

The main differences between STP Loopback Detection (LBD v2.0) and the latest LBD v4.0 are:  
For LBD v2.0 – The STP Loopback Detection uses BPDU to detect the loop. It is necessary to enable STP to make this LBD feature works.  
For LBD v4.0 – The Loopback Detection uses another packet (Multicast) type to detect the loop. It is a better solution than STP-Dependent method.

There are two optional actions when loop occurs:

Action 1: Shut down the port(v2.0/v4.0)

Action 2: Shut down the individual VLAN with loop (v4.0 only)