CONNECT TO AMAZON AWS

consoleconnect
by PCCW Global

PURPOSE

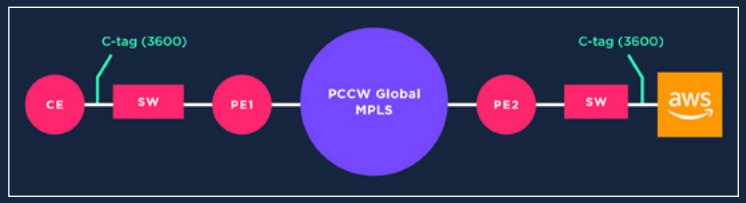
This document describes the prerequisites and procedure needed to create a L2 Connection to Amazon AWS through the Console Connect web portal.

WHO IS IT FOR

Network Admins, Network Engineers, System Admins, IT Managers.

INTRODUCTION

The following diagram shows the network architecture that we will create using Console Connect and Amazon AWS:



CE: customer edge device

SW: access layer switch on the Console Connect network. The CE has a physical port onto this device. Once Amazon AWS Direct Connect is created, one ctag will be presented on this port that defines the Direct Connect circuit

PE1: provider edge device. This is the entry point into the PCCW Global MPLS network

PE2: provider edge device. This is the entry point into the PCCW Global MPLS network

AWS Region: region in which the direct connect isterminated

THIS DOCUMENT WILL GUIDE YOU STEP-BY-STEP TO:

1. Provision L2 Connect on Console Connect https://app.consoleconnect.com

2. Accept the direct connect in the AWS Portal https://aws.amazon.com

3. Create a virtual interface https://aws.amazon.com

4. Configure BGP from your router to the AWS virtual interface

The main focus will be on steps 1 and 2. This document will also provide references to completing steps 3 and 4.

PREREQUISITES

An Amazon account. If you do not have one, apply here: https://aws.amazon.com

A Console Connect account. If you do not have one, apply here: https://app.consoleconnect.com

At least one active Console Connect port

PROCEDURE

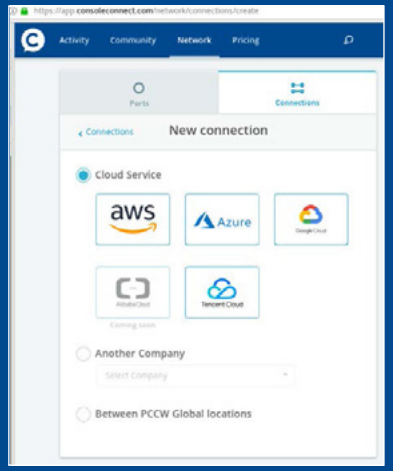
STEP 1

PROVISION DIRECT CONNECT ON CONSOLE CONNECT.
Log-on to https://app.consoleconnect.com/.

Go to the 'Connections' tab by clicking **'Network' -> 'Connections'**.

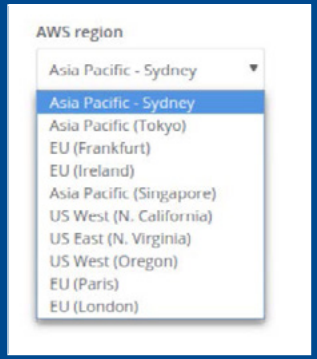
Click the large **'+'** sign to begin the connection creation flow.

Click on **'AWS'** from the **'Cloud Service'** group.



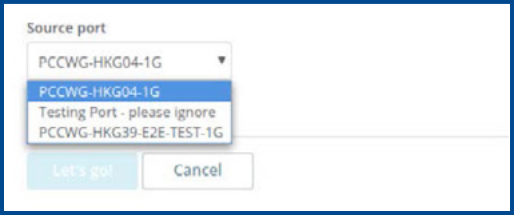
Enter the Amazon Account ID.

Select the desired AWS Region.

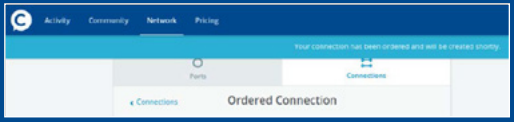


Select the desired **'Rate Limit'**.

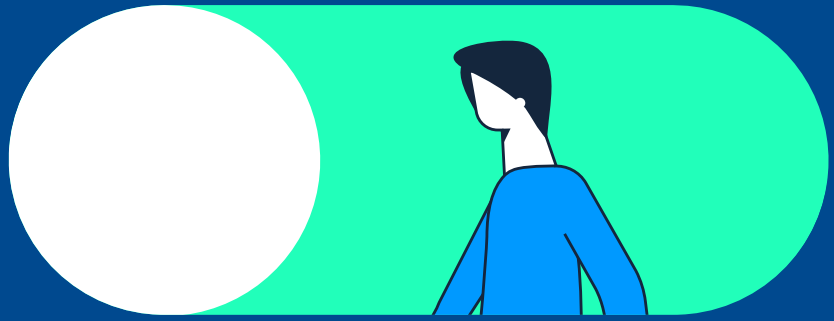
Select the desired **'Source port'** and click **'Let's go!'**.



Console Connect will start provisioning the Direct Connect circuit from the source port to the selected AWS region. This may take a few minutes. A message at the top of the page will indicate the connection has been ordered and will be created shortly.



Once the circuit is created, a message at the top of the page will reflect that the circuit has been created, and to utilise the AWS Direct Connect console in order to accept the connection.

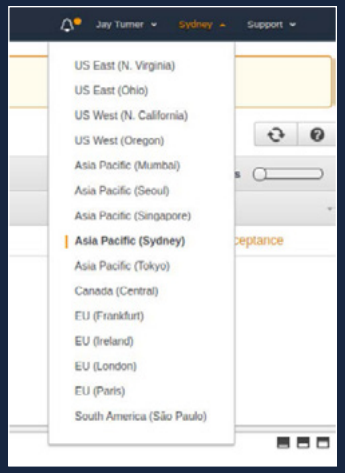


STEP 2

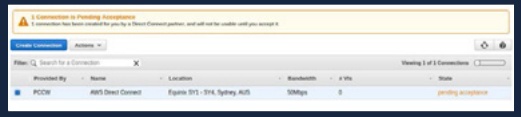
A. ACCEPT THE AMAZON AWS DIRECT CONNECT ON THE AWS MANAGEMENT CONSOLE.

Navigate to the https://console.aws.amazon.com/directconnect/.

Confirm the region selection in the top right of the portal.



Click on the checkbox for the Direct Connect to be accepted.

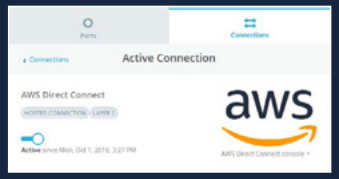


This will open a new information page at the bottom of the page showing various piece of information about the Direct Connect request, including the name, AWS Account used for provisioning, provider name (PCCW), port speed, and assigned VLAN.

Click the checkbox accepting the terms, then click 'Accept Connection' to complete the provisioning process.

B. VIEW ACTIVE DIRECT CONNECT ON CONSOLE CONNECT.

After a few minutes, the connection will update in Console Connect to 'Active' status.



At the completion of step 2, the Direct Connect is complete from the source port to the AWS region. To complete L3 configuration follow these steps.

STEP 3

Create a virtual interface associated with the Direct Connect circuit just provisioned on the AWS Management Console.

See https://docs.aws.amazon.com/directconnect/latest/UserGuide/WorkingWithVirtualInterfaces.html.

STEP 4

Configure BGP from your router to the Amazon AWS Direct Connect virtual interface created in step 3.

See https://docs.aws.amazon.com/directconnect/latest/UserGuide/add-peer-to-vif.html.

FAQ

How does Console Connect integrate with Amazon AWS Direct Connect?

Console Connect utilises Application Programming Interfaces (APIs) with Amazon AWS Direct Connect, in order to provision the L2 connection to Amazon AWS.

Does the bandwidth (rate limit) of the L2 Connections need to match the Amazon AWS Direct Connect tier?

No, they may differ. The Console Connect platform gives you the option to use the same bandwidth as the Amazon AWS Direct Connect or lower.

If I select a rate limit of 10Mbps to Amazon AWS Direct Connect, how is it provisioned?

If 10Mbps was input as the rate limit then Console Connect will provision a 10Mbps L2 circuit from the source port.

What charges can I expect?

In addition to the Console Connect charges for the L2 Connection, you will also be charged by Amazon for the AWS Direct Connect. Please refer to https://aws.amazon.com/directconnect/pricing/ for details.

REFERENCES

1. **Amazon AWS Direct Connect overview:** https://aws.amazon.com/directconnect/

2. **Amazon AWS Direct Connect provisioning states:** https://aws.amazon.com/premiumsupport/knowledge-center/provision-direct-connection/

3. **Create or modify peering for an Amazon AWS Direct Connect circuit:** https://docs.aws.amazon.com/directconnect/latest/UserGuide/add-peer-to-vif.html

4. **Link a virtual network to an Amazon AWS Direct Connect circuit:** https://docs.aws.amazon.com/directconnect/latest/UserGuide/WorkingWithVirtualInterfaces.html

5. **Troubleshooting:** https://docs.aws.amazon.com/directconnect/latest/UserGuide/Troubleshooting.html

consoleconnect
by PCCW Global

TAKE CONTROL | CUT COMPLEXITY | MAKE INTERCONNECTIONS EFFORTLESS

Console Connect is a Software-Defined Interconnection® platform that makes connecting to cloud-based, business-critical applications simple, predictable and secure. Backed by PCCW Global, one of the world's leading telecommunications groups with a tier 1 global IP network spanning 150 countries, Console Connect helps creating direct and private connections in just a few clicks. The intuitive platform includes all the tools needed to dial bandwidth up or down on-demand and view utilization and connection performance; no more lengthy contracts and long set up times.

Easy as a click! Try it for free HERE
Have other questions we didn't cover?
Join our community of experts HERE

www.consoleconnect.com
TALK TO US: sales@consoleconnect.com