

HOL 2b – Azure ExpressRoute



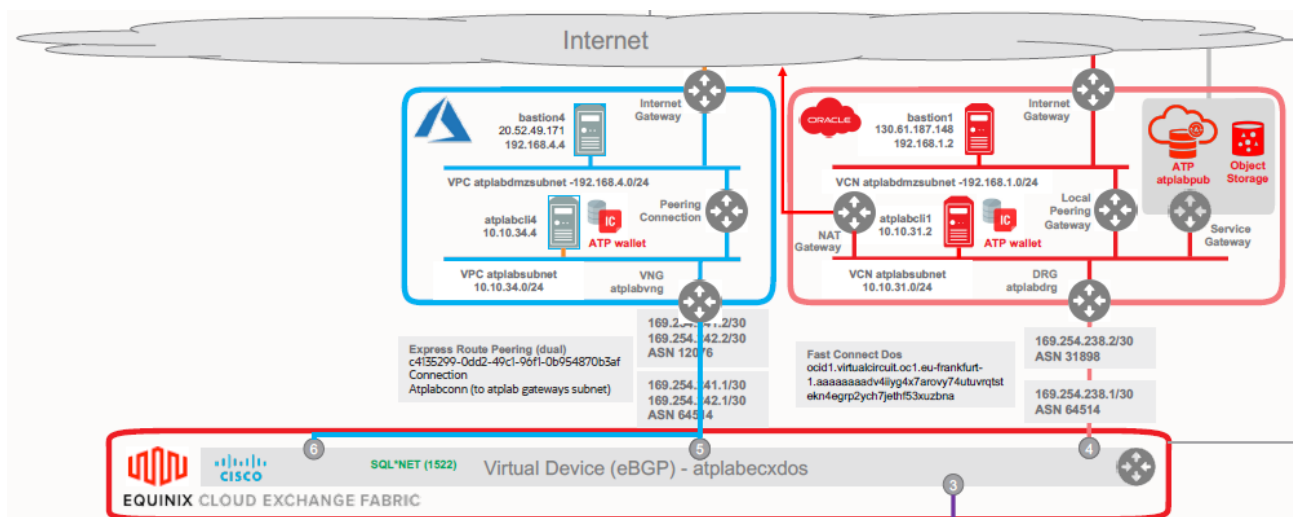
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Objetivo del Laboratorio

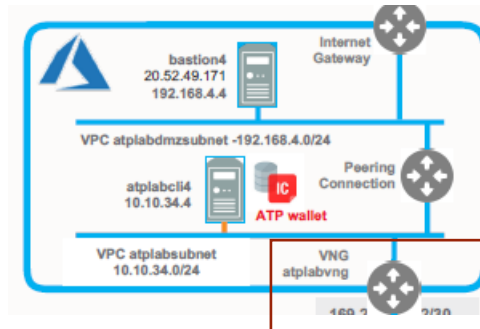
El objetivo del laboratorio es configurar los elementos necesarios para establecer la conectividad entre las nubes de Azure y Oracle Cloud Infrastructure (OCI):



Configuración de la interconexión desde el lado de Azure

¿Qué voy a hacer?

Vamos a crear el recurso *Virtual Network Gateway* que permitirá conectar la subnet privada atplabnet ya existente con el DC de Equinix



Datos de conexión para este apartado:

Consola: <https://portal.azure.com>

Email: <Your Azure Account Email>

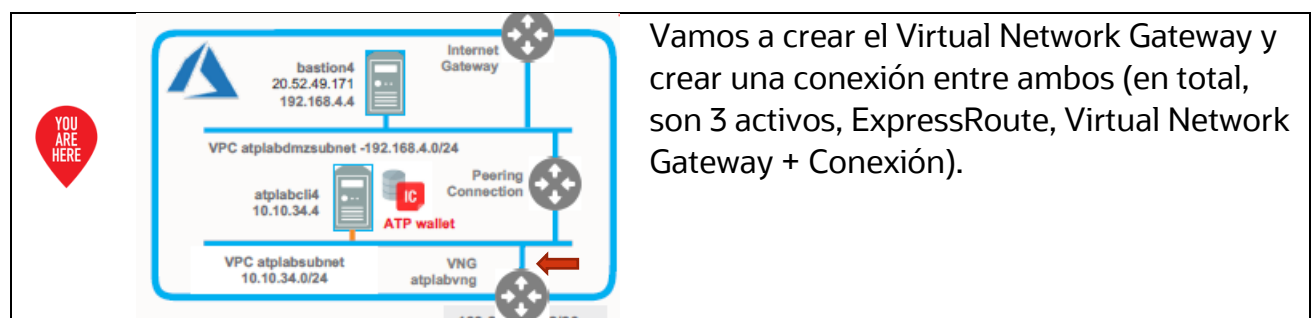
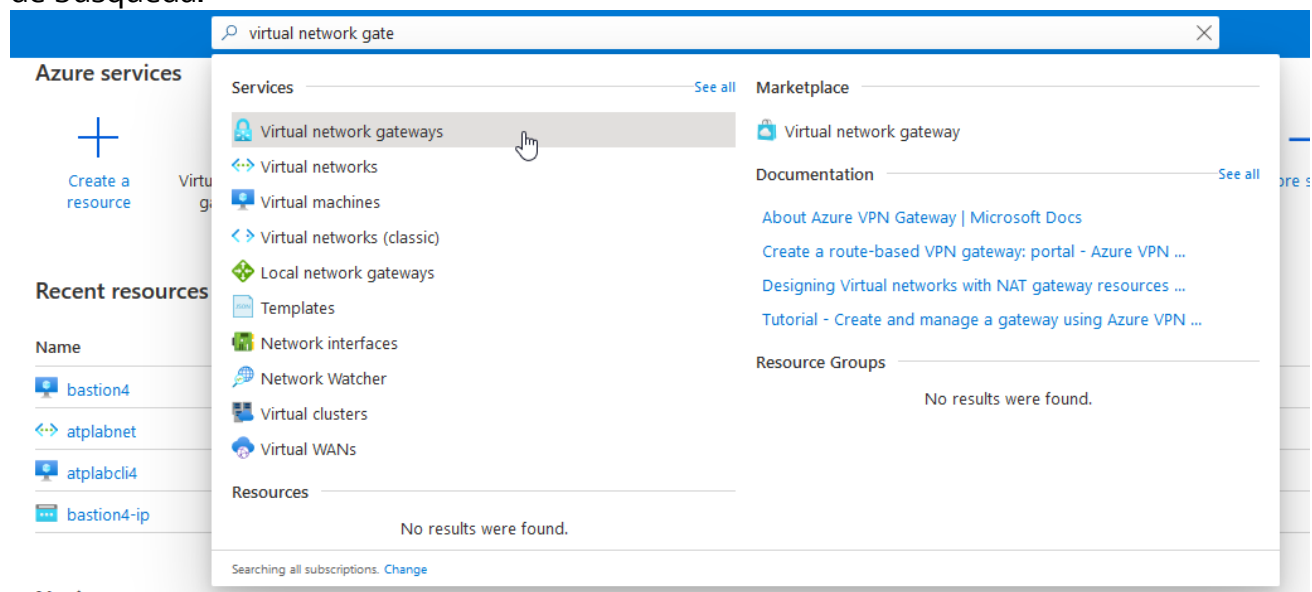
Password: <Your Azure password>

Nota: Todas las credenciales a las consolas serán proporcionadas individualmente por los instructores al comienzo del curso.

En primer lugar, abrimos la consola de cloud de Azure (<https://portal.azure.com>) e introducimos el email proporcionado, le damos a next e introducimos nuestra contraseña:

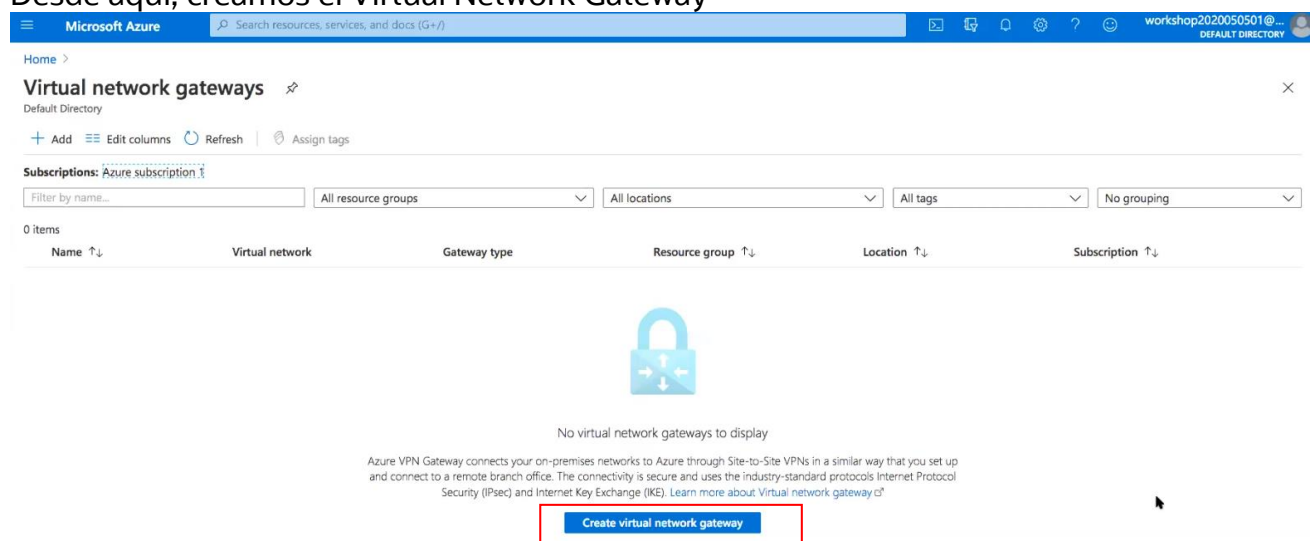


Vamos a crear la Virtual Network Gateway (VNG) en Azure. Desde el buscador de la barra superior, empezamos a teclear “Virtual Network Gateway” y hacemos click en el resultado de búsqueda.



Vamos a crear el Virtual Network Gateway y crear una conexión entre ambos (en total, son 3 activos, ExpressRoute, Virtual Network Gateway + Conexión).

Desde aquí, creamos el Virtual Network Gateway



Introducimos los siguientes valores

Name	atplabvng
------	-----------



Region	Germany West Central
Gateway type	ExpressRoute
SKU	Standard
Virtual network	Atplabnet
Public IP address	Create New
Public IP address name	atplabvngip

Microsoft Azure

Search resources, services, and docs (G+/I)

[Home](#) > [Virtual network gateways](#) >

Create virtual network gateway

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription *

Free Trial

Resource group ⓘ

atplab (derived from virtual network's resource group)

Instance details

Name *

atplabvng ✓

Region *

Germany West Central

Gateway type * ⓘ

☐ VPN
☒ ExpressRoute

SKU * ⓘ

Standard

Virtual network * ⓘ

atplabnet

Create virtual network

Subnet ⓘ

GatewaySubnet (10.10.34.64/28)

ⓘ Only virtual networks in the currently selected subscription and region are listed.

Public IP address

Public IP address * ⓘ

☒ Create new
☐ Use existing

Public IP address name *

atplabvngip ✓

Public IP address SKU

Basic

Assignment

☒ Dynamic
☐ Static

Azure recommends using a validated VPN device with your virtual network gateway. To view a list of validated devices and instructions for configuration, refer to Azure's [documentation](#) regarding validated VPN devices.

Review + create

Previous

Next : Tags >

Download a template for automation

No añadimos ningún tag y pasamos directamente a la revisión y creación del VNG



Home > Virtual network gateways >

Create virtual network gateway

✓ Validation passed

Basics Tags **Review + create**

Basics

Subscription	Free Trial
Resource group	atplab
Name	atplabvng
Region	Germany West Central
SKU	Standard
Virtual network	atplabnet
Subnet	GatewaySubnet (10.10.34.64/28)
Gateway type	ExpressRoute

Tags

None

Create

Previous

Next

[Download a template for automation](#)

Tras unos minutos la VNG estará aprovisionada

Home >

NoMarketplace-20200713180323 | Overview

Deployment

Search (Ctrl+/) <<

Delete Cancel Redeploy Refresh

Overview

Inputs

Outputs

Template

Your deployment is underway

Deployment name: NoMarketplace-20200713180323
Subscription: [Free Trial](#)
Resource group: [atplab](#)

Start time: 7/13/2020, 6:06:46 PM
Correlation ID: fe20a88d-cb07-48e7-8acd-4dd7b06fc395

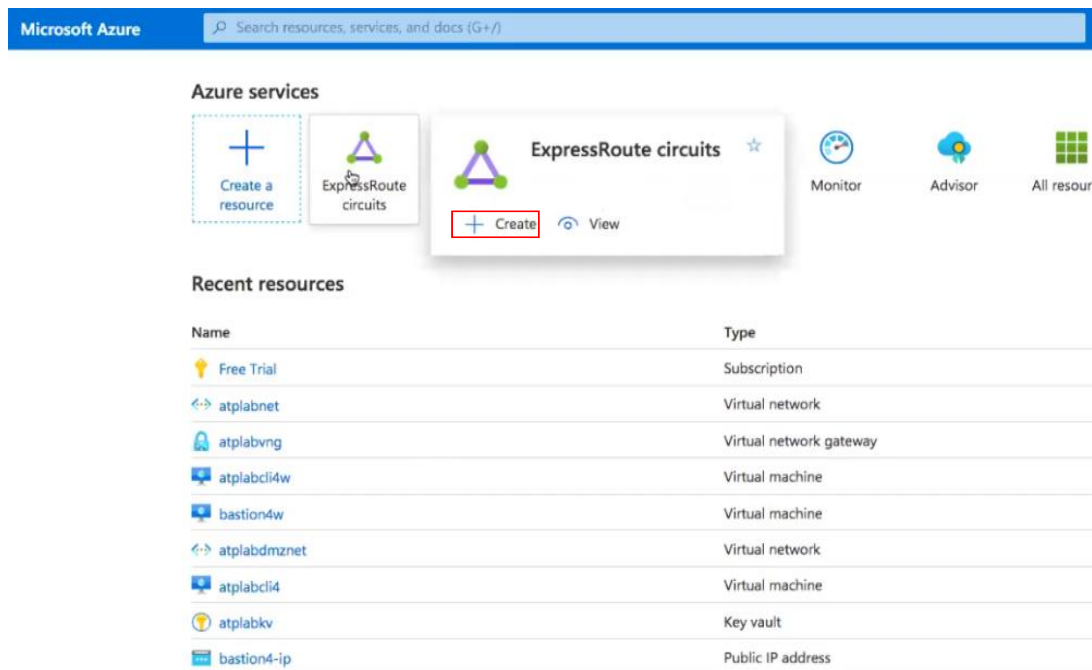
Deployment details [\(Download\)](#)

Resource	Type	Status	Operation details
No results.			



Ahora vamos a crear el Express Route.

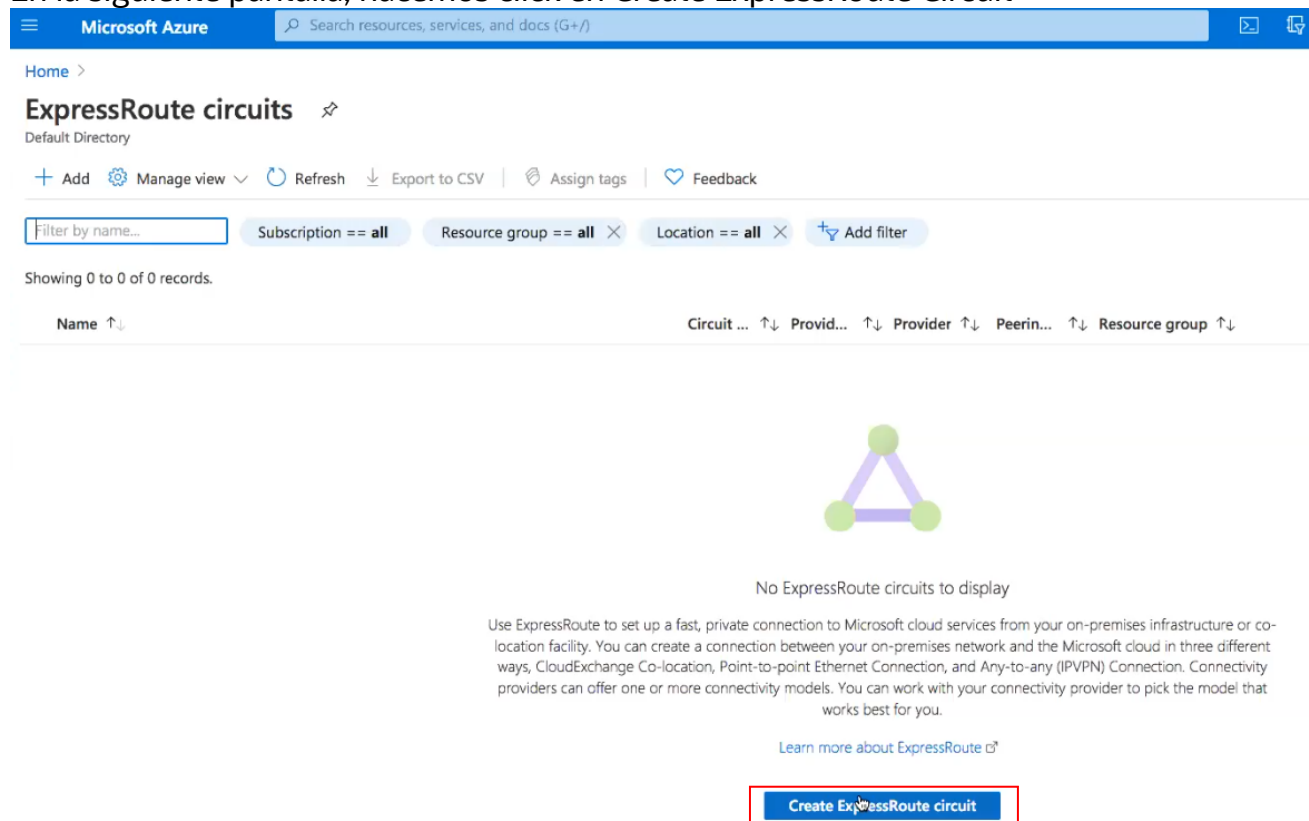
Pasamos el ratón por encima de ExpressRoute Circuits y hacemos click en Create:



The screenshot shows the Microsoft Azure portal interface. At the top, there's a search bar and a navigation menu. Below the navigation menu, there's a section for 'Azure services' with a grid of icons. The 'ExpressRoute circuits' icon is highlighted, and a dropdown menu is visible with a red box around the '+ Create' button. Below this, there's a 'Recent resources' table listing various resources like 'Free Trial', 'atplabnet', 'atplabvng', etc.

Name	Type
Free Trial	Subscription
atplabnet	Virtual network
atplabvng	Virtual network gateway
atplabcli4w	Virtual machine
bastion4w	Virtual machine
atplabdmznet	Virtual network
atplabcli4	Virtual machine
atplabkv	Key vault
bastion4-ip	Public IP address

En la siguiente pantalla, hacemos click en Create ExpressRoute Circuit



The screenshot shows the Microsoft Azure portal interface for the 'ExpressRoute circuits' page. The page title is 'ExpressRoute circuits' and it shows 'Default Directory'. There are filters for 'Subscription == all', 'Resource group == all', and 'Location == all'. Below the filters, it says 'Showing 0 to 0 of 0 records.' There's a table with columns: Name, Circuit, Provid..., Provider, Peerin..., and Resource group. The table is empty. Below the table, there's a message: 'No ExpressRoute circuits to display'. There's a description of ExpressRoute and a link to 'Learn more about ExpressRoute'. At the bottom, there's a button 'Create ExpressRoute circuit' which is highlighted with a red box.

Use ExpressRoute to set up a fast, private connection to Microsoft cloud services from your on-premises infrastructure or co-location facility. You can create a connection between your on-premises network and the Microsoft cloud in three different ways, CloudExchange Co-location, Point-to-point Ethernet Connection, and Any-to-any (IPVPN) Connection. Connectivity providers can offer one or more connectivity models. You can work with your connectivity provider to pick the model that works best for you.

[Learn more about ExpressRoute](#)

Create ExpressRoute circuit



En Basics,rellenamos la siguiente información y pulsamos Next: Configuration

Project Details	
Subscription	Free Trial / Azure subscription 1
Resource group	atplab
Instance Details	
Region	Germany West Central
Name	atplaber

[Home](#) > [ExpressRoute circuits](#) >

Create ExpressRoute

[Basics](#)
[Configuration](#)
[Tags](#)
[Review + create](#)

Use Azure ExpressRoute to create private connections between Azure datacenters and infrastructure on your premises or in a colocation environment. Establish connections to Azure at an ExpressRoute location, such as an Exchange provider facility, or directly connect to Azure from your existing WAN network, such as a multiprotocol label switching (MPLS) VPN, provided by a network service provider.
[Learn more about Express Route circuits](#)

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * ⓘ

Azure subscription 1

Resource group * ⓘ

atplab

[Create new](#)

Instance details

Region * ⓘ

Germany West Central

Name * ⓘ

atplaber

Review + create

< Previous

Next : Configuration >

En configuration, rellenamos la siguiente información

Port type	Provider
Create new or import from classic	Create new
Provider	Equinadaix
Peering Location	Frankfurt
Bandwidth	50Mbps
SKU	Standard
Billing Model	Metered
Allow Classic Operations	No



Microsoft Azure

Search resources, services, and docs (G+I)

Home > ExpressRoute circuits >

Create ExpressRoute

Basics Configuration Tags Review + create

ExpressRoute circuits can connect to Azure through a service provider or directly to Azure at a global peering location.
[Learn more about circuit types](#)

Port type *

Provider Direct

Create new or import from classic * ⓘ

Create new Import

Provider * ⓘ

Equinix

Peering location * ⓘ

Frankfurt

Bandwidth * ⓘ

50Mbps

SKU * ⓘ

Standard Premium

Billing model * ⓘ

Metered Unlimited

Allow classic operations ⓘ

Yes No

Review + create

< Previous

Next Tags >

Revisamos la configuración y creamos el ExpressRoute



Home > ExpressRoute circuits >

Create ExpressRoute

✓ Validation Passed

Basics Configuration Tags Review + create

TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

Basics

Subscription	Free Trial
Resource group	atplab
Region	Germany West Central
Name	atplaber

Configuration

Port type	Provider
Create new or import from classic	Create new
Provider	Equinix
Peering location	Frankfurt
Bandwidth	50Mbps
SKU	Standard
Billing model	Metered
Allow classic operations	No

Create

< Previous

Next

[Download a template for automation](#)

La interfaz nos indicará que el ExpressRoute se está aprovisionando.



Microsoft Azure Search resources, services, and docs (G+)

Home > **Microsoft.ExpressRoute-20200713180744** | Overview ✕

Deployment

Search (Ctrl+/) << Delete Cancel Redeploy Refresh

Overview

Inputs

Outputs

Template

We'd love your feedback! →

✓ **Your deployment is complete**

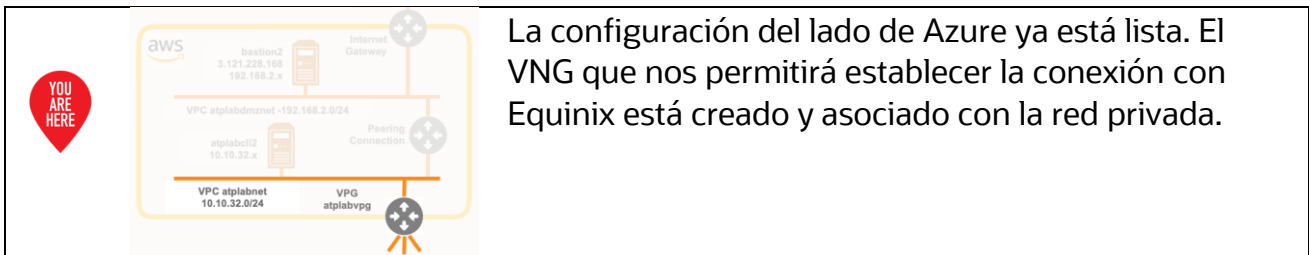
Deployment name: Microsoft.ExpressRoute-20200713180744
 Subscription: [Free Trial](#)
 Resource group: [atplab](#)

Start time: 7/13/2020, 6:10:15 PM
 Correlation ID: cd2457cc-ce58-4370-aff5-bd7a1a3e4c1c

Deployment details [\(Download\)](#)

Next steps

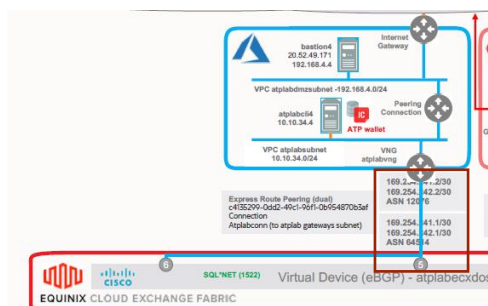
Go to resource



Configuración de la conexión desde Equinix

¿Qué voy a hacer?

Vamos establecer una conexión dentro del router *virtual* de Equinix hacia la nube de Azure, más concretamente, hacia el ExpressRoute creado en un apartado anterior



Datos de conexión para este apartado:

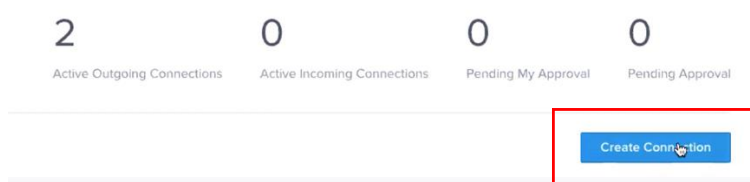
Consola: <https://ecxfabric.equinix.com>

User name: <Your Equinix username>

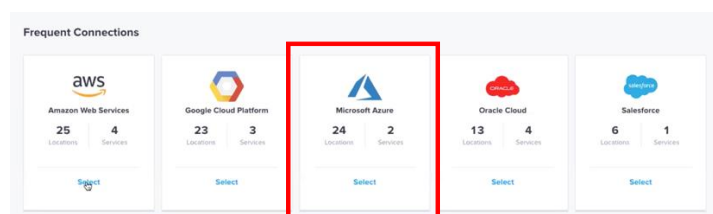
Password: <Your Equinix password>

Nota: Todas las credenciales a las consolas serán proporcionadas individualmente por los instructores al comienzo del curso.

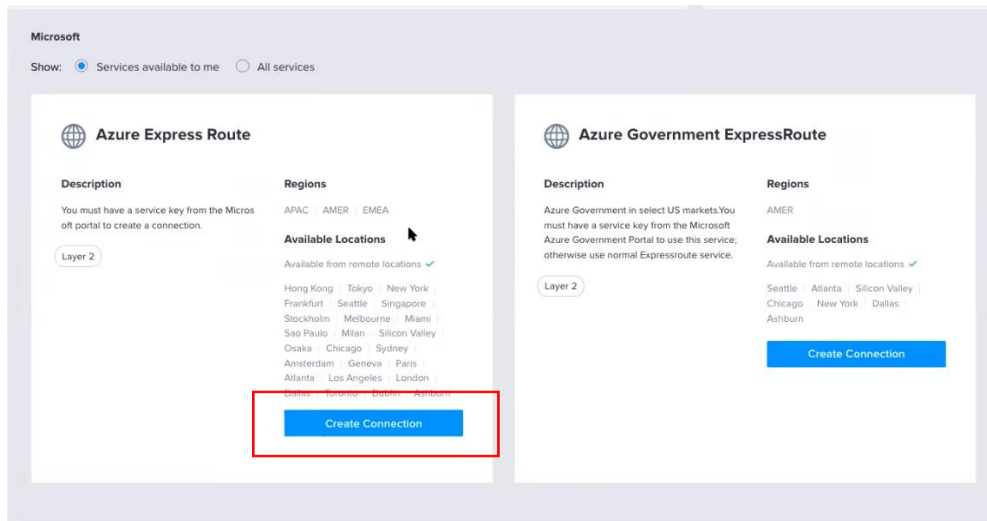
Una vez logados en la consola de Equinix, pulsamos el botón **Create Connection**:



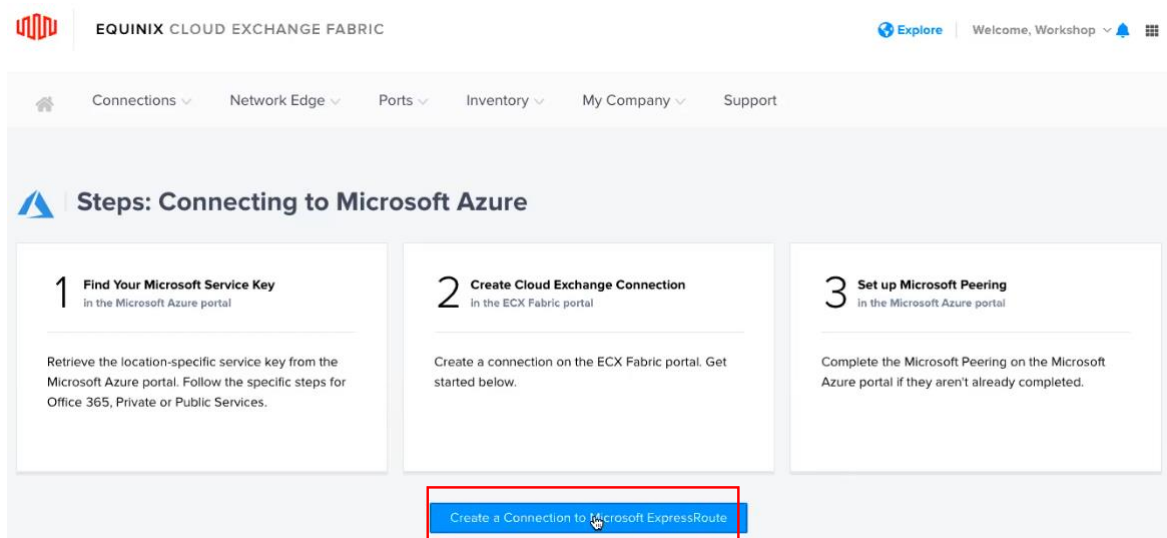
Aparecerán las conexiones mas frecuentes, seleccionamos la de **Microsoft Azure**:



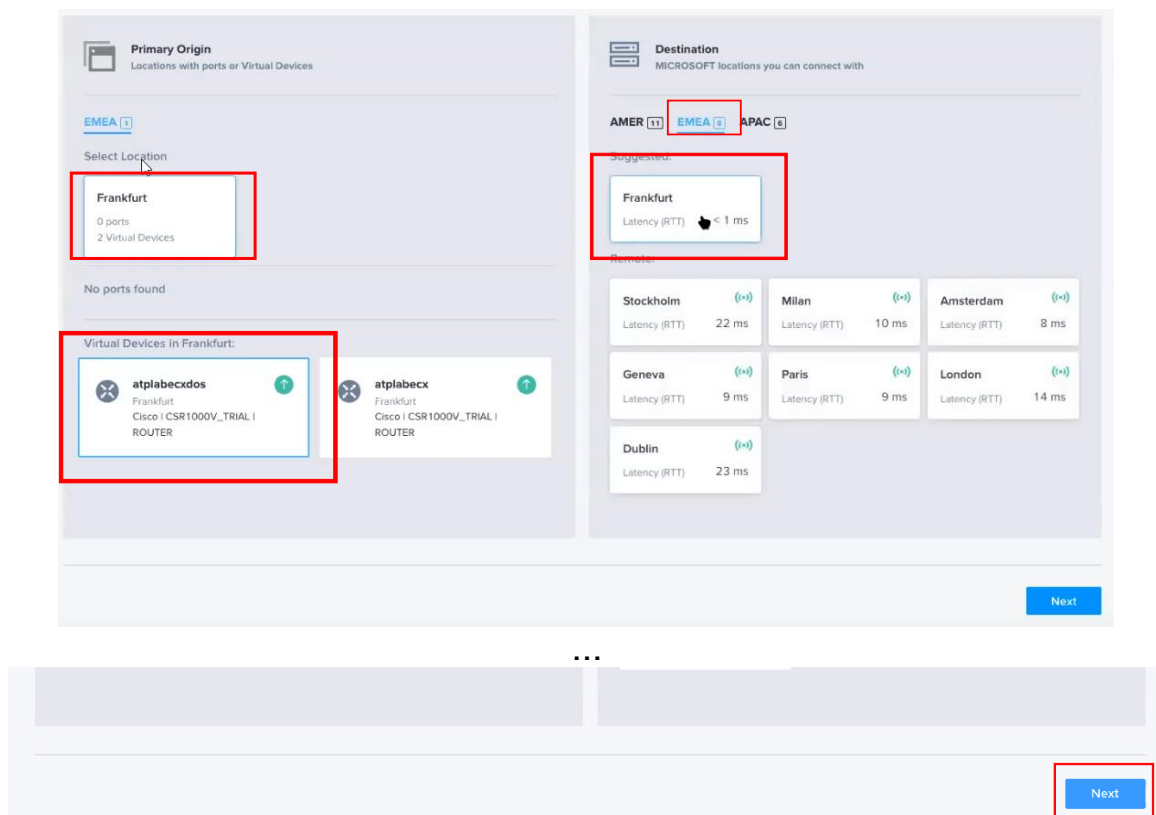
A continuación, seleccionamos la de Azure Express Route, que incluye la región de Frankfurt, y pulsamos Create Connection:



Una vez seleccionado el tipo de conexión, aparecerá un resumen sobre los pasos a seguir para crear la conexión con el cloud de Azure. Pulsamos Create a Connection to Microsoft ExpressRoute para continuar:



A continuación, seleccionamos Frankfurt como región de **origen** y **destino** y también el **dispositivo virtual** atplabecxdos creado en el laboratorio anterior y pulsamos Next para continuar:



Como se ha dicho anteriormente, ExpressRoute requiere una conexión redundante por lo que debemos nombrar ambas conexiones. En los detalles de conexión, introducir `atplab-toAZU1` para la conexión primaria y `atplab-toAZU2` para la secundaria

Primary Connection Information

Connection Name

atplab-toAZU1

Secondary Connection Information

Connection Name

atplab-toAZU2

Service Key

Application Details

Select Application:

☐ Microsoft ☐ Private

☐ ExpressRoute Peering VLAN ID

Purchase Order Number Optional

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

e.g. PO1544555

Ahora debemos volver a la interfaz de Azure para averiguar el Service Key a introducir. Localizamos el ExpressRoute creado previamente atplaber

Azure services



Recent resources

Name	Type	Last Viewed
atplaber	ExpressRoute circuit	a few seconds ago
Azure subscription 1	Subscription	25 minutes ago
atplabnet	Virtual network	30 minutes ago
atplabvng	Virtual network gateway	2 weeks ago
atplabcli4w	Virtual machine	2 weeks ago
bastion4w	Virtual machine	2 weeks ago

Encontraremos el Service Key en la pantalla de información del ExpressRoute

Microsoft Azure

Search resources, services, and docs (G+)

Home > ExpressRoute circuits >

ExpressRoute circuit

Default Directory

+ Add Manage view

Filter by name...

Name ↑

atplaber

atplaber

ExpressRoute circuit

Search (Cmd+J)

Delete Refresh

Initiate the provisioning process with your service provider.

Resource group (change)

atplab

Circuit status

Enabled

Location

Germany West Central

Subscription (change)

Azure subscription 1

Subscription ID

7a38916c-320e-488c-9810-6a017331d093

Tags (change)

project : atplab

Provider

Equinix

Provider status

Not provisioned

Peering location

Frankfurt

Bandwidth

50 Mbps

Service key

c1eacd75-c31e-483f-90ca-d653a9a230f3



Volvemos a Equinix para introducir este valor, y seleccionamos Private bajo Application Details

Primary Connection Information

Connection Name
atplab-toAZU1

Service Key
c1eacd75-c31e-483f-90ca-d653a9a230f3

Secondary Connection Information

Connection Name
atplab-toAZU2

Application Details

Select Application:
☐ Microsoft
☒ Private
☐ ExpressRoute Peering VLAN ID

Purchase Order Number Optional
The purchase order number will be included in the order confirmation email
e.g. PO1544555

Seleccionamos la opción de velocidad de conexión de 50 MBPS y pulsamos Next:

Connection Speed

Billing Tier
Up to 50 Mbps

Speed Selected
50Mbps

Monthly Charge
55.00EUR

Previous Next

Una vez hecho todo esto y revisados los datos, introducimos un mail para recibir notificaciones (puede ser cualquier email, incluso uno inválido) y pulsamos Submit your Order:

Notifications 1 Recipient(s)

Enter email address(es) that will receive notifications about this connection:

john.doe@mail.com

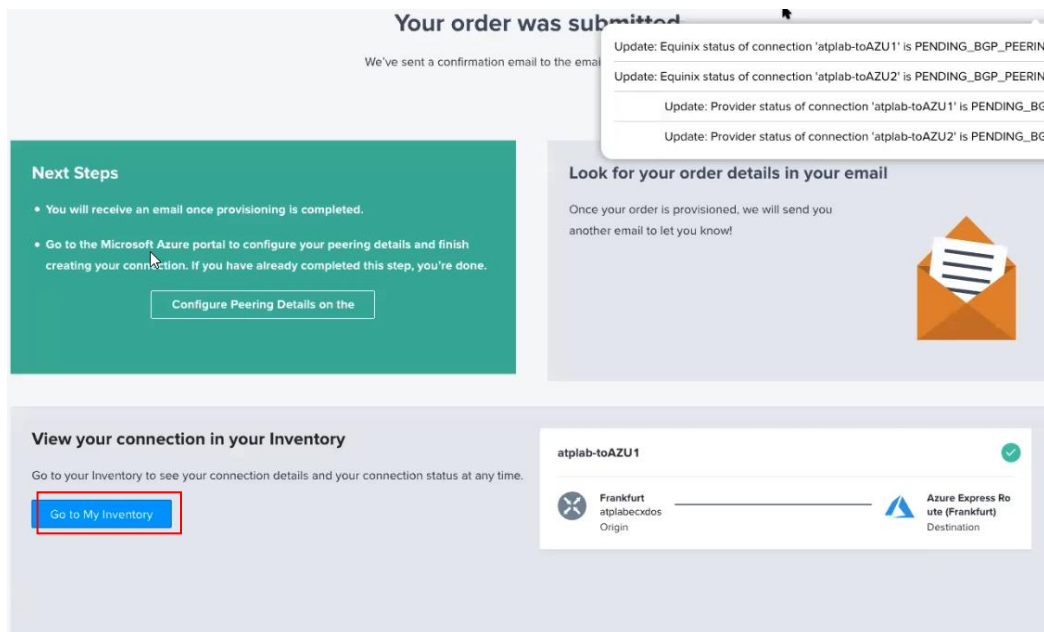
Add another email

Design Summary

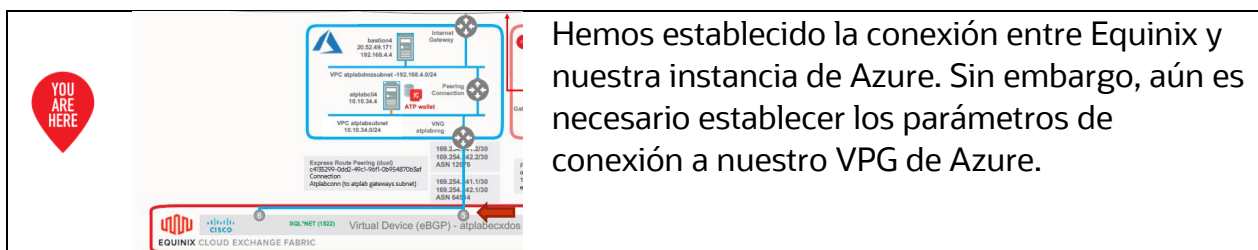
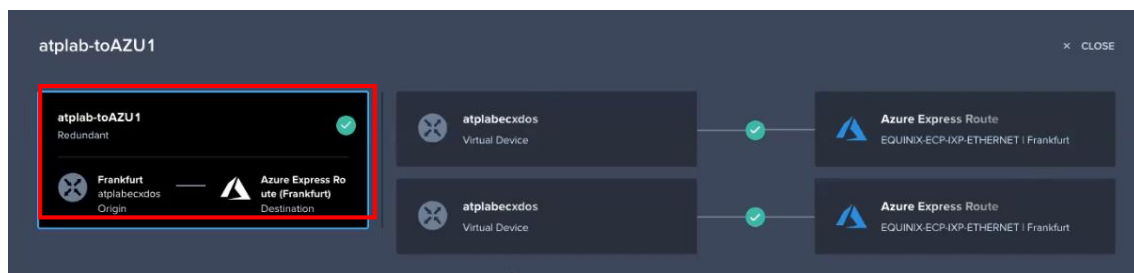
Submit your Order



Una vez se haya procesado la orden (inmediato) pulsamos en el botón Go to My Inventory:



En la siguiente pantalla, podemos ver la nueva conexión ExpressRoute de Azure hacia Frankfurt:



Volvemos a la consola de Azure (<https://portal.azure.com>). Volvemos a abrir la página de detalle del ExpressRoute atplaber y hacemos click en Private Peering (espere unos minutos si no le deja introducir nada).



Microsoft Azure

Search resources, services, and docs (G+)

workshop2020050501@...
DEFAULT DIRECTORY

Home > ExpressRoute circuits > atplab

ExpressRoute circuit

Default Directory

+ Add Manage view

Filter by name...

Name ↑

atplab

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Configuration

Connections

Authorizations

Peerings

Properties

Locks

Export template

Monitoring

Metrics

Logs

Delete Refresh

Initiate the provisioning process with your service provider.

Resource group (change)
atplab

Circuit status
Enabled

Location
Germany West Central

Subscription (change)
Azure subscription 1

Subscription ID
7a38916c-320e-488c-9810-6a017331d093

Tags (change)
project : atplab

Provider
Equinix

Provider status
Not provisioned

Peering location
Frankfurt

Bandwidth
50 Mbps

Service key
c1eacd75-c31e-483f-90ca-d653a9a230f3

Peerings

Type	Status	Primary subnet	Secondary subnet	Last modified by
Azure private	Not provisioned	-	-	-
Azure public	Not provisioned	-	-	-
Microsoft	Not provisioned	-	-	-

Refresh has succeeded
Refresh has succeeded for ExpressRoute circuit 'atplab'.
6:01 PM

Rellenamos los siguientes datos

Peer ASN	64514
Primary Subnet	169.254.241.0/30
Secondary Subnet	169.254.242.0/30
VLAN ID	346

Microsoft Azure

Search resources, services, and docs (G+)

Home > ExpressRoute circuits > atplab

Private peering

atplab

Save Discard Delete

Peer ASN *

64514

Primary subnet *

169.254.241.0/30

Secondary subnet *

169.254.242.0/30

VLAN ID *

346

Shared key



Volvemos a Equinix, en la configuración de la conexión a Azure hacemos scroll hacia abajo del todo hasta encontrar la configuración BGP.

The screenshot displays the Equinix CMN interface for configuring connections to Azure. At the top, a diagram shows the connection path from 'atplab-toAZU1' (Redundant) through 'atplabecxdos' Virtual Devices to 'Azure Express Route' (EQUINIX-ECP-IXP-ETHERNET | Frankfurt). Below this, a 'Refresh Connection Status' button is visible.

The interface is divided into two main sections: 'Primary Connection Overview' and 'Secondary Connection Overview'.

Primary Connection Overview:

Name	atplab-toAZU1
Unique ID	9d3b0704-52b1-4a3c-ab57-5a6952efc74b
Virtual Device Name	atplabecxdos
Virtual Device UUID	c1999b44-05c8-4ec1-bccd-b1929b486cb6
Status	Provisioning
Provider Status	Not Available
Seller-Side Port Name	EQIX-FRA32-09XGMR-CIS-1-PRI-06012020

Secondary Connection Overview:

Name	atplab-toAZU2
Unique ID	43a43e98-1e8c-420b-a828-6782edb51b9
Virtual Device Name	atplabecxdos
Virtual Device UUID	c1999b44-05c8-4ec1-bccd-b1929b486cb6
Status	Provisioning
Provider Status	Not Available
Seller-Side Port Name	EQIX-FRA32-09XGMR-CIS-2-SEC-06012020

A blue banner message states: "Your local ASN will be your device ASN. The ASN cannot be edited."

Below the overview sections, there are two BGP configuration forms, both with a red warning: "This connection is not provisioned."

Primary BGP Information:

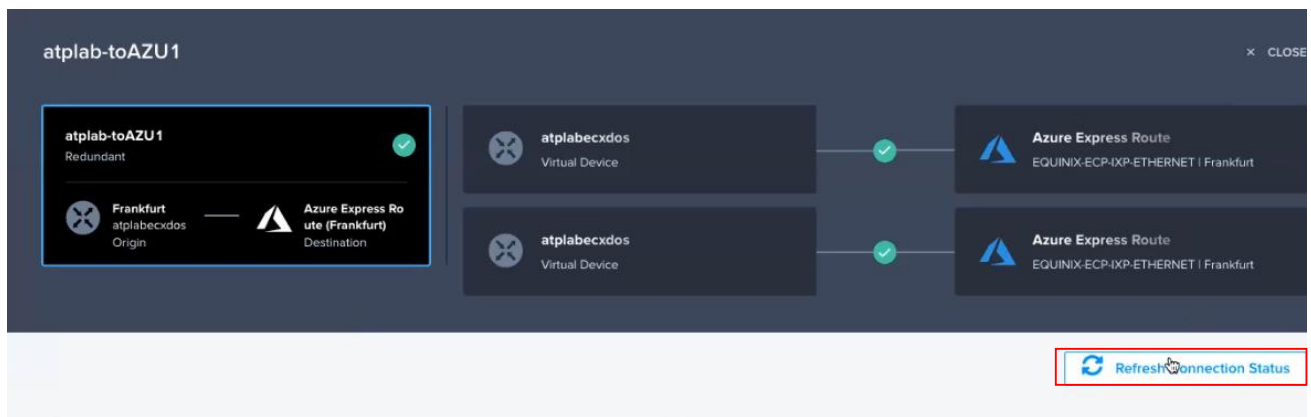
- Local ASN:
- Local IP Address:
- Remote ASN:
- Remote IP address:
- BGP Authentication Key:

Secondary BGP Information:

- Local ASN:
- Local IP Address:
- Remote ASN:
- Remote IP address:
- BGP Authentication Key:

Si no aparece un mensaje de This connection is not provisioned, volvemos arriba y pulsamos en refrescar hasta que nos desaparezca ese mensaje y nos aparezca un botón de aceptar bajo cada formulario.





Rellenamos los campos de BGP con la siguiente información

Primary BGP information		Secondary BGP Information	
Local ASN	64514	Local ASN	64514
Local IP Address	169.254.241.1/30	Local IP Address	169.254.242.1/30
Remote ASN	12076	Remote ASN	12076
Remote IP address	169.254.241.2	Remote IP address	169.254.242.2
BGP Auth key	Vacío	BGP Auth Key	vacío

Primary BGP Information [Learn More](#)

Local ASN: 64514 ✓
Local IP Address: 169.254.241.1/30 ✓
Remote ASN: 12076 ✓
Remote IP address: 169.254.241.2 ✓
BGP Authentication Key: Enter the BGP Authentication Key

Secondary BGP Information [Learn More](#)

Local ASN: 64514 ✓
Local IP Address: 169.254.242.1/30 ✓
Remote ASN: 12076 ✓
Remote IP address: 169.254.242.2 ✓
BGP Authentication Key: Enter the BGP Authentication Key ✓

Aceptamos cada configuración por separado y esperamos a que queden aprovisionadas:

Primary BGP Information [Learn More](#) [Edit](#)

Local ASN: 64514
Local IP Address: 169.254.241.1/30
Remote ASN: 12076
Remote IP address: 169.254.241.2
BGP Authentication Key: -
Provisioning Status: PROVISIONING

Secondary BGP Information [Learn More](#) [Edit](#)

Local ASN: 64514
Local IP Address: 169.254.242.1/30
Remote ASN: 12076
Remote IP address: 169.254.242.2
BGP Authentication Key: -
Provisioning Status: PROVISIONING



Primary BGP Information Learn More Edit	
Local ASN	64514
Local IP Address	169.254.241.1/30
Remote ASN i	12076
Remote IP address	169.254.241.2
BGP Authentication Key	-
Provisioning Status	PROVISIONED
BGP State	Established

Secondary BGP Information Learn More Edit	
Local ASN	64514
Local IP Address	169.254.242.1/30
Remote ASN i	12076
Remote IP address	169.254.242.2
BGP Authentication Key	-
Provisioning Status	PROVISIONED
BGP State	Established

Si volvemos a Azure, podemos comprobar que la conexión ahora está aprovisionada

Search (Ctrl+/) Delete Refresh

Resource group (change) : atplab

Circuit status : Enabled

Location : Germany West Central

Subscription (change) : Free Trial

Subscription ID : 873f663b-d710-4e22-919e-427b820e490c

Tags (change) : [Click here to add tags](#)

Provider : Equinix

Provider status : Provisioned

Peering location : Frankfurt

Bandwidth : 50 Mbps

Service key : ad34a177-f64a-4669-a885-be460109cf0a

Type	Status	Primary subnet	Secondary subnet	Last modified by
Azure private	Provisioned	169.254.241.0/30	169.254.242.0/30	Customer
Azure public	Not provisioned	-	-	-
Microsoft	Not provisioned	-	-	-

Volvemos al menú principal de Azure y hacemos click en Connections

Azure services

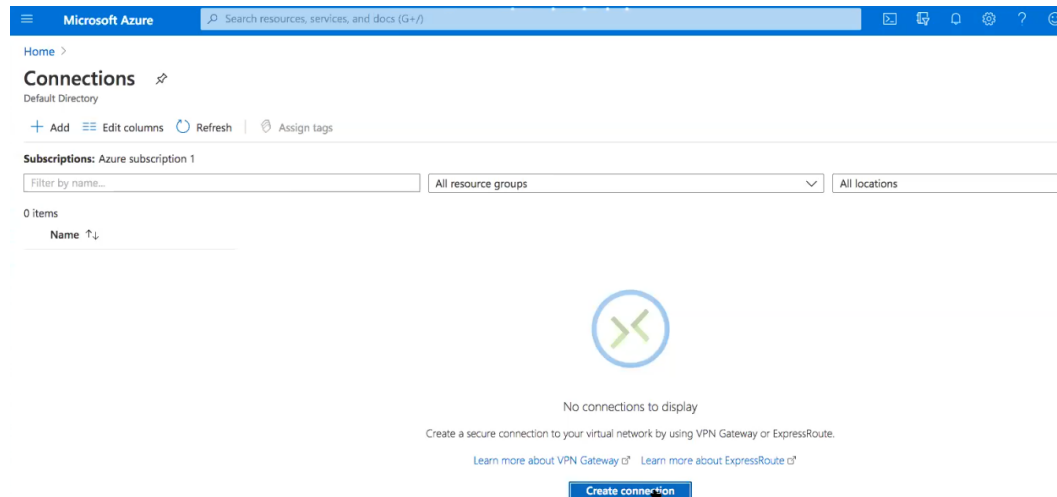
Create a resource Virtual network gateways Virtual machines **Connections** ExpressRoute circuits Service Health Help + support Cost Management Virtual networks More services

Recent resources

Name	Type	Last Viewed
atplabcli4	Virtual machine	17 minutes ago
atplabvng	Virtual network gateway	19 minutes ago
atplabner	ExpressRoute circuit	44 minutes ago
Azure subscription 1	Subscription	an hour ago
atplabnet	Virtual network	2 hours ago
atplabcli4w	Virtual machine	2 weeks ago
bastion4w	Virtual machine	2 weeks ago
atplabdmznet	Virtual network	2 weeks ago
atplabkv	Key vault	4 weeks ago
bastion4-ip	Public IP address	4 weeks ago



Creamos una nueva Connection



Microsoft Azure

Search resources, services, and docs (G+/I)

Home >

Connections

Default Directory

+ Add Edit columns Refresh Assign tags

Subscriptions: Azure subscription 1

Filter by name... All resource groups All locations

0 items

Name ↑↓

No connections to display

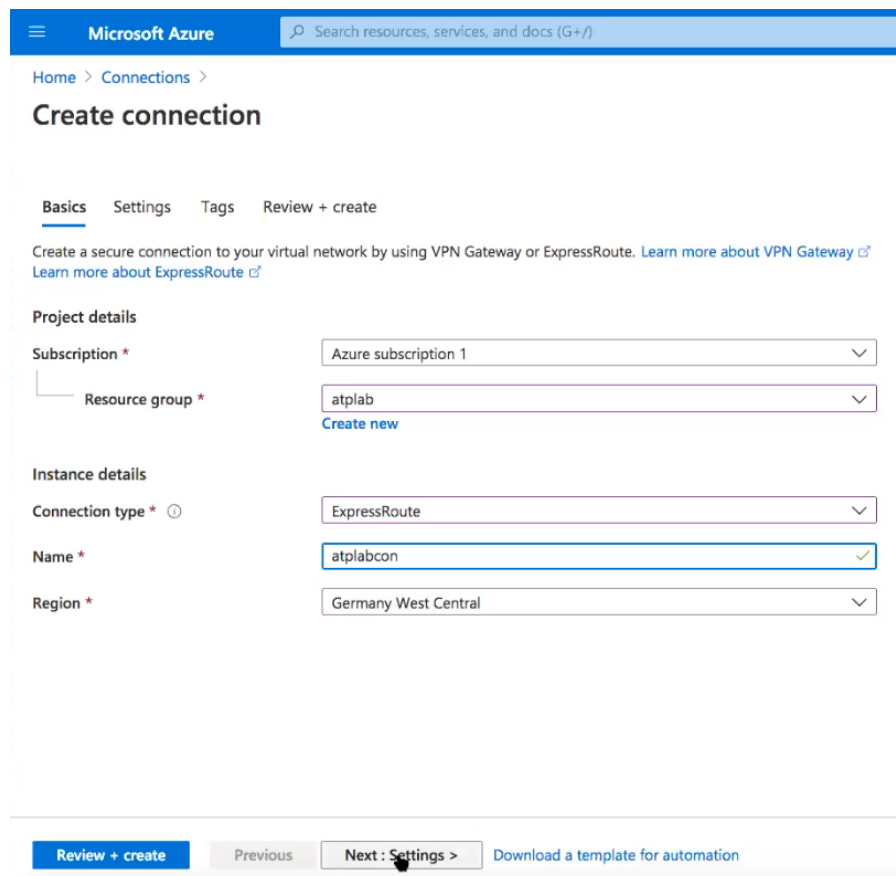
Create a secure connection to your virtual network by using VPN Gateway or ExpressRoute.

[Learn more about VPN Gateway](#) [Learn more about ExpressRoute](#)

Create connection

Introducimos los siguientes datos y hacemos click en Next:Settings

Project Details	
Subscription	Free Trial / Azure subscription 1
Resource group	Atplab
Instance details	
Connection type	ExpressRoute
Name	atplabcon
Region	Germany West Central



Microsoft Azure

Search resources, services, and docs (G+/I)

Home > Connections >

Create connection

Basics Settings Tags Review + create

Create a secure connection to your virtual network by using VPN Gateway or ExpressRoute. [Learn more about VPN Gateway](#) [Learn more about ExpressRoute](#)

Project details

Subscription * Azure subscription 1

Resource group * atplab [Create new](#)

Instance details

Connection type * ⓘ ExpressRoute

Name * atplabcon


Region * Germany West Central

Review + create Previous **Next: Settings >** Download a template for automation



Introducimos los siguientes valores

Virtual network Gateway	atplabvng
ExpressRoute circuit	atplaber
Redeem authorization	Sin marcar
Routing weight	0

 Microsoft Azure

Search resources, services, and docs (G+)

Home > Connections >

Create connection

Basics **Settings** Tags Review + create

Virtual network gateway

To use a virtual network with a connection, it must be associated to a virtual network gateway.

Virtual network gateway * ⓘ

atplabvng

ExpressRoute circuit * ⓘ

atplaber

Redeem authorization ⓘ

☐

Routing weight *

0

Review + create

Previous

Next : Tags >

Download a template for automation



No introducimos ninguna tag y pasamos directamente a la página de revisión y creación.

The screenshot shows the 'Create connection' page in the Microsoft Azure portal. The top navigation bar includes the Microsoft Azure logo and a search bar. The breadcrumb trail is 'Home > Connections >'. The main heading is 'Create connection'. A green banner indicates 'Validation passed'. The 'Review + create' tab is selected, showing a summary of the configuration. The 'Basics' section lists: Subscription (Azure subscription 1), Resource group (atplab), Region (Germany West Central), Connection type (ExpressRoute), and Connection name (atplabcon). The 'Settings' section lists: Virtual network gateway (atplabvng), Redeem ExpressRoute authorization (No), ExpressRoute circuit (atplaber), and Routing weight (0). The 'Tags' section shows 'None'. At the bottom, there is a 'Create' button, 'Previous' and 'Next' buttons, and a link to 'Download a template for automation'.

Subscription	Azure subscription 1
Resource group	atplab
Region	Germany West Central
Connection type	ExpressRoute
Connection name	atplabcon

Virtual network gateway	atplabvng
Redeem ExpressRoute authorization	No
ExpressRoute circuit	atplaber
Routing weight	0

Tags
None

[Create](#) [Previous](#) [Next](#) [Download a template for automation](#)

Le damos a Create y tras unos minutos se habrá creado la conexión entre nuestra VNG y nuestro ExpressRoute



Microsoft Azure Search resources, services, and docs (G+)

Home > NoMarketplace-20200713183700 | Overview

Deployment

Search (Ctrl+/) << Delete Cancel Redeploy Refresh

Overview

Inputs

Outputs

Template

Your deployment is underway

Deployment name: NoMarketplace-20200713183700
Subscription: [Free Trial](#)
Resource group: [atplab](#)

Start time: 7/13/2020, 6:38:00 PM
Correlation ID: eed84eec-1ebd-423e-91f6-bc2904e64432

Deployment details (Download)

Resource	Type	Status	Operation details
No results.			

Microsoft Azure Search resources, services, and docs (G+)

Home > NoMarketplace-20200713183700 | Overview

Deployment

Search (Ctrl+/) << Delete Cancel Redeploy Refresh

Overview

Inputs

Outputs

Template

Your deployment is complete

Deployment name: NoMarketplace-20200713183700
Subscription: [Free Trial](#)
Resource group: [atplab](#)

Start time: 7/13/2020, 6:38:00 PM
Correlation ID: eed84eec-1ebd-423e-91f6-bc2904e64432

Deployment details (Download)

Next steps

Go to resource

Verificamos que están llegando las rutas por BGP, volvemos al ExpressRoute atplab, hacemos click en el Peering: Azure private y *Get Route table*:

Microsoft Azure Search resources, services, and docs (G+)

Home > ExpressRoute circuits > atplab >

Private peering

atplab

Save Discard Delete

Peer ASN * 64514

Primary subnet * 169.254.241.0/30

Secondary subnet * 169.254.242.0/30

VLAN ID * 346

Shared key

[Get ARP records](#)

[Get route table](#)

[Get route table summary](#)



Deberemos ver algo similar a lo siguiente, con las subredes 10.10.31.0/24 y 10.10.34.0/24, tanto en el enlace primario con en el secundario:

Microsoft Azure


Search resources, services, and docs (G+/)

[Home](#) > [atplaber | Peerings](#) > [Private peering](#) >

Route table (Primary)

AzurePrivatePeering - atplaber

[Download](#) [Show secondary](#)

 Showing only top 200 primary records, click Download above to see all.

Network	↑↓	Next hop	↑↓	LocPrf	↑↓	Weight	↑.
10.10.31.0/24		169.254.241.1				0	
10.10.34.0/24		10.10.34.76				0	
10.10.34.0/24		10.10.34.77*				0	
130.61.0.128/25		169.254.241.1				0	
130.61.2.128/25		169.254.241.1				0	
130.61.4.128/25		169.254.241.1				0	
134.70.40.0/21		169.254.241.1				0	
134.70.48.0/22		169.254.241.1				0	
138.1.0.0/22		169.254.241.1				0	
138.1.40.0/21		169.254.241.1				0	
138.1.64.0/22		169.254.241.1				0	
138.1.108.0/25		169.254.241.1				0	
140.91.16.0/22		169.254.241.1				0	
140.91.20.0/23		169.254.241.1				0	
147.154.128.0/19		169.254.241.1				0	



Microsoft Azure

Search resources, services, and docs (G+/)

[Home](#) >
[ExpressRoute circuits](#) >
[atplaber](#) >
[Private peering](#) >

Route table (Primary)

AzurePrivatePeering - atplaber

Download

Show secondary

Showing only top 200 primary records, click Download above to see all.

Network	↑↓	Next hop	↑↓	LocPrf	↑↓	Weight	↑.
10.10.31.0/24		169.254.241.1				0	
130.61.0.128/25		169.254.241.1				0	
130.61.2.128/25		169.254.241.1				0	
130.61.4.128/25		169.254.241.1				0	
134.70.40.0/21		169.254.241.1				0	
134.70.48.0/22		169.254.241.1				0	
138.1.0.0/22		169.254.241.1				0	
138.1.40.0/21		169.254.241.1				0	
138.1.64.0/22		169.254.241.1				0	
138.1.108.0/25		169.254.241.1				0	
140.91.16.0/22		169.254.241.1				0	
140.91.20.0/23		169.254.241.1				0	
147.154.128.0/19		169.254.241.1				0	

Para ver la misma información del enlace secundario pulsando *Show secondary*:



Route table (Secondary)

AzurePrivatePeering - atplaber

Download Show primary

 Showing only top 200 secondary records, click Download above to see all.

Network	↑↓	Next hop	↑↓	LocPrf	↑↓	Weight	↑.
10.10.31.0/24		169.254.242.1				0	
10.10.34.0/24		10.10.34.76				0	
10.10.34.0/24		10.10.34.77*				0	
10.10.34.0/24		169.254.242.1				0	
130.61.0.128/25		169.254.242.1				0	
130.61.2.128/25		169.254.242.1				0	
130.61.4.128/25		169.254.242.1				0	
134.70.40.0/21		169.254.242.1				0	
134.70.48.0/22		169.254.242.1				0	
138.1.0.0/22		169.254.242.1				0	
138.1.40.0/21		169.254.242.1				0	
138.1.64.0/22		169.254.242.1				0	
138.1.108.0/25		169.254.242.1				0	
140.91.16.0/22		169.254.242.1				0	
140.91.20.0/23		169.254.242.1				0	

