



EQUINIX CLOUD EXCHANGE FABRIC

WHAT'S NEW 'DEEP DIVE'

RELEASE 6.4

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INTRODUCTION

Equinix Cloud Exchange Fabric (ECX Fabric or ECXF) enables enterprises to do more in the cloud by providing secure, direct, flexible network connections to a wide range of cloud service providers globally. Our interconnected approach allows you to boost cloud application performance, reduce latency, and improve scale, network control, and visibility to deliver a quality cloud experience to your end users.

Port Utilization in the Portal

Port Utilization has been reinstated within the portal. Portal users can now view traffic statistics for cloud exchange ports.

Traffic is measured in megabits per second (Mbps) and represents the amount of bandwidth being consumed between two points at a given time. Customers can view and analyze the utilization of inbound and outbound traffic of any port, across all services and profiles active on that port. This new display is available via the components tab from the main screen (selecting the Ports option). Expand the arrow representing the desired port to see the traffic. Traffic statistics are then automatically displayed in a graph.

Traffic statistics are collected in five-minute intervals and can be filtered by previous day, week, month, or year simply by clicking the gray box in the upper right corner of the display. Each time period (previous day, week, etc.) is taken from 12 a.m. (midnight GMT) of the initiation of the time period to 12 a.m. (midnight GMT) of the finalization of the time period.

For example, if the customer wants to view utilization data for the previous month, data will be captured from midnight on the 1st day of the month through midnight on the last day of the month.

Note: Graphs will be retroactive to the point when data collection began. In some cases, this date could vary but will become consistent over time.

The graph also shows the maximum (measured) and average utilization, in Mbps, for both inbound and outbound traffic, as well as the last value measure for the designated time period. Hovering over any particular point of the graph will show the applicable spot value at that point in time.



List View Phase II - Enhanced Connections Information

List View Phase II extends support delivered in the previous phase. For this release, we've added export capabilities for the Connections list view. This includes the ability to export all list view data to a .csv file, which allows customers to manipulate the data to meet their individual business needs.

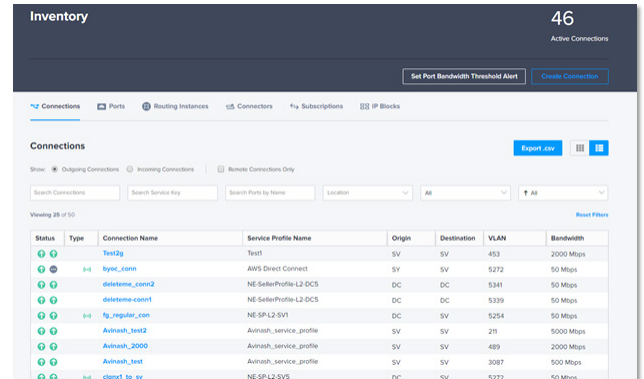
The following additional Connections list view fields have been added:

- Bandwidth tier/speed
- VLAN id(s)
- Virtual circuit name
- End Username. This field is for resellers who create connections on behalf of their customers. It will store the actual customer name for whom the connection was created.
- Data Center origin and destination (IBX preferable) vs Metro, if possible.
- Order number
- Pricing/Cost

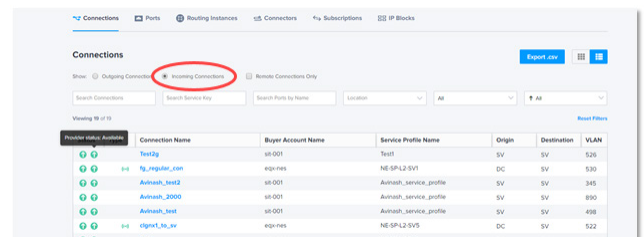
This view shows only active connections by default.

In addition, this update includes further shortening of some longer field names, making it possi-

ble for more to fit on the page (ex. "Customer-connectionname" becomes "Customer...name"). Finally, we've also added tooltips to explain several of the non-intuitive columns, and included the ability to display and sort against the name of the company ordering inbound VCs for sellers.



Status	Type	Connection Name	Service Profile Name	Origin	Destination	VLAN	Bandwidth
Test2g		Test2g	Test	SV	SV	453	2000 Mbps
fg_regular_com		fg_regular_com	AWS Direct Connect	SV	SV	5272	50 Mbps
deletecom2		deletecom2	NE-SellerProfile-L2-DC5	DC	DC	5341	50 Mbps
deletecom1		deletecom1	NE-SellerProfile-L2-DC5	DC	DC	5339	50 Mbps
fg_regular_com		fg_regular_com	NE-SP-L2-SV1	DC	SV	5254	50 Mbps
Avanah_test2		Avanah_test2	Avanah_service_profile	SV	SV	211	5000 Mbps
Avanah_2000		Avanah_2000	Avanah_service_profile	SV	SV	489	2000 Mbps
Avanah_test		Avanah_test	Avanah_service_profile	SV	SV	3087	500 Mbps
Avanah_test		Avanah_test	NE-SP-L2-SV5	DC	SV	5222	50 Mbps



Connection Name	Buyer Account Name	Service Profile Name	Origin	Destination	VLAN
Test2g	sl001	Test	SV	SV	526
fg_regular_com	eqp-res	NE-SP-L2-SV1	DC	SV	530
Avanah_test2	sl001	Avanah_service_profile	SV	SV	345
Avanah_2000	sl001	Avanah_service_profile	SV	SV	896
Avanah_test	sl001	Avanah_service_profile	SV	SV	408
Avanah_test	eqp-res	NE-SP-L2-SV5	DC	SV	522

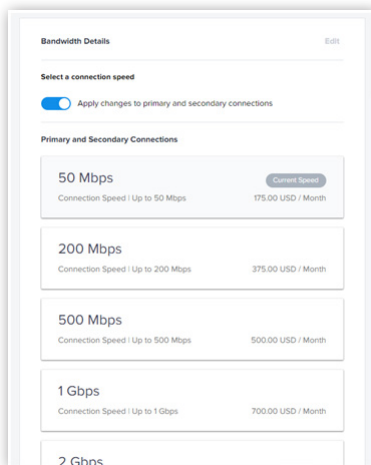
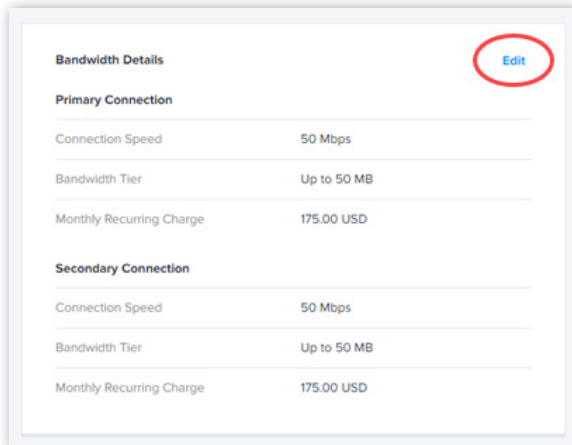
Full Bandwidth Resizing Capabilities for Private L2 Connections

This release also includes bandwidth resizing for private Layer 2 connections and/or non-integrated CSPs. This includes remote connections.

Use Case: A customer has a Layer 2 connection between two ports on ECX Fabric that they own. Those connections are not to another CSP. The customer initially ordered 50M but now want to increase to 1G. In this case, no approvals of the bandwidth upgrade would be required, but they would need to acknowledge a billing increase.

Use Case: A customer has a Layer 2 connection to a non-API integrated private service profile. The non-integrated service profile's owner needs to approve the bandwidth upgrade first, and the customer would need to acknowledge a billing increase.

Policy implemented with this release: Only one bandwidth change is permitted during a 24-hour period. For example, if you dial the bandwidth up at 3 p.m. on Tuesday, you cannot make another change to the bandwidth again until 3 p.m. on Wednesday.



2GB and 5GB Billing Tiers

Azure ExpressRoute, Google Cloud Interconnect, and IBM Direct Link natively support bandwidth speeds and billing for 2Gbps and 5Gbps. They also allow for speed changes via API between these tiers. With the introduction of 2GB and 5GB billing tiers, ECX Fabric will have parity by offering these tiers with unique pricing for local and remote VCs. Furthermore, having these additional billing tiers for “internal” VCs will drive further adoption of remote VCs, or VCs that may carry a substantially high price point at the 10Gbps level.

Discovery - Account, Profile Exposure, and Visibility Settings

Discovery helps customers find each other and increases the usefulness and density of the ECX platform. To enable customers to find each other, we need to have as much information as possible so users can properly identify their connection needs.

Visibility and exposure settings allow Equinix accounts to self-identify (or derive some information about themselves from internal systems) so they can be found, regardless of other automatic assumptions or rules that may be applied to them. Where possible, the company profile is derived from other systems and web properties to which Equinix already has access (e.g., Marketplace or SFDC), and only specified additional information will be used to augment the record. At present, customers can either have a public profile and be findable or they can be hidden. Future enhancements may offer additional levels of visibility.

Basic company profiles will include the following items (with specific user story/workflow described below):

- A basic set of information about the COMPANY based on GCID, not just the services offered on ECX
- A statement on how visible they want to be to others, or the rules they want set for how other accounts can see and interact with them including:
 - The company is fully discoverable and can be contacted whether an ECX service is defined or not.
 - The company can only be reached through connection requests to any existing and visible profile.
 - The company can only be reached via email to request some access; profiles are not visible unless that visibility granted by the customer.



- The company is not visible under any circumstances to other ECX users.

Note: There is an additional future master feature that would allow this type to generate a proactive permission to another account to connect to them, but it is not provided in the scope of this release.

- A way to point the company profile to existing data sets (e.g., in the marketplace)
- Editing capabilities to add useful information to the company profile, if desired
- A way to associate all public and private profiles to that company profile, so they can be chosen from when deciding how to interconnect
- A way to mark individual service profiles as more restrictive than overall account settings (for example, the company can be reached by any visible profile, but marks a specific profile as only for internal use or by invite only)

Customers, many of whom do not interact directly or regularly with marketplace, will have an additional and user-friendly/familiar place to adjust their profile to maximize search results. This feature ties two key web properties and their functionality together, creating a more seamless user experience and improving access.

The information customers provide via this feature will help Equinix build a deeper and larger ecosystem.

In the current environment, without discovery, customers typically have no alternative other than ad hoc and “chance” encounters outside of ECX. Customers can also use other Equinix tools like marketplace or matchmaker, but these often cater to use cases or transactions not related to the ECX core principles. Furthermore, it is not always obvious that ECX is a viable alternative even when they do find some results.

For more details, refer to the updated SLA [here](#).