Equinix Product Readiness

FUNCTIONAL LEARNING DEMO

Getting Started with Edge Precision Time

Prerequisites and Planning

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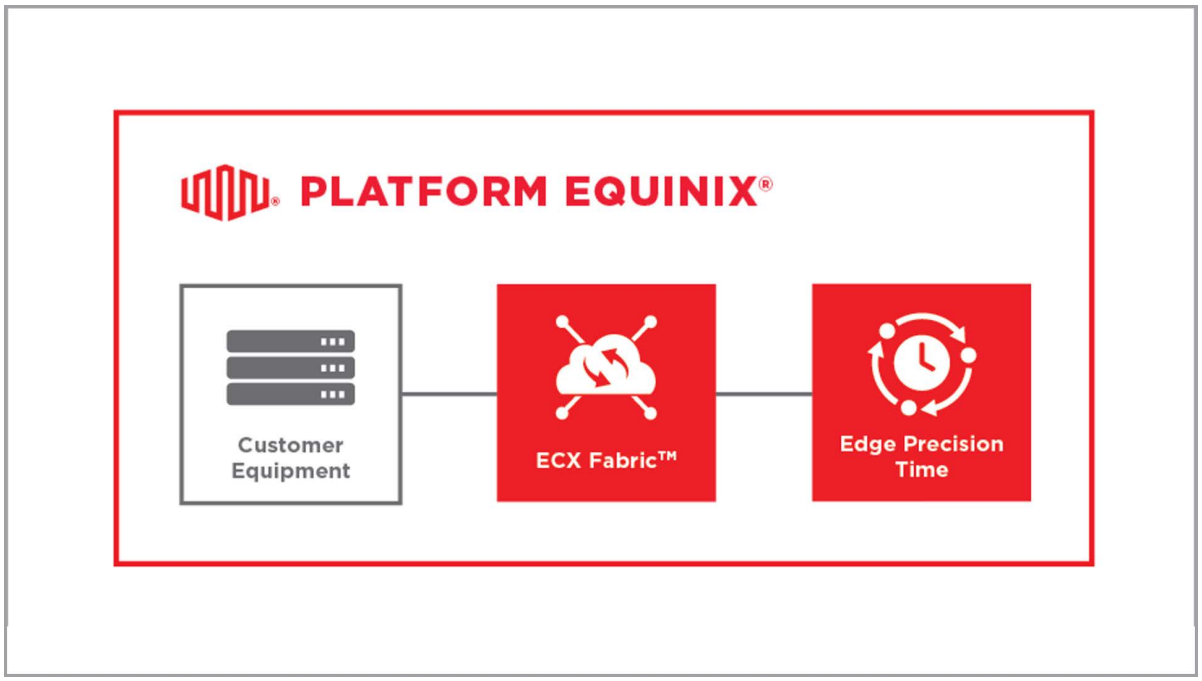
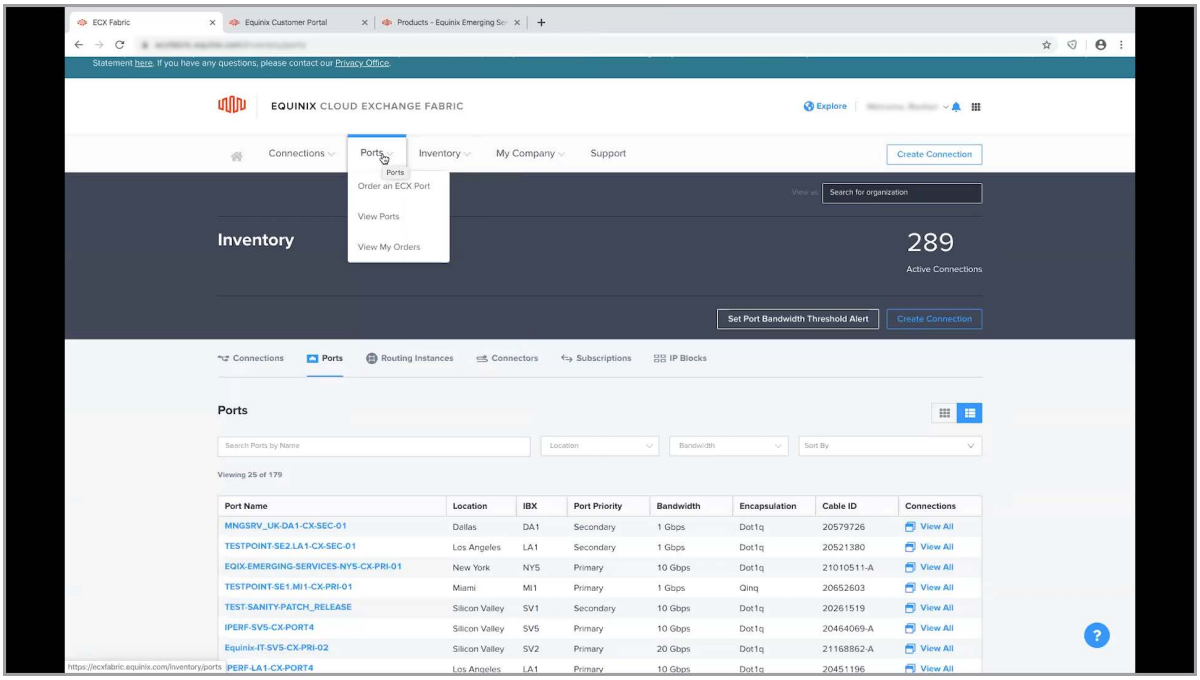
Hi, I'm **Roshan Kumar**, Product Manager for Edge Precision Time at Equinix. In this video I'm going to talk about the prerequisites and network planning for Edge Precision Time.



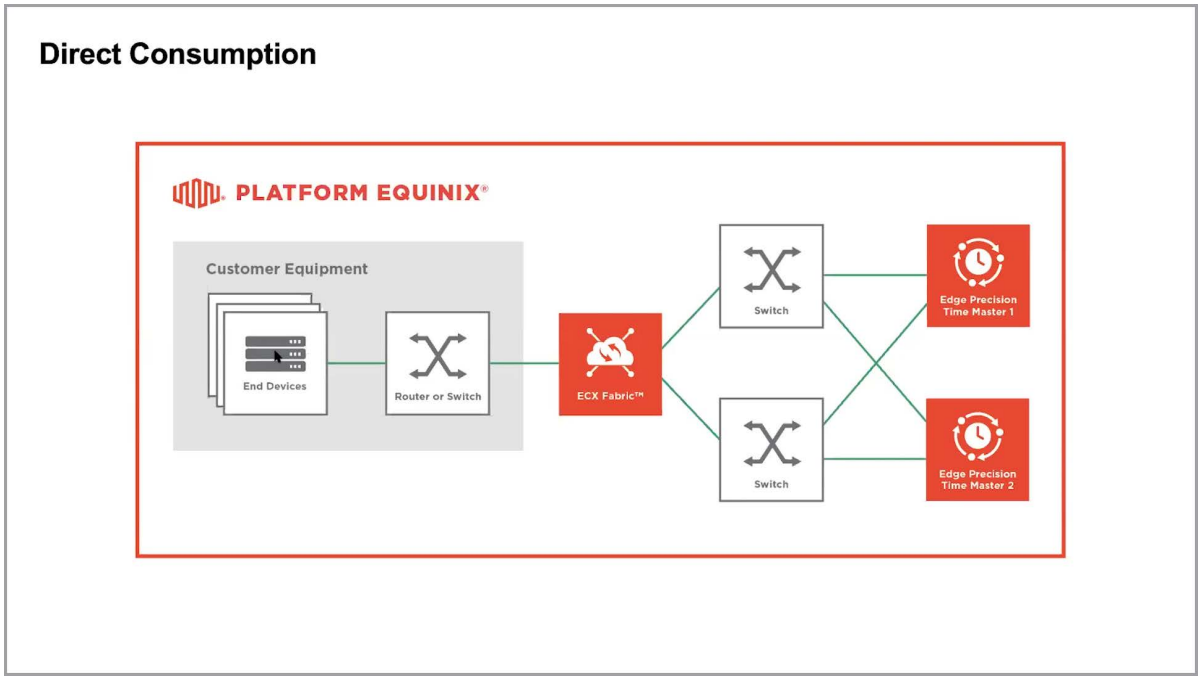
First, let's discuss the prerequisites.

Edge Precision Time is a service that's delivered over Equinix Cloud Exchange Fabric, or ECX Fabric for short. This means, you need a physical ECX port that's connected via a network to the computer equipment that synchronizes time. Further, if you are the user signing up for a new Edge Precision Time service, you must already have an Equinix customer account on Equinix Customer Portal. Your account must also have permissions to view your ECX port and order new connections. Please contact your master administrator or your Equinix Customer Success Manager to get the right permissions.

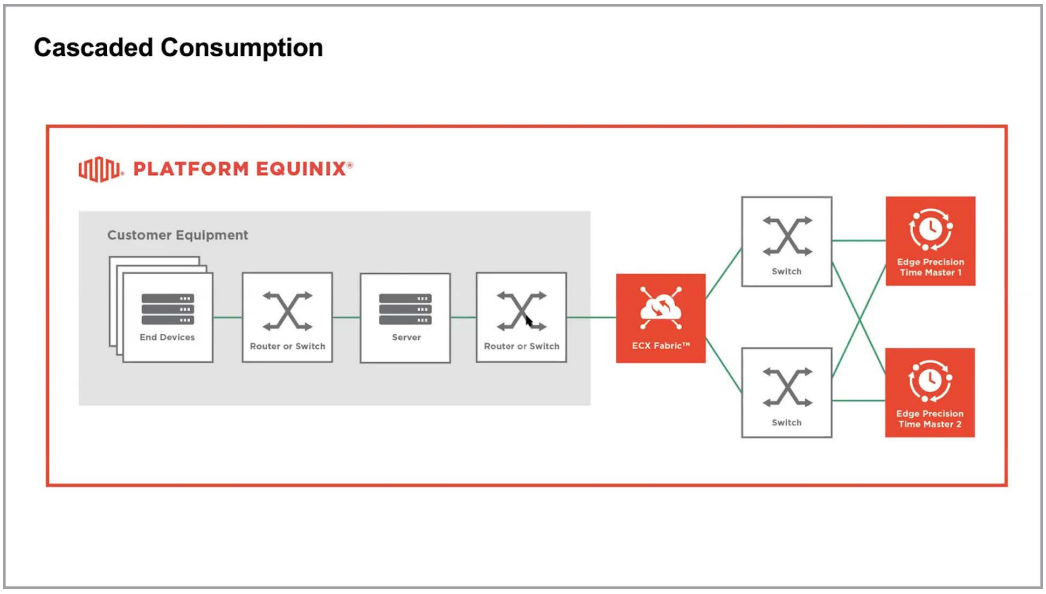


Now let's talk about the network planning.

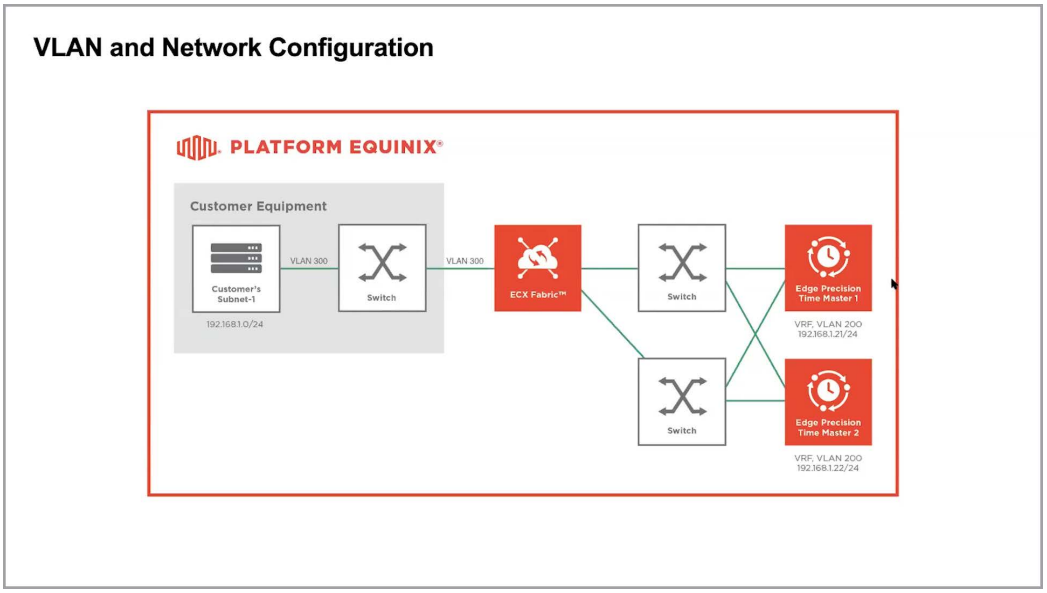
For both PTP and NTP, you can configure your devices for direct consumption. In this case your devices synchronize for time directly with the Edge Precision Time master servers.



Or you can cascade the consumption by having your own time master, which in turn synchronizes with Edge Precision Time masters via PTP or NTP.



In either consumption models, you need to setup a VLAN for your devices and the ECX Port. We will need this VLAN ID later while configuring the new service. Edge Precision Time will create a new ECX virtual connection between your ECX port and the time masters, and connect the layer 2 networks between your VLAN with this connection. This will put the time master servers in your private subnet. You need to plan on allocating private IP addresses for the two Time master servers.



Thank you for watching this video. In the next video we will show you how to subscribe to a new service. For more details about prerequisites and network planning, please visit our documentation site docs.equinix.com and look for Edge Precision Time.