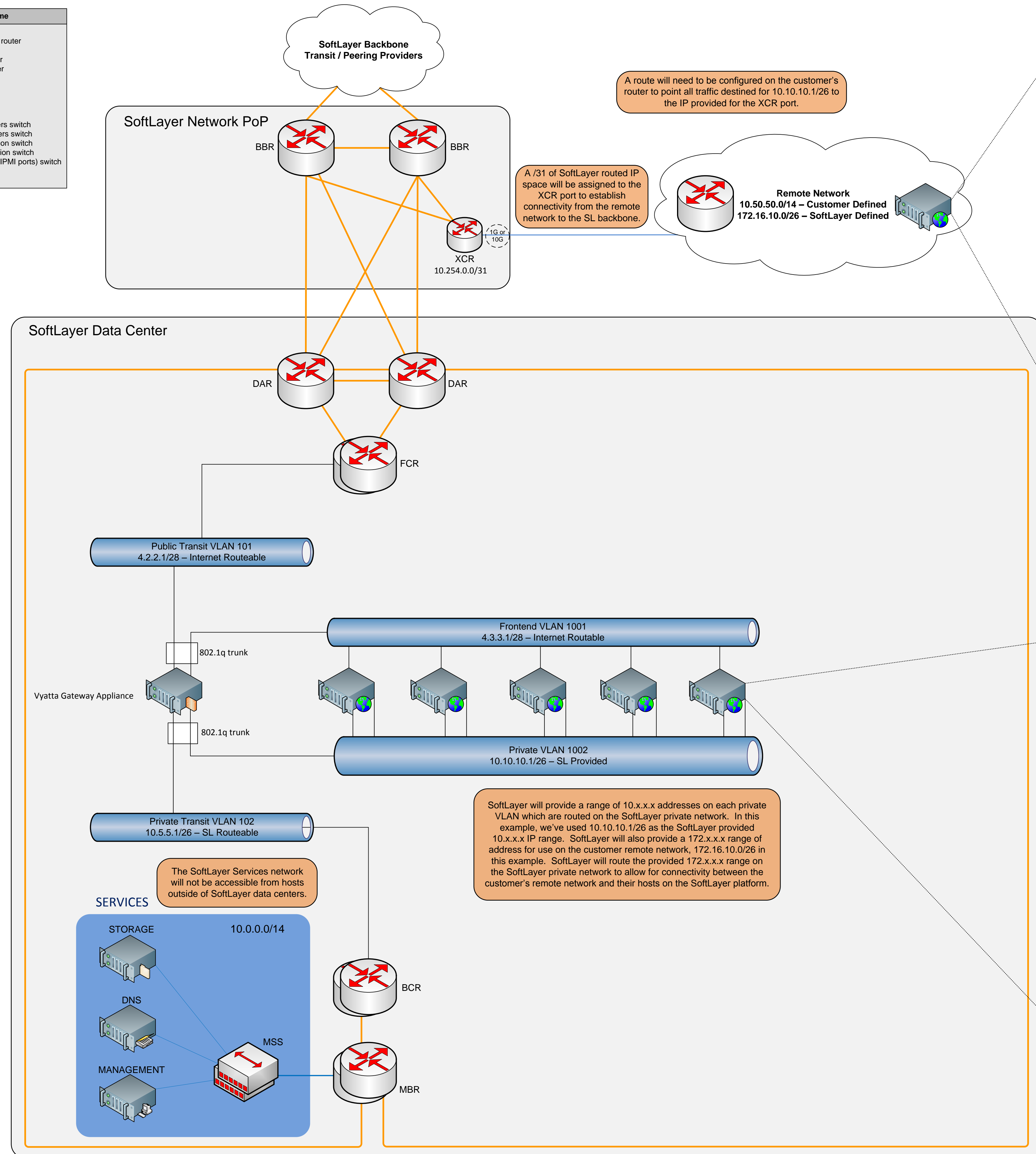


Naming Scheme	
Routers	
DAR	= distribution aggregation router
BBR	= backbone router
FCR	= frontend customer router
BCR	= backend customer router
MBR	= master backend router
VER	= VPN edge router
XCR	= Cross Connect router
XCS	= Cross Connect switch
Switches	
FCS	= frontend customer servers switch
BCS	= 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 with a dual IP scheme on their remote hosts. A customer also has the ability to reIP their existing hosts on their remote network into the SoftLayer provided 172.x.x.x IP range if they prefer not to use a dual IP setup. 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 (10.0.0.0/14).



A route will need to be configured on the customer's router to point all traffic destined for 10.10.10.1/26 to the IP provided for the XCR port.

A /31 of SoftLayer routed IP space will be assigned to the XCR port to establish connectivity from the remote network to the SL backbone.

Eth0 and Eth0:1 will be configured with one customer defined IP from their remote network range and one SoftLayer provided IP from the SoftLayer defined range. Both interfaces should be able to use the same gateway on the customer router assuming they are in the same layer 2 domain.

SoftLayer will provide a range of 10.x.x.x addresses on each private VLAN which are routed on the SoftLayer private network. In this example, we've used 10.10.10.1/26 as the SoftLayer provided 10.x.x.x IP range. SoftLayer will also provide a 172.x.x.x range of address for use on the customer remote network, 172.16.10.0/26 in this example. SoftLayer will route the provided 172.x.x.x range on the SoftLayer private network to allow for connectivity between the customer's remote network and their hosts on the SoftLayer platform.

The SoftLayer Services network will not be accessible from hosts outside of SoftLayer data centers.

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.