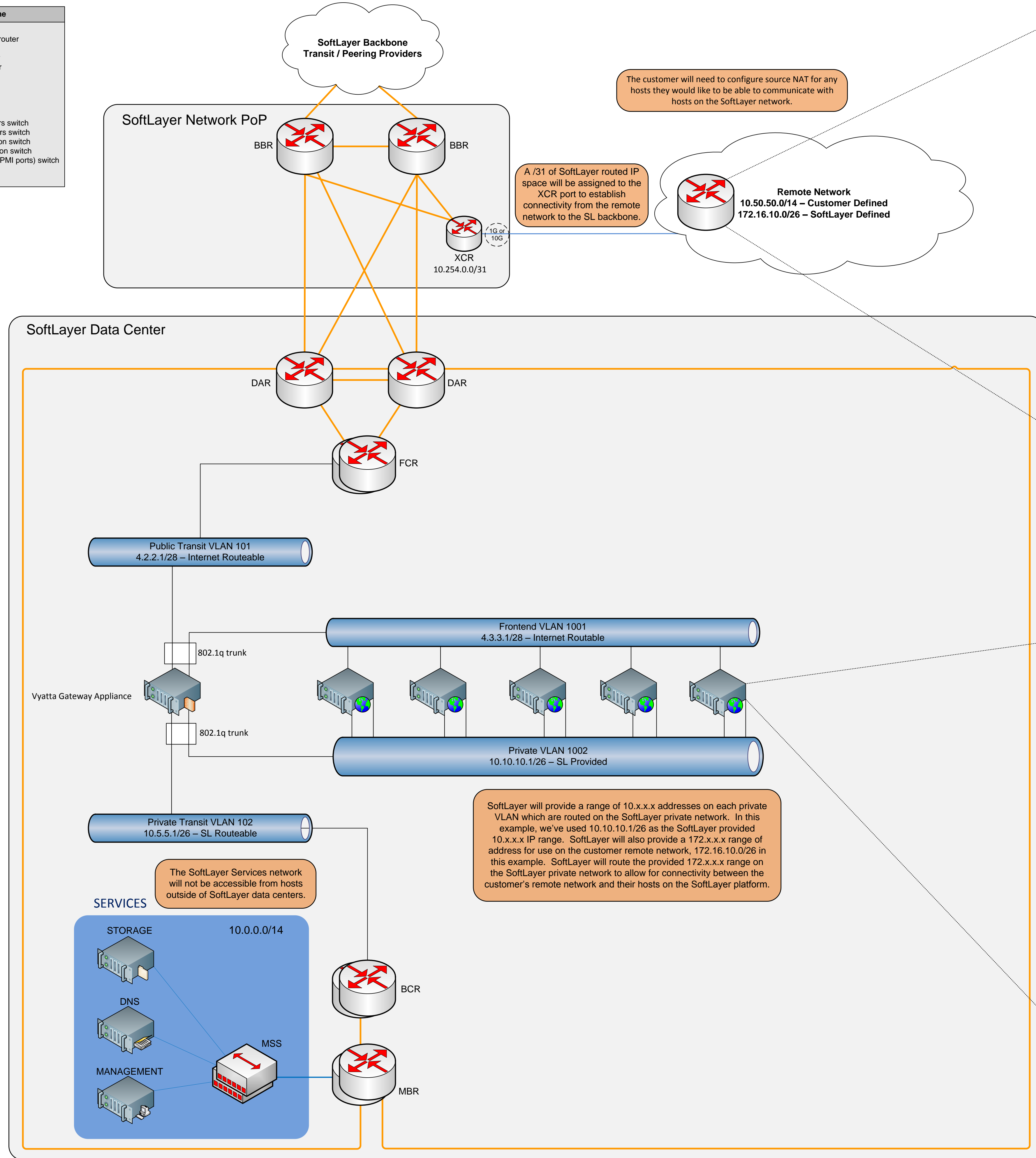


Naming Scheme	
Routers	
DAR	= distribution aggregation router
BBR	= backbone router
FCR	= frontend customer router
BCR	= backend customer router
MBR	= master backend router
VER	= VPN edge router
XCR	= Cross Connect router
XCS	= Cross Connect switch
Switches	
FCS	= frontend customer servers switch
BCS	= backend customer servers switch
FAS	= frontend racks aggregation switch
BAS	= backend racks aggregation switch
BMS	= backend management (IPMI ports) switch
MSS	= master service switch
LBSW	= load balancer switch

This diagram is intended to show how a customer can configure communication between their SoftLayer hosts and hosts on their remote network via a direct link by configuring source NAT on the egress point of their network. This solution works assuming the SoftLayer provided private IP ranges do not conflict with the IP space assigned to the customer's hosts that need to communicate with hosts on the SoftLayer private network. All IP's used in this diagram are example IP's and will be different upon deployment with the exception of the SoftLayer services network (10.0.0/14).



Customer's Network Egress Router

Original Source – 10.50.50.3 : New Source – 172.16.10.3
 Original Source – 10.50.50.4 : New Source – 172.16.10.4
 Original Source – 10.50.50.5 : New Source – 172.16.10.5
 Etc.

The customer's edge router will need to be configured with NAT to allow for connectivity to the SoftLayer hosts from hosts on the remote network. This is done by masking the source IP of hosts on the remote network, since SoftLayer will not route customer provided IP space on our private network. In this example, we are configuring a source NAT on the customer egress point to change the source IP from a customer host in the 10.50.50.x IP range to a SoftLayer routable 172.16.10.x IP for anything destined for 10.10.10.1/26.

Customer's SoftLayer Host

4.3.3.3 – SoftLayer provided public IP
 Eth1

Eth0
 10.10.10.3 – SoftLayer provided private IP

The customer's SoftLayer hosts will be provisioned with a 10.x.x.x IP from a SoftLayer provided IP range. This 10.x.x.x address is fully routable on the SoftLayer private network and will allow for host to host connectivity on the SoftLayer platform as well as host to SoftLayer services network connectivity on the SoftLayer platform.