

AT&T NetBond® for Cisco WebEx®

Service Activation Overview

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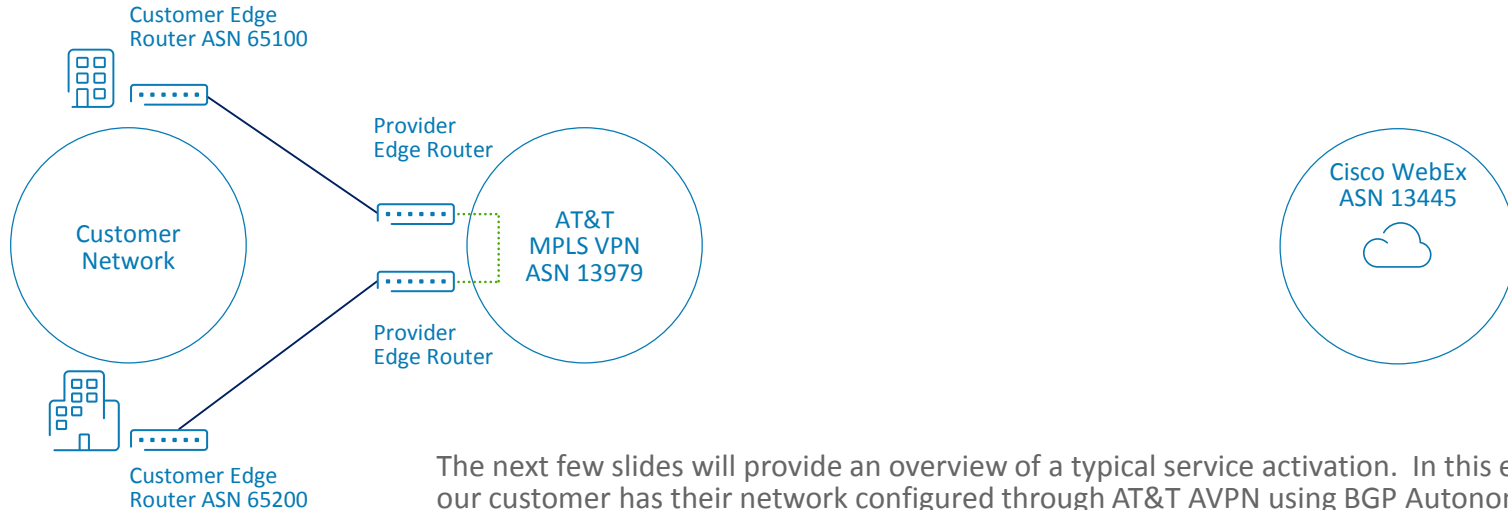
AT&T NetBond® allows AT&T customers to extend their MPLS virtual private network to cloud services such as Cisco WebEx®. Upon completion, the WebEx service will appear as another site on the VPN. The customer will then be able to reach WebEx services with reduced latency, improved security, and greater availability.

Using the AT&T Synaptic Cloud portal, the NetBond service can be provisioned in a matter of minutes. The next few slides will provide an overview to plan for and enable the service.

Prior to enablement, the customer should have or procure service with Cisco WebEx, and work with our account team to sign up for NetBond cloud services. Upon contract signing, the customer will receive a welcome email for credentials to www.synaptic.att.com.



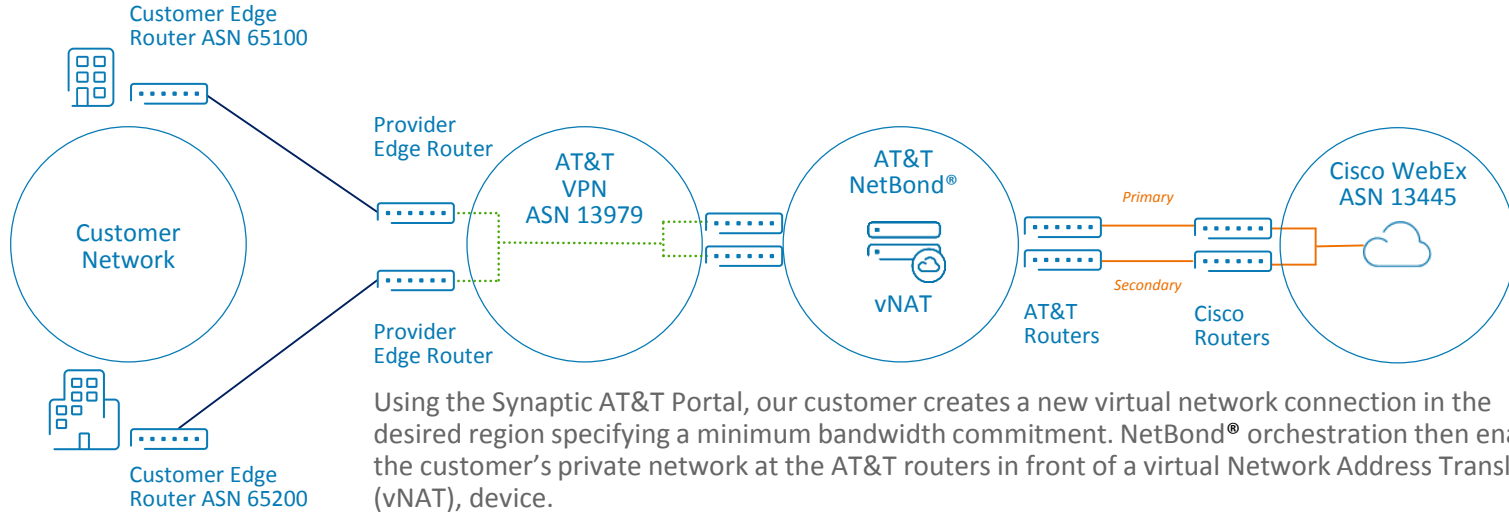
Example Scenario – Existing AT&T VPN and WebEx subscription



The next few slides will provide an overview of a typical service activation. In this example, our customer has their network configured through AT&T AVPN using BGP Autonomous Systems 65100 & 65200. They have an existing WebEx subscription in place.



Virtual Network Connection (VNC) Created

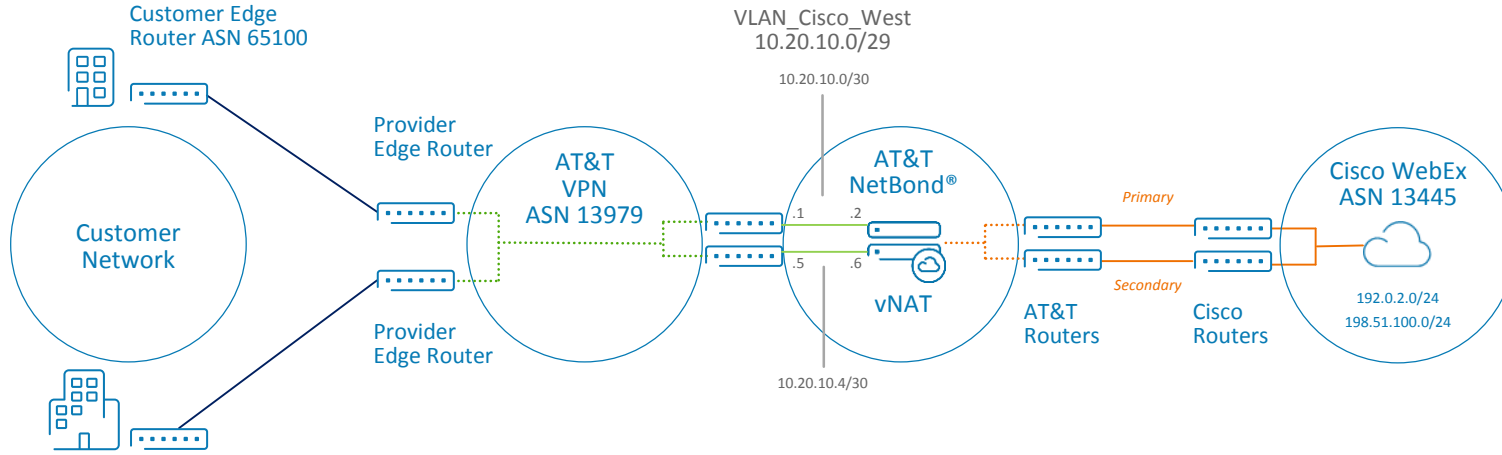


Using the Synaptic AT&T Portal, our customer creates a new virtual network connection in the desired region specifying a minimum bandwidth commitment. NetBond® orchestration then enables the customer's private network at the AT&T routers in front of a virtual Network Address Translation, (vNAT), device.

Because Cisco will direct all traffic to a single "primary" peering point (normally San Jose), we recommend that customers establish their VNC in the location nearest the majority of their users to minimize latency. If a large population of users exist in both the eastern and western areas of the United States, customers should select the Central (Dallas, TX) region when creating their VNC.



Cisco WebEx VLAN Created

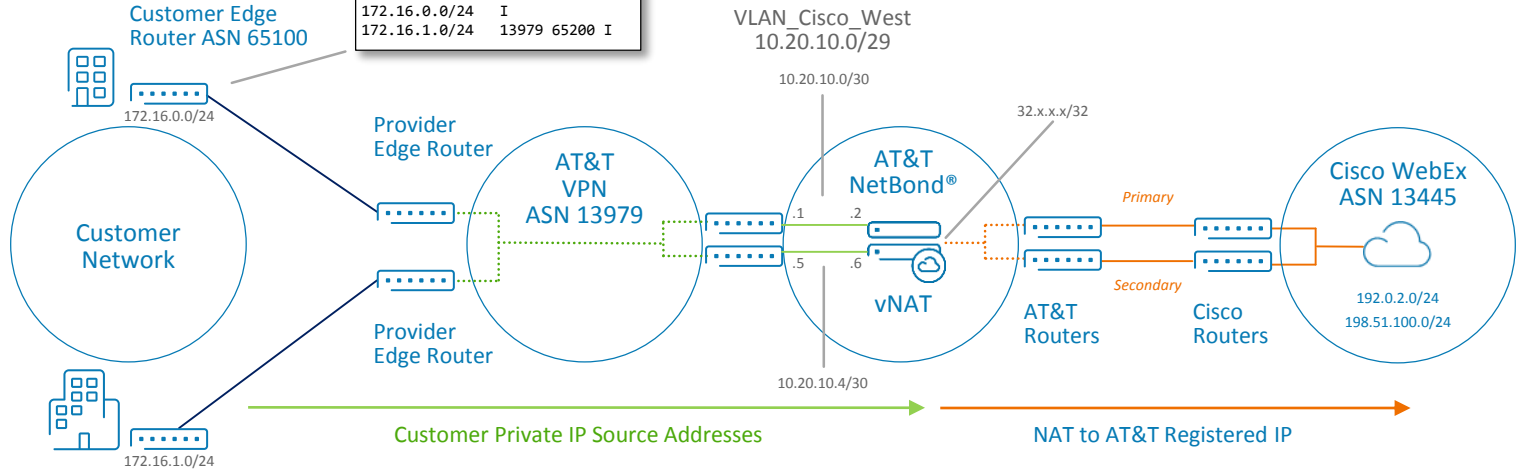


Using a dedicated /29 address block from enterprise IP space, our customer configures a VLAN within the VNC. NetBond® orchestration automatically subdivides the address space and provisions primary and secondary connections between the virtual routing interface on the AT&T routers and the vNAT device.



Cisco WebEx VLAN Created (cont.)

Route	AS-Path
10.20.10.0/30	13979 I
10.20.10.4/30	13979 I
192.0.2.0/24	13979 13445 I
198.51.100.0/24	13979 13445 I
172.16.0.0/24	I
172.16.1.0/24	13979 65200 I



After a few minutes, the two /30's and all Cisco WebEx public route announcements will appear in the customer edge route tables. All traffic destined to Cisco WebEx will traverse the AT&T VPN to NetBond where the original source IP address will be translated to an AT&T public IP address before being forwarded.



Summary Steps

1. Obtain Cisco WebEx subscription.
2. Work with AT&T account team to sign up for AT&T NetBond® services. Welcome letter will provide credentials to www.synaptic.att.com portal.
3. Create NetBond® Virtual Network Connection (Required: Name of AT&T VPN and free-form name for Virtual Network Connection).
4. Create NetBond® VLAN. (Required: /29 address space, free-form name, and the Cisco WebEx login).



