

## Remote Site Inheritance

### ■ Inherited remote site identifier is one higher than previous interface

- First interface associated with Site 1 by default
  - Default inheritance increased by 2 when remote site identifier = local site ID

```
encapsulation-type ethernet-vlan;  
site CE-A {  
  site-identifier 1;  
  interface ge-1/0/4.512;  
  interface ge-1/0/4.513;  
}
```

Default remote site identifier = site 2  
Default remote site identifier = site 3

Each interface listed under the `l2vpn` portion of a Layer 2 VPN VRF is associated with a remote site. Each subsequent interface inherits by default a site association that is one higher than the previous interface. The default inheritance value is increased by two when an interface's default inheritance would cause it to be associated with the PE router's local site identifier.

The first interface listed is therefore associated with Site 1 on all PE routers except the PE router actually attaching to Site 1, as this PE router associates by default the first interface listed with Site 2.

In the example on the graphic, it shows a portion of the Layer 2 VPN configuration from Site CE-A. The default site association rules cause the two interfaces listed to be associated with Sites 2 and 3 respectively. This association is the result of the first interface having two added to the default inheritance to avoid the interface being associated with the local site. Without this algorithm, the operation would either need to begin the interface listing with a place holder interface or use the `remote-site-id` statement. The default site association algorithm makes these steps unnecessary.