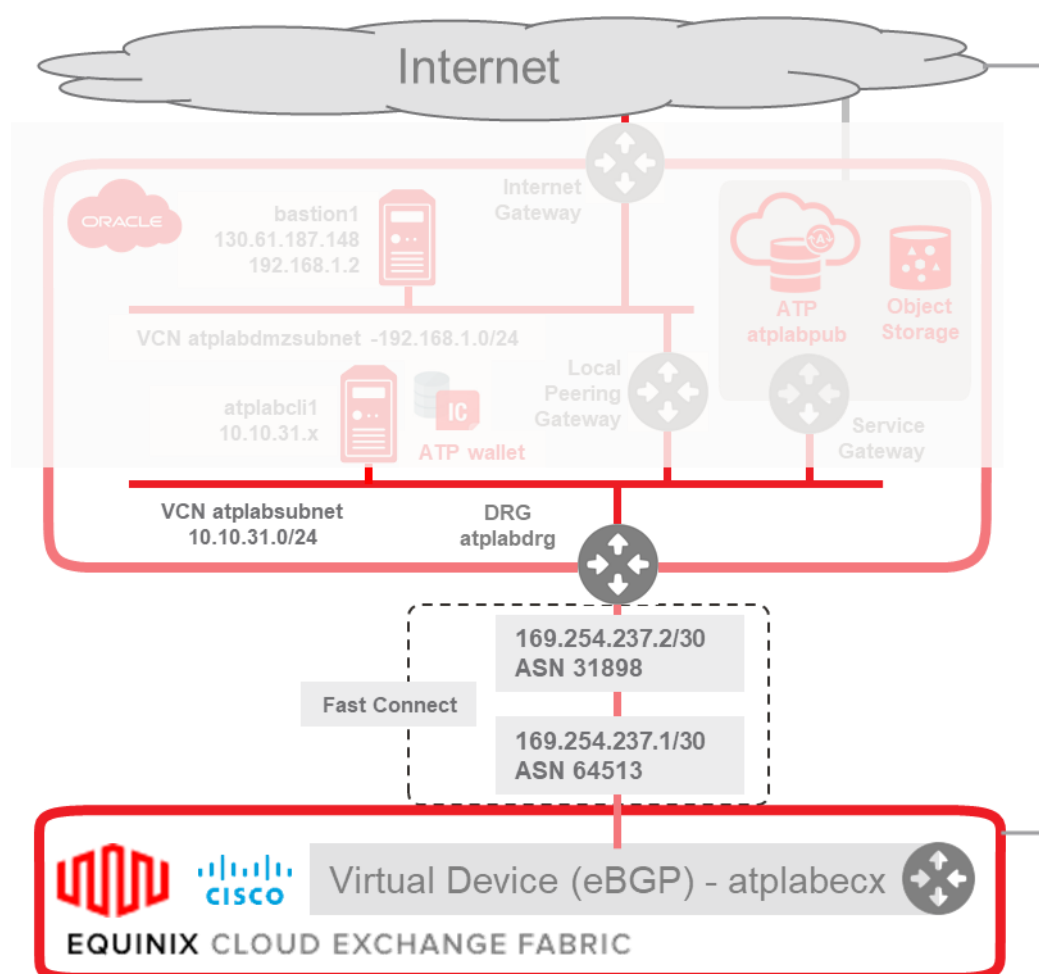
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Objetivo del Laboratorio

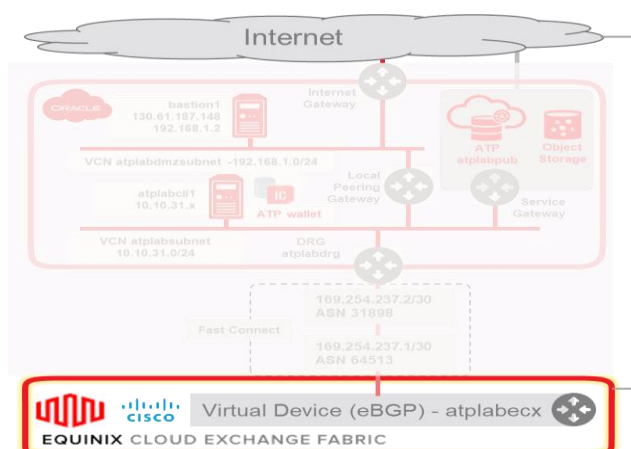
La conexión con Azure requiere redundancia por lo que se necesitan establecer 2 conexiones entre Azure y Equinix. Como los Routers utilizados en estos laboratorios solo permiten 3 conexiones, se debe crear un segundo Router en Equinix. El objetivo de este laboratorio es crear esta red de comunicaciones entre Oracle Cloud Infrastructure (OCI) y el proveedor de conexión de Data Center Equinix a través de Fast Connect y Equinix Cloud Exchange Fabric. También dejará preparado el se Dynamic Route Gateway (DRG) en OCI para conectar en los siguientes laboratorios las redes desde Microsoft Azure.



Configuración desde la parte de Equinix:

¿Qué voy a hacer?


Va a crear el router virtual de Equinix cloud Exchange fabric para poder realizar más adelante la configuración eBGP con OCI.



Conexiones:

Consola Equinix	https://ecxfabric.equinix.com
Usuario	Utilice las credenciales proporcionadas
Clave	Utilice las credenciales proporcionadas

En primer lugar, hacemos log in en la consola de inicio de Equinix con nuestro nombre de usuario y contraseña.



EQUINIX

Log In


Welcome to ECX Fabric. Please sign in to continue.

Username

am



Password



Forgot your [Username](#) or [Password](#)?

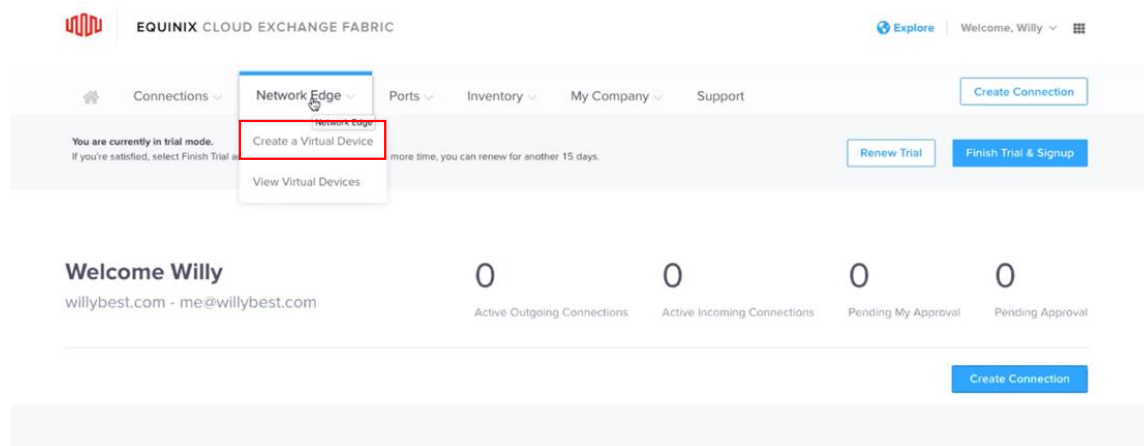
Log In

Don't have an account? [Request an account](#)

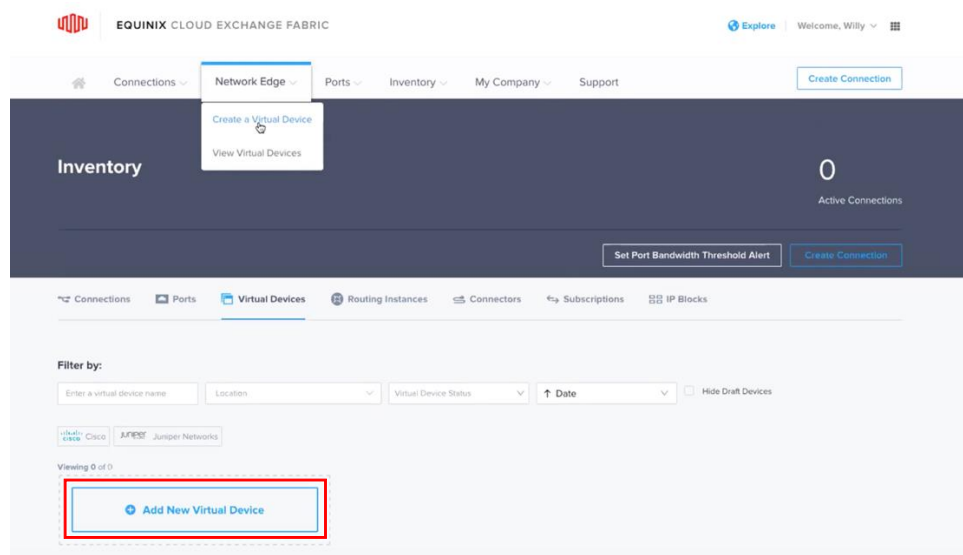
Una vez dentro, accedemos a la consola de administración de cloud en Equinix. Desde aquí podemos crear tanto conexiones a nuestros clouds como configuraciones de red.



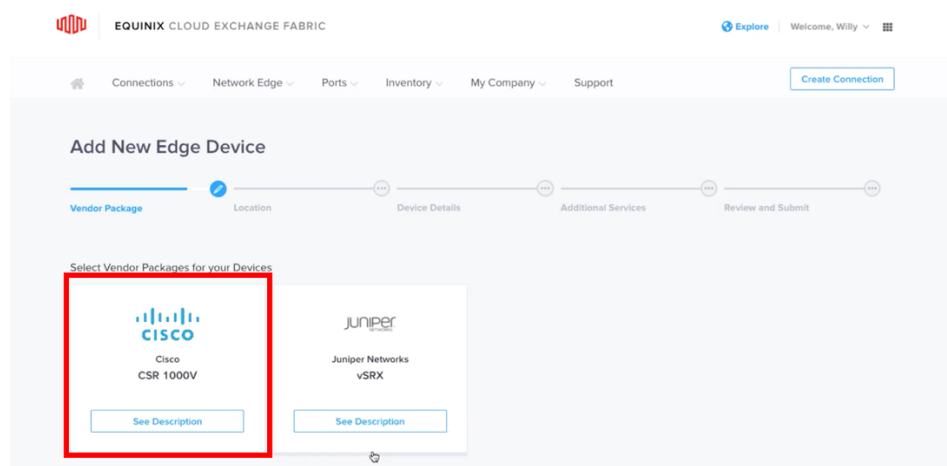
Para empezar, vamos a crear un nuevo dispositivo virtual.



Una vez en el Inventario, pulse el botón para crear un nuevo dispositivo Virtual



Va a crear un router CISCO CSR 1000V. Por favor siga la configuración paso a paso.



Dentro del paso a paso para crear este router, hay que proporcionar datos como la región en la que se va a ubicar el dispositivo. El primer paso es seleccionar la región en la que se va a situar el router (en este caso **Frankfurt**).

The screenshot shows the 'Create a Cisco CSR 1000V' wizard in the Equinix Cloud Exchange Fabric interface. The 'Location' step is selected in the progress bar. Below the progress bar, there is a section titled 'Select Edge Device Location' with the instruction 'Choose the Metro where this new Edge Device will be deployed.' Underneath, a 'Select Metro' grid displays various metro locations: Silicon Valley, Ashburn, Chicago, Dallas, London, Frankfurt (highlighted with a red box and a mouse cursor), Amsterdam, Singapore, and Sydney.

En segundo lugar, hay que nombrar el dispositivo y el host en el que se encuentra. Seleccione la licencia de ancho de banda para el router, y proveer un correo electrónico para recibir notificaciones.

Device name	Atplabecxdos
Host name prefix	Atplabecxdos
Mail	Your mail
Select License Throughput	50 Mbps
Software Package & Version	La última versión que aparezca



Create a Cisco CSR 1000V



Vendor Package



Location



Device Details

Additional Services

Review and Submit

Device Configuration

Select an option: have Equinix configure your device or configure it yourself.

Equinix-Configured

Equinix will configure connectivity for your device via the ECX Fabric portal. This configuration includes services like VPN and BGP. This type of device has restricted access.

Self-Configured

Provision and configure your own services. This type of device has less restricted access.

Licensing

Would you like Equinix to provide a license or will you provide your own license?

Subscription

Equinix provides the software license for you, then bills you for the service. This option includes end-to-end support.

Bring your Own License

Use your existing software license. This option includes limited Equinix support.

Device Resources


Select the appropriate resource below. 

2 Cores, 4 GB Memory

4 Cores, 4 GB Memory

6 Cores, 4 GB Memory

Software Package

Select software package 

Security

Version

Select a version 

16.09.02

16.09.03

16.09.05

License Throughput

Select a license throughput. 

50 Mbps

1 Gbps

2.5 Gbps

5 Gbps

10 Gbps



Virtual Device Details

Device Name ?
Atplabecidos ✓

Host Name Prefix ?
Atplabecidos ✓

Interfaces
Select the number of interfaces for your device
6 Interfaces (Default) ▾

Device Status Notifications
Enter up to 5 email address(es) that will receive device status notifications.
workshop2020101401@mybestdemo.com ✓
[Add Email\(s\)](#)

Optional Details
Order Reference/Identifier Optional
Enter a short name/number to identify this order on the invoice.
Reference ?

0/100

[Back](#) [Cancel](#) [Delete Draft Device](#) [Save](#) [Next: Additional Services](#)

Seleccione el botón **Next Additional Services** para añadir nuevos usuarios así como IPs de acceso al dispositivo recién creado.

Esta parte no se utilizará realmente en el laboratorio por lo que puede obviar esta configuración y pasar directamente por el siguiente menú sin hacer nada.

El último paso de este proceso sería revisar todos los datos introducidos para ello pulse sobre el botón **Next: Review**.



Create a Cisco CSR 1000V



Add Users

Define up to 5 distinct user credentials that will be loaded as an access control list for users accessing your Edge Device via SSH/HTTPS.

☐ Primary Device

Add Access IP Addresses

Define one or more IP address subnets that will be loaded as an access control list for users accessing your virtual device.

☐ Primary Device

Back

Cancel

Save

Next: Review



A continuación, aceptar los términos y condiciones.

Terms & Conditions

Read and scroll to the bottom of these terms to continue.

Print Order Terms

and legally bind Customer to this Order, as governed by and incorporated by reference into the Interconnection Terms and Conditions between Customer and the Equinix entity identified herein ("Agreement"). Unless otherwise defined in this Order or if the context requires otherwise, all capitalized terms used in this Order shall have the meanings ascribed to them in the Agreement. "Product(s)" as used in this Order means all the products and services specified in this Order. The initial term of this Order is stated herein ("Initial Term"), and it will commence on the date the Product(s) are delivered ("Effective Date"). After the Initial Term and any subsequent Renewal Period, the term of this Order will automatically renew for a period equal to the Initial Term (each a "Renewal Period") unless either Party terminates this Order by providing written non-renewal notice ninety (90) days prior to the end of the then-current term to the other Party, in which event this Order will terminate at the end of the then-current term. For avoidance of doubt, the notice period for an Initial Term of one month is thirty (30) days, rather than ninety (90) days. Except when using BYOL Software, this Order incorporates the Product Provider's EULA accessible on the Order acceptance page, and the Product Policies which are attached as Exhibits to the Customer's Interconnection Terms and Conditions. All Product(s) selected as part of this Order are subject to availability. Equinix, in its sole discretion, reserves the right to reject any handwritten or typed modification to this Agreement or any Order which is not mutually agreed to in writing. If you have any questions regarding the terms of this Order, please contact your Equinix Sales Representative.

☒ I have read and understand these terms.

Cancel

Decline

Accept

Y por último pulsar sobre el botón **Create Edge Device** para crear el dispositivo de red en Equinix.

Vendor Package

Location

Device Details

Additional Services

Review and Submit

Device Preview

Atplabecxdos

Frankfurt

Cisco | CSR 1000V | Router

Device Details

Virtual Device Name	Atplabecxdos
Host Name Prefix	Atplabecxdos
Location	Frankfurt
Device Type	Router
Vendor	Cisco
Model	CSR 1000V
Device Configuration	Equinix-Configured
License	Sub
Device Resources	2 Cores, 4 GB Memory
Software Package	Security

Terms & Conditions

Before your order can be submitted, you must do two things. 1. Click on the Vendor terms and 2. Click on the Order Terms, then review and accept them.

Order Terms

Accepted



Additional Services

SSH/HTTPS Access	Not Enabled
Access IP Addresses Subnet(s) or FQDN(s)	No IP or network address was added to the access list

Back

Cancel

Delete Draft Device

Save

Create Virtual Device

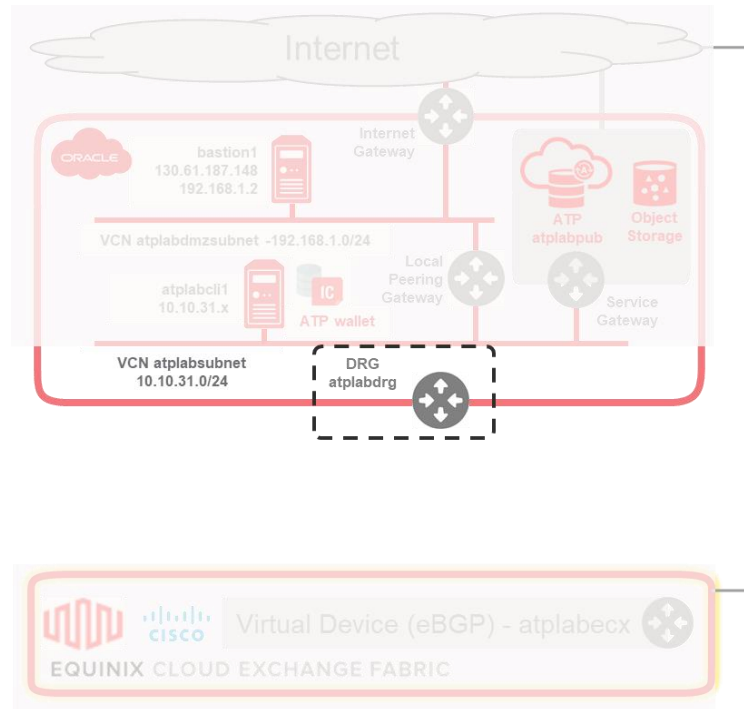
El dispositivo tardará unos minutos en ser provisionado. Durante este tiempo, puede continuar con el workshop.



Configuración de red desde Oracle Cloud Infrastructure.

¿Qué voy a hacer?

Va a actualizar el Dynamic Routing Gateway (DRG) que se creó en el HOL 1 para incluir las rutas a Azure.

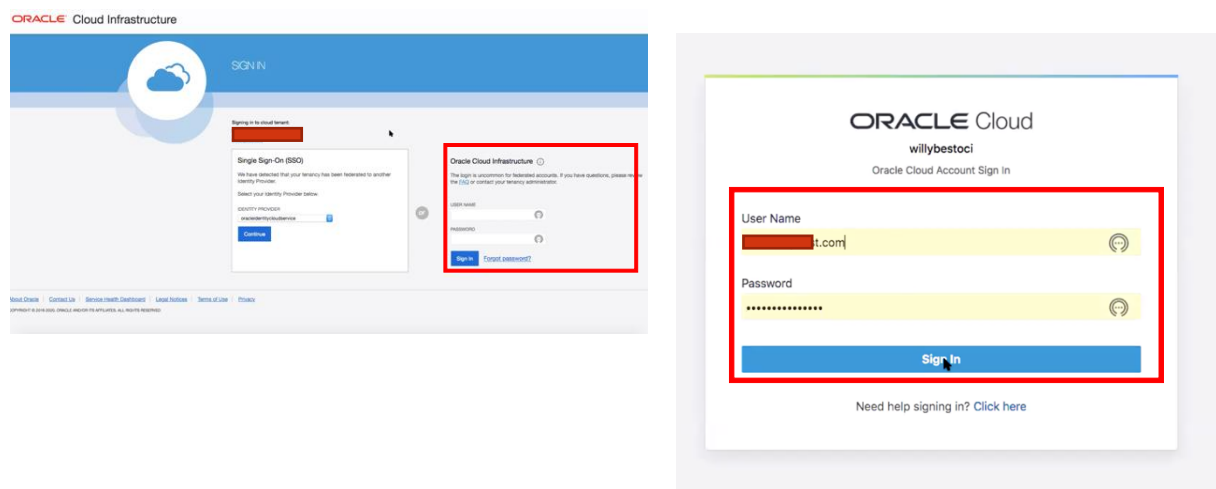


En primer lugar, debe ir a la pantalla de log-in, introducir el nombre de tenant de nuestra cuenta de cloud de Oracle.

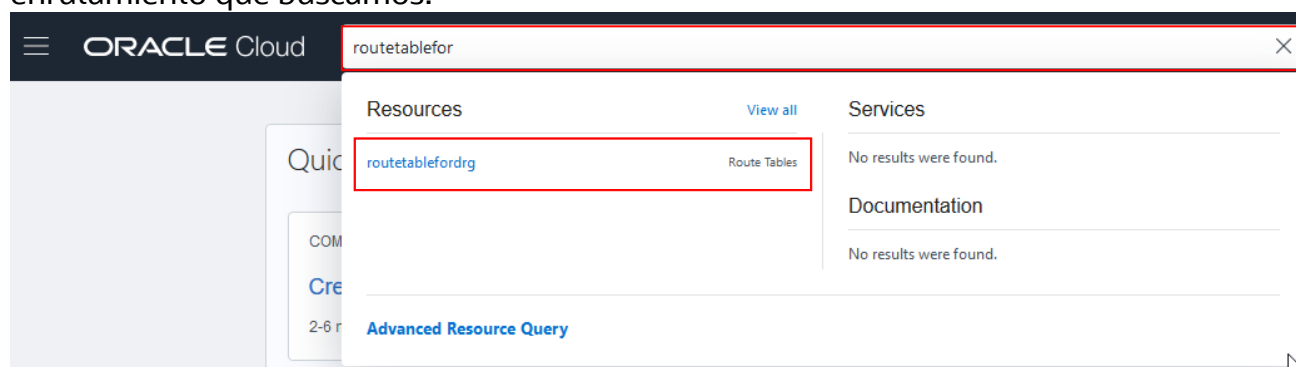
OCI URL	https://console.eu-frankfurt-1.oraclecloud.com/
Tenant	Utilice las credenciales proporcionadas
User name	Utilice las credenciales proporcionadas
Password	Utilice las credenciales proporcionadas



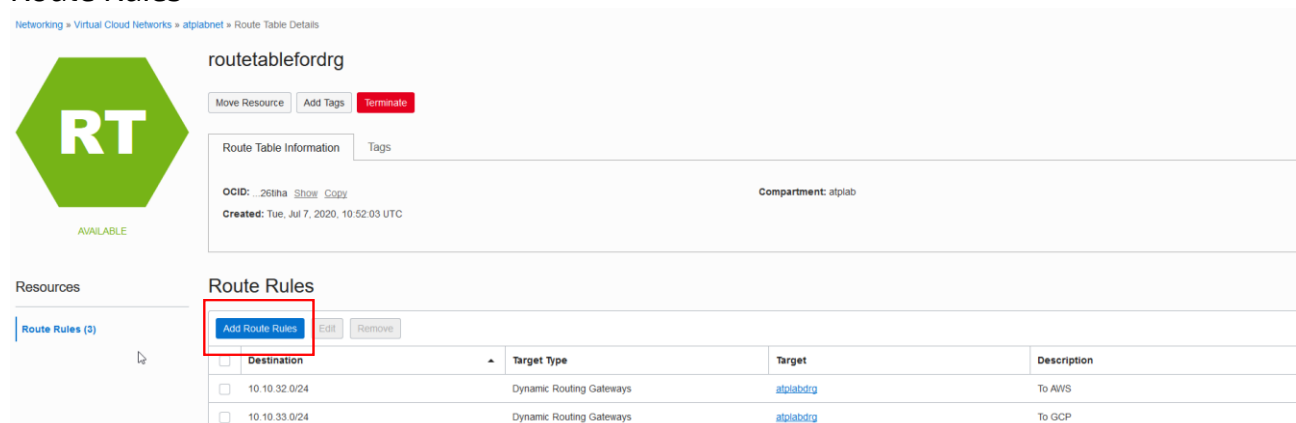
Le aparecerá una pantalla para introducir nombre de usuario y contraseña.



Una vez hecho esto, tendrá acceso al Dashboard de OCI (Oracle Cloud Infrastructure). Vamos a actualizar la tabla de enrutamiento del DRG creada en el HOL 1 llamada routetablefordrg. Tras hacer click en el buscador en la parte superior del menú, empezamos a teclear routetablefordrg y enseguida se nos mostrará la tabla de enrutamiento que buscamos.




Hacemos click en la misma para acceder a su configuración. Pulsamos en el botón Add Route Rules



Introducimos los siguientes detalles y hacemos click en Add Route Rules:

Target Type	Dynamic routing Gateway
Destination CIDR BLOCK	10.10.34.0/24
Description	To Azure

Add Route Rules [Help](#)

 **Important:**
For a route rule that targets a Private IP, you must first enable "Skip Source/Destination Check" on the VNIC that the Private IP is assigned to.

Route Rule

TARGET TYPE

Dynamic Routing Gateway

DESTINATION CIDR BLOCK

10.10.34.0/24

Specified IP addresses: 10.10.34.0-10.10.34.255 (256 IP addresses)

TARGET DYNAMIC ROUTING GATEWAY

Name: atplabdrg
Compartment: atplab

DESCRIPTION OPTIONAL

to Azure

Maximum 255 characters

+ Additional Route Rule

Add Route Rules

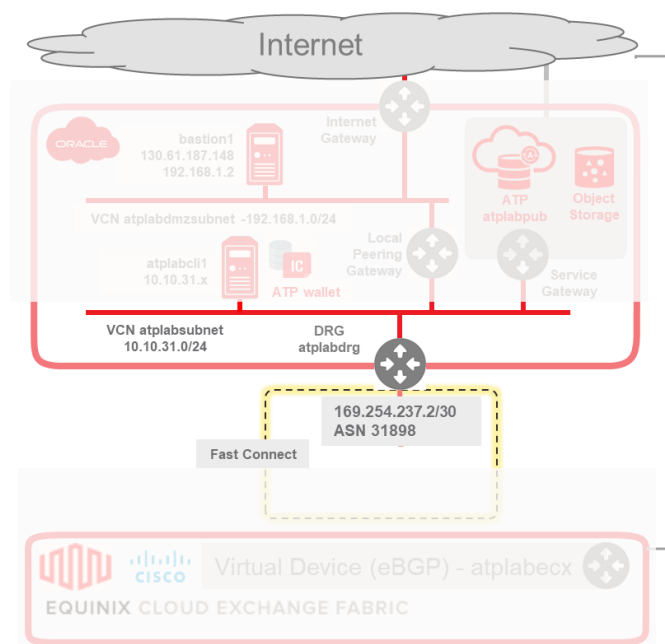
[Cancel](#)



Conexión Fast Connect

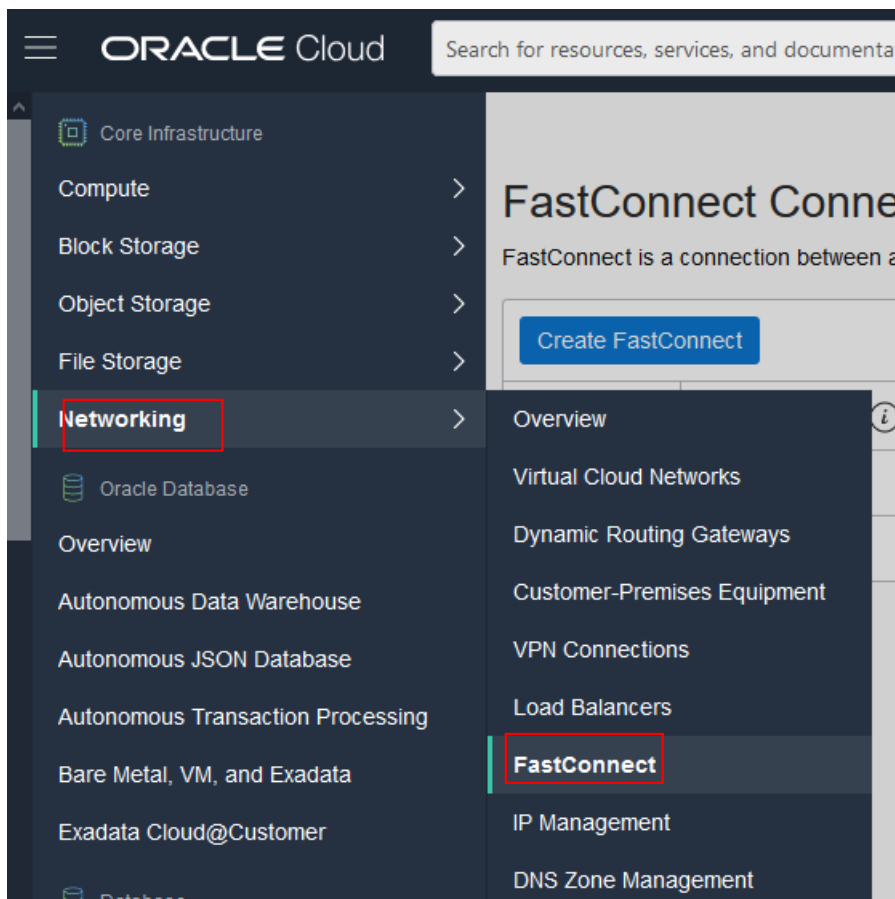
¿Qué voy a hacer?

Va a crear una segunda conexión fast connect desde OCI a Equinix ECX para poder interconectar en los siguientes laboratorios con Azure.

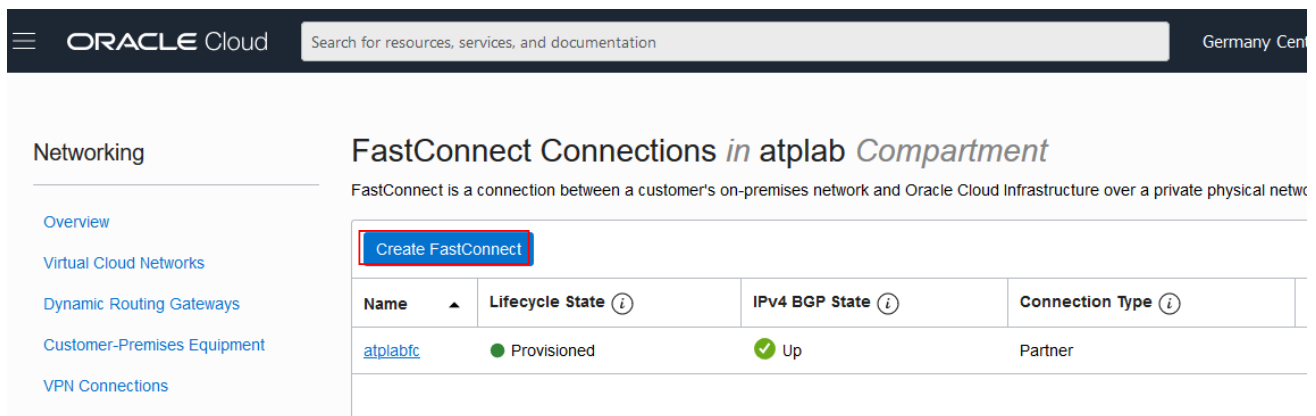


Una vez creadas las tablas de rutas hacia las nubes de Amazon, Google y Azure, vaya al menú principal de OCI (icono hamburguer), y dentro de Networking, acceda a la sección Fast Connect





Pulse el botón para crear una nueva **Fast Connect** con Nombre del FastConnect: **atplabfc**



Seleccione el uso de un proveedor de Oracle y, después, seleccione Equinix.



Create Connection

1 Connection Type

2 Configuration

Connection Type

FastConnect lets you access your existing network from your Virtual Cloud Network (VCN) without traversing the internet. Choose an option:

CONNECTION TYPE

FastConnect Partner

Use this option if you have a relationship with a FastConnect partner. Here you set up the Oracle side of a virtual circuit that runs on the partner's connection. See the topics to the right.

FastConnect Direct

Use this option if you want a dedicated connection by the way of a third-party network partner or by colocating in a FastConnect POP. Here you request a cross-connect and receive the Letter of Authorization (LOA). After cabling is complete at the POP, you return here to activate the cross-connect and set up at least one virtual circuit. See the topics to the right.

PARTNER

Equinix: CloudExchange

Next

Cancel

En el siguiente menú, introduzca los siguientes datos:

Name (optional)	atplabfcdos
Dynamic Routing Gateway	atplabdrdg
Virtual Circuit Type	Private Virtual Circuit
Bandwith	1 GBPS
Customer BGP IP Address	169.254.131.1/30
Oracle BGP IP Address	169.254.131.2/30
Customer BGP ASN	64514



ORACLE Cloud

Search for resources, services, and documentation

Germany Central (Frankfurt)

Create Connection [Help](#)

1 Connection Type

2 Configuration

NAME OPTIONAL

atplabfcdos

COMPARTMENT

atplab

workshop2020101401 (root)/atplab

VIRTUAL CIRCUIT TYPE

Private Virtual Circuit

Private IP addresses are advertised (typically RFC 1918). The connection uses a dynamic routing gateway that you attach to our VCN.

Public Virtual Circuit

Oracle Cloud Infrastructure public IP addresses are advertised (for example, for Object Storage). You also provide the public IP prefixes that you want to advertise.

DYNAMIC ROUTING GATEWAY IN ATPLAB [\(CHANGE COMPARTMENT\)](#)

atplabdrg

PROVISIONED BANDWIDTH

1 Gbps

BGP IP Addresses

CUSTOMER BGP IPV4 ADDRESS

169.254.131.1/30

Provide IPv4 Address: Example: 10.0.0.22/30

ORACLE BGP IPV4 ADDRESS OPTIONAL

169.254.131.2/30

Provide IPv4 Address: Example: 10.0.0.21/30

CUSTOMER BGP ASN

64514

☐ USE A BGP MD5 AUTHENTICATION KEY OPTIONAL

Provide a key only if your system requires MD5 authentication.

Tagging is a metadata system that allows you to organize and track resources within your tenancy. Tags are composed of keys and values that can be attached to resources.

[Learn more about tagging](#)

TAG NAMESPACE

None (add a free-form tag)

TAG KEY

VALUE

Previous

Create

[Cancel](#)

Espere que se provisione su **Fast Connect** unos minutos hasta que aparezca el estado **Pending Provider**

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Germany Central (Frankfurt) ▾

Networking » FastConnect » Connection Detail

PENDING PARTNER

i
Connection Created
 What's next?
 Copy the OCID and give it to the partner to provision the virtual circuit from their end. When BGP State changes to UP, the
OCID: ...aq4ywq [Show](#) [Copy](#)
Partner Portal: [Equinix](#)

Close

!
Warning: This FastConnect has only a single virtual circuit. Oracle recommends having redundant connections for high av
[problem](#)

atplabfcdos

EditMove ResourceAdd TagsDelete

Virtual Circuit InformationBGP InformationTags

Lifecycle State: ● Pending Partner
Partner Name: Equinix
Virtual Circuit Type: Private
Created: Tue, Oct 27, 2020, 16:34:29 UTC
OCID: ...aq4ywq [Show](#) [Copy](#)

IPv4 BGP State: Down
Connection Type: Partner
Provisioned Bandwidth: 1 Gbps
BGP MD5 Authentication: Not Enabled
Dynamic Routing Gateway: [atplabdrq](#)

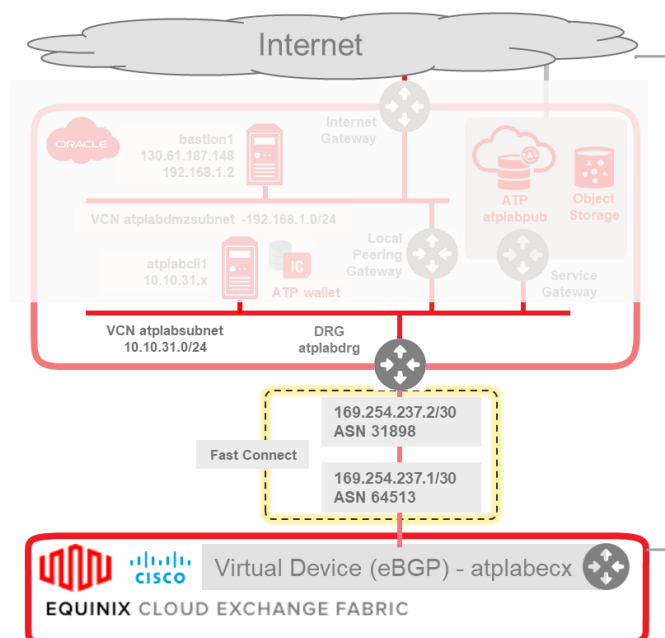
La conexión de FastConnect de OCI **no estará arriba** hasta que no se haya configurado desde el lado de Equinix en el virtual Router.



Configuración desde Equinix para conectar Oracle Cloud

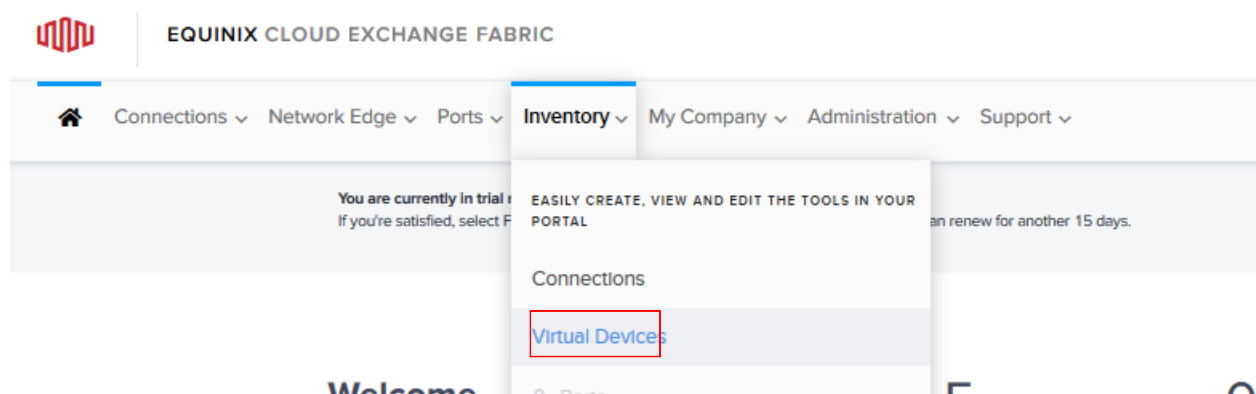
¿Qué voy a hacer?

Va a crear la conexión entre Equinix ECX y OCI fast connect que creó en el apartado anterior.



Vuelva a la consola de Equinix para comprobar que el Router que se ha creado al principio de este laboratorio ha sido **provisionado** correctamente.

En la consola Principal de Equinix debe seleccionar *Network Edge* y **View Virtual Device** en el menú.



A continuación, seleccione su virtual router creado previamente **[atpblabecxdos]**

The screenshot shows the 'Inventory' page in the Oracle Cloud console, specifically the 'Virtual Devices' section. The page has a dark header with the 'Inventory' title and a 'Set Port Bandwidth' button. Below the header is a navigation bar with tabs for 'Connections', 'Ports', 'Virtual Devices' (selected), 'Routing Instances', 'Connectors', 'Subscriptions', and 'IP Blocks'. The 'Virtual Devices' section includes a 'Create Virtual Device' button and a 'Filter by:' section with input fields for 'Enter a virtual device name', 'Location', and 'Virtual Device Status', along with a 'Hide Draft Devices' checkbox. Below the filters are logos for Cisco, Juniper Networks, Palo Alto Networks, and Fortinet. A table lists the virtual devices, with the first two rows highlighted by a red box. The first row is for 'Atplabecxdos' and the second for 'Atplabecx'. Both are Cisco CSR 1000V routers located in Frankfurt.

Device Status	Device Type	Virtual Device Name	License Status	Vendor	Model	Location
↑	⊗	Atplabecxdos	Registered	Cisco	CSR 1000V	Frankfurt
↑	⊗	Atplabecx	Registered	Cisco	CSR 1000V	Frankfurt

Seleccione el botón **Crear conexión** y, en la sección de conexiones frecuentes, seleccione la conexión de Oracle Cloud.

Your Virtual Device

The screenshot shows the 'Your Virtual Device' section. It displays a card for the 'Atplabecxdos' virtual device, which is a Cisco CSR 1000V Router located in Frankfurt. The card includes a status icon (a green up arrow) and a 'Learn More' link.

[Learn More](#)

[Connect to a Network Service](#)

[Create Connection](#)

Seleccione la **conexión de Oracle Cloud**

The screenshot shows the 'Create Connection' page. It displays four network service cards: Oracle Cloud, Salesforce, Unitas Global, and Verizon. The Oracle Cloud card is highlighted with a red box and has a 'Selected' button. The other cards have 'Select' buttons. Each card shows the number of locations and services available for that provider.

Provider	Locations	Services	Action
Oracle Cloud	14	4	Selected
Salesforce	8	1	Select
Unitas Global	18	2	Select
Verizon	18	1	Select



Seleccione el tipo de conexión asociado a **Oracle Cloud Infrastructure -OCI- FastConnect**, la primera.

ORACLE

Show: ☒ Services available to me ☐ All services

Oracle Cloud Infrastructure -OCI- FastConnect

Description

Layer 2

Regions

AMER | APAC | EMEA

Available Locations

Available from remote locations ✓

Silicon Valley | Osaka | Tokyo | Sydney | Frankfurt | Amsterdam | Zurich | Los Angeles | London | Melbourne | Sao Paulo | Toronto | Ashburn

Create Connection

Oracle Cloud Infrastructure Classic FastConnect

Description

Oracle FastConnect greatly simplifies and streamlines how you access your Oracle Public Cloud services by establishing dedicated connectivity from your corporate networks or datacenters into Oracle Public Cloud.

Regions

EMEA | AMER

Available Locations

Available from remote locations ✓

Amsterdam | Ashburn | Chicago | London

Create Connection

A continuación, seleccione la región de Frankfurt tanto en el origen como en el destino, seleccione también el dispositivo virtual que ha creado:

Select Locations

Preview

Atplabecxds Frankfurt — Speed — Latency (RTT) < 1 ms — Oracle Cloud Frankfurt

Origin

Locations with ports or Virtual Devices

Connect Using

Port Service Token **Virtual Device**

EMEA 1

Select Location

Frankfurt 2 Virtual Devices

Virtual Devices in Frankfurt:

Atplabecxds Frankfurt Cisco | CSR1000V_TRIAL | ROUTER

Destination

Oracle Public Cloud Group (SE3 Cage 60210) locations you can connect with

AMER 5 **EMEA 2** APAC 4

Suggested:

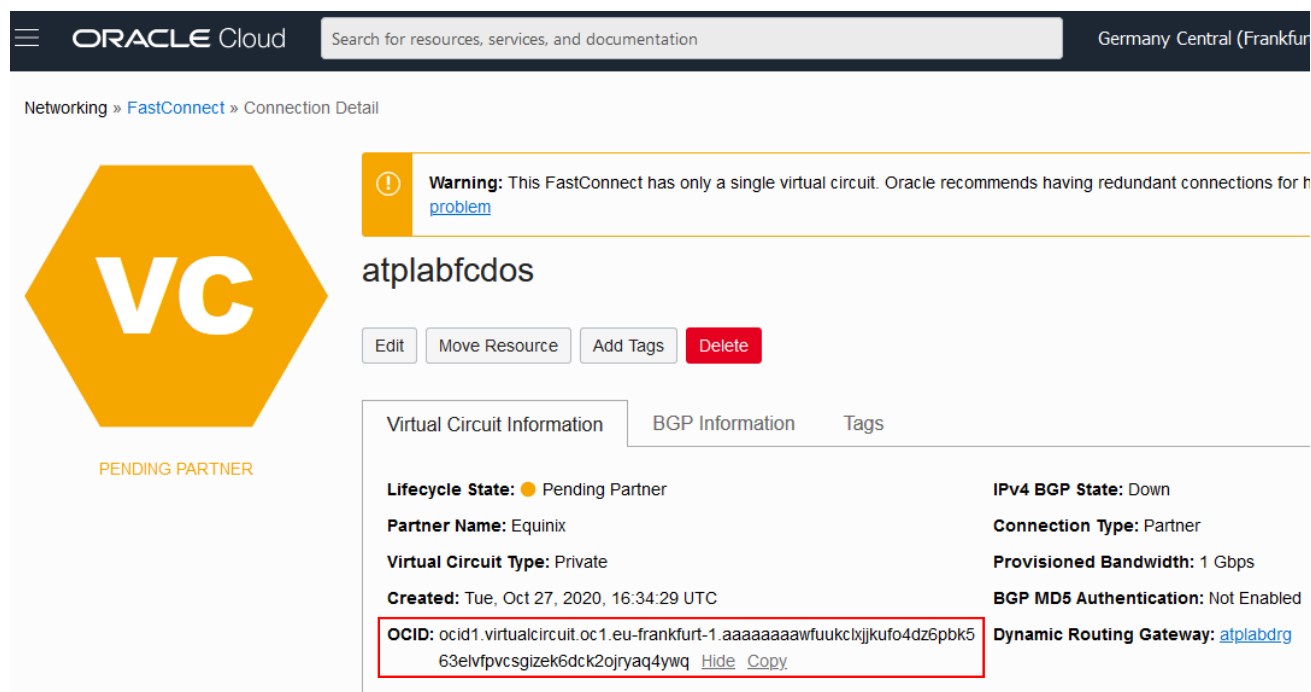
Frankfurt eu-frankfurt-1 Latency (RTT) < 1 ms

Remote:

Amsterdam eu-amsterdam-1 Latency (RTT) 8 ms	Zurich eu-zurich-1 Latency (RTT) 6 ms	London uk-london-1 Latency (RTT) 14 ms
---	---------------------------------------	--



Pulse en el botón **Next** e introduzca el **OCID del FastConnect de Oracle Cloud Infrastructure**, lo puede obtener desde la pantalla principal de **virtual cloud networks dentro de FastConnect** en la consola de OCI.



Networking » FastConnect » Connection Detail

Warning: This FastConnect has only a single virtual circuit. Oracle recommends having redundant connections for h
[problem](#)

atplabfcdos

Edit Move Resource Add Tags Delete

Virtual Circuit Information BGP Information Tags

Lifecycle State: Pending Partner
Partner Name: Equinix
Virtual Circuit Type: Private
Created: Tue, Oct 27, 2020, 16:34:29 UTC

IPv4 BGP State: Down
Connection Type: Partner
Provisioned Bandwidth: 1 Gbps
BGP MD5 Authentication: Not Enabled
Dynamic Routing Gateway: [atplabdrq](#)

OCID: `ocid1.virtualcircuit.oc1.eu-frankfurt-1.aaaaaaaawfuukclxjjkufo4dz6pbk563elvfpvcgizek6dck2ojryaq4ywq` [Hide](#) [Copy](#)

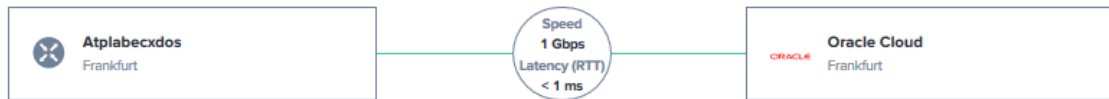
A continuación, en la pantalla de Equinix, en el paso a paso para crear una conexión con OCI, introduzca lo siguiente:

Fast Connect Virtual Circuit	Atplab-toOCI2
Virtual Circuit OCID	OCID of your FastConnect



Connection Details

Preview



Connection Information

FastConnect Virtual Circuit

Atplab-toOCI2

Virtual Circuit OCID

ilcircuit.oc1.eu-frankfurt-1.aaaaaaaawfuukchjlkuf04dz6pbk563elvfpvcsgizek6dck2ojryaq

Interface Selection

This interface will be reserved for all incoming Connections to this device. It will not be available to create Connections to any other service provider.

- ☒ Automatically select the next available interface on my device(s)
☐ I will select the interface on my device

Purchase Order Number

The purchase order number will be included in the order confirmation email

e.g. PO1544555

No hace falta introducir **Purchase Order**. Pase a la siguiente pantalla pulsando el botón **Next**, seleccione el ancho de banda contratado, continúe

Connection Speed

Billing Tier
Up to 1 Gbps

1 Gbps

Speed Selected

Monthly Charge
150.00 EUR

Pricing Overview

Local Connection: 150.00 EUR
Remote Surcharge: 0.00 EUR

Total: 150.00 EUR

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

Download Design Summary

Previous

Next

Finalmente repase todos los datos introducidos, introduzca un correo para recibir notificaciones y confirme.



Purchase Order Number	-
Virtual Circuit OCID	ocid1.virtualcircuit.oc1.eu-frankfurt-1.aaaa aaaawfuukclxjkufo4dz6pbk563elvpvcgi zek6dck2ojryaq4ywwq
Average last month latency	< 1 ms
Billed to	

Notifications 1 Recipient(s)
Enter email address(es) that will receive notifications about this connection:

Puede ver en la consola principal su nueva conexión.

Vuelva a seleccionar Network Edge, View Virtual Device y seleccione su virtual device. A continuación, seleccione Connections para ver la conexión con OCI y poder configurarla desde el lado de Equinix.

Connections

Show: ☒ Outgoing Connections ☐ Incoming Connections ☐ Remote Connections Only ☐ Service Token Connections Only

Viewing 6 of 6 Reset Filters

Atplab-toOCI2

atplab-toAZU2 Redundant

atplab-toAZU1 Redundant

atplab-toGCP

atplab-toAWS

Atplab-toOCI

Si **selecciona la conexión al cloud de Oracle**, puede ver los detalles, y puede ver que la conexión esta provisionada.



Atplab-toOCI2

Frankfurt Atplabexdos Origin

Oracle Cloud Infrastructure -OCI- FastConnect (eu-frankfurt-1) Destination

Atplabexdos Virtual Device

Oracle Cloud Infrastructure -OCI- FastConnect
Oracle Public Cloud Group (SE3 Cage 60210) | eu-frankfurt-1

[Refresh Connection Status](#)

Primary Connection Overview	
Name	Atplab-toOCI2
Unique ID	4dde1211-e4a9-40ab-9a51-5c0ec5e86691
Virtual Device Name	Atplabexdos
Virtual Device UUID	35eebf93-115c-4e41-b958-217f2a62c80c
Status	Provisioned
Provider Status	Provisioning
Seller-Side Port Name	ORACLE-DEUTSCHLAND-BV-FR4-ECX-PRI-01
Seller-Side VLAN ID	533

Bandwidth Details	
Connection Speed	1 Gbps
Billing Tier	Up to 1 G

Ahora quedaría hacer efectiva la conexión punto a punto entre Oracle Cloud Infrastructure y Equinix.

Para ello hay que proporcionar los siguientes detalles dentro de Equinix, que se pueden obtener desde el Cloud de Oracle.

Los campos están disponibles al final del formulario de la consola de Equinix, seguramente tendrá que hacer un *scroll-down* de la pantalla hasta que aparezca dicho formulario.

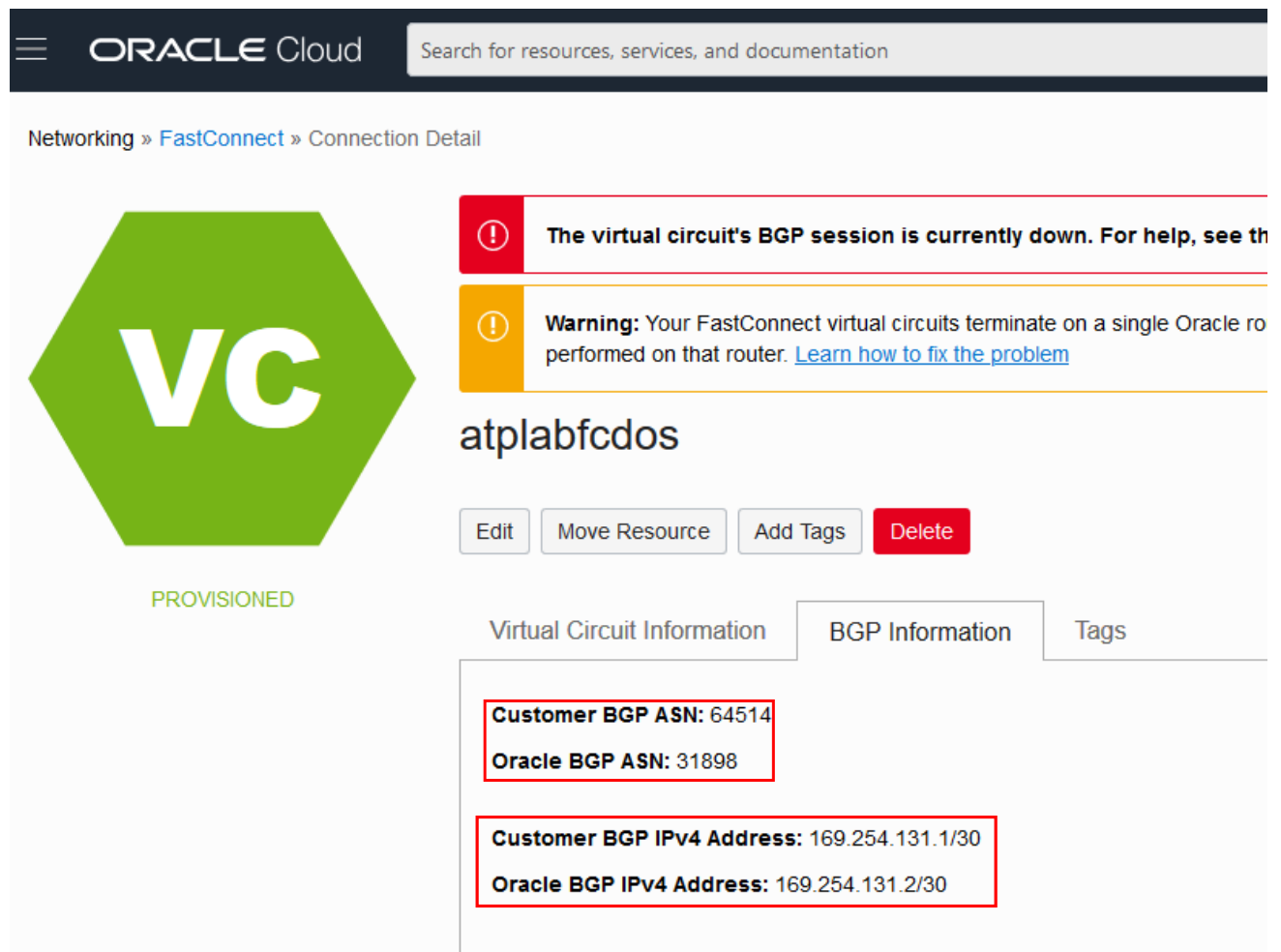
Primary BGP Information [Learn More](#)

Local ASN	Enter Local ASN
Local IP Address	Enter the local IP address
Remote ASN ?	Enter Remote ASN
Remote IP address	Enter Remote IP Address
BGP Authentication Key	Enter the BGP Authentication Key

[Accept](#)



Sitúese **dentro del FastConnect** que hemos creado dentro **de Oracle Cloud Infrastructure**, y vaya a la pestaña **BGP Information**. Ahí puede ver los parámetros requeridos desde Equinix.



The screenshot shows the Oracle Cloud console interface. At the top, there's a navigation bar with the Oracle Cloud logo and a search bar. Below the navigation bar, the breadcrumb trail reads "Networking » FastConnect » Connection Detail". The main content area features a large green hexagon with the letters "VC" inside, labeled "PROVISIONED". To the right of the hexagon, there are two warning messages: "The virtual circuit's BGP session is currently down. For help, see th" and "Warning: Your FastConnect virtual circuits terminate on a single Oracle ro performed on that router. [Learn how to fix the problem](#)". Below these warnings, the name of the virtual circuit is "atplabfcdos". There are four buttons: "Edit", "Move Resource", "Add Tags", and "Delete". Below the buttons, there are three tabs: "Virtual Circuit Information", "BGP Information", and "Tags". The "BGP Information" tab is selected, showing the following details:

- Customer BGP ASN: 64514
- Oracle BGP ASN: 31898
- Customer BGP IPv4 Address: 169.254.131.1/30
- Oracle BGP IPv4 Address: 169.254.131.2/30

Introduzca estos datos en la conexión de Oracle dentro de Equinix. Hay que tener en cuenta que la introducir *Remote IP address* solo hay que poner la IP sin la máscara de red.

Primary BGP Information [Learn More](#)

Local ASN	64514	✓
Local IP Address	169.254.131.1/30	✓
Remote ASN ?	31898	✓
Remote IP address	169.254.131.2	✓
BGP Authentication Key	Enter the BGP Authentication Key	

Accept



Una vez introducidos los datos, compruebe si la conexión se realiza desde el lado de Oracle, inicialmente estará en estado del ciclo de vida “provisioning” y BGP state “Down”

atplabfc

Edit Move Resource Add Tags Delete

Virtual Circuit Information BGP Information Tags

Lifecycle State: ● Provisioning

Provider Name: Equinix

Virtual Circuit Type: Private

Created: Tue, Mar 31, 2020, 15:35:59 UTC

OCID: ...a2xqoa Show Copy

BGP State: ✖ Down

Connection Type: Provider

Provisioned Bandwidth: 1 Gbps

BGP MD5 Authentication: Not Enabled

Dynamic Routing Gateway: [atplabdr](#)

Desde el lado de Equinix, el estado de aprovisionamiento aparecerá como “PROVISIONING”, espere unos minutos.

ⓘ Your local ASN will be your device ASN. The ASN cannot be edited.

Primary BGP Information Edit

Local ASN	64513
Local IP Address	169.254.237.1/30
Remote ASN ⓘ	31898
Remote IP address	169.254.237.2
BGP Authentication Key	-
Provisioning Status	PROVISIONING

Espera a que el estado cambie a “PROVISIONED”.

Primary BGP Information Learn More Edit

Local ASN	64514
Local IP Address	169.254.131.1/30
Remote ASN ⓘ	31898
Remote IP address	169.254.131.2
BGP Authentication Key	-
Provisioning Status	PROVISIONED
BGP State	Established

Ahora puede ir al cloud de Oracle y ver que el estado del ciclo de vida es **provisioned** también.





PROVISIONED



The virtual circuit's BGP session is currently down. For help, see the [troubleshooting topic](#).



Warning: Your FastConnect virtual circuits terminate on a single Oracle router. Your connection to Oracle is at risk if performed on that router. [Learn how to fix the problem](#)

atplabfcdos

Edit

Move Resource

Add Tags

Delete

Virtual Circuit Information

BGP Information

Tags

Lifecycle State: ● Provisioned

Partner Name: Equinix

Virtual Circuit Type: Private

Created: Tue, Oct 27, 2020, 16:34:29 UTC

OCID: ...aq4ywq [Show](#) [Copy](#)

IPv4 BGP State: Down

Connection Type: Partner

Provisioned Bandwidth: 1 Gbps

BGP MD5 Authentication: Not Enabled

Dynamic Routing Gateway: [atplabdrq](#)

Espere hasta que el Estado de BGP sea “UP”



PROVISIONED



Warning: Your FastConnect virtual circuits terminate on a single Oracle router. Your connection to Oracle is at risk if performed on that router. [Learn how to fix the problem](#)

atplabfcdos

Edit

Move Resource

Add Tags

Delete

Virtual Circuit Information

BGP Information

Tags

Lifecycle State: ● Provisioned

Partner Name: Equinix

Virtual Circuit Type: Private

Created: Tue, Oct 27, 2020, 16:34:29 UTC

OCID: ...aq4ywq [Show](#) [Copy](#)

Pv4 BGP State: Up

Connection Type: Partner

Provisioned Bandwidth: 1 Gbps

BGP MD5 Authentication: Not Enabled


Dynamic Routing Gateway: [atplabdrq](#)

Una vez esto ocurra, podrá ver en Equinix también los estados de provisionamiento y BGP como “PROVISIONED” y “Established”



Primary BGP Information [Learn More](#)

[Edit](#)

Local ASN	64514
Local IP Address	169.254.131.1/30
Remote ASN 	31898
Remote IP address	169.254.131.2
BGP Authentication Key	-
Provisioning Status	Provisioned
BGP State	Established



Resumen del Lab.

1. Ha configurado el dispositivo **Cisco en Equinix** para poder configurar la conexión con OCI.
2. Ha configurado rutas de acceso en el **DRG de OCI**
3. Ha creado y configurado una conexión **Fast Connect en OCI**
4. Ha creado la conexión desde **OCI a Equinix**

