**VERSIONS OF STP**

Original standard

Single STP for the entire bridged network

Slow convergence (30-50 seconds).

Backward compatible with 802.1D.

Improved handling of link failures.

Faster convergence (a few seconds).

Rapid Spanning Tree Protocol.

Higher CPU utilization.

Still relatively slow convergence.

Better load balancing.

Separate spanning tree instance for each VLAN.

Cisco proprietary.

Prone to network disruptions during changes.

Reduces CPU utilization compared to PVST+.

Allows multiple VLANs to be mapped to a single spanning tree instance.

Rapid convergence per VLAN.

Combines the benefits of RSTP and PVST+

Cisco's rapid version of PVST+.

Improved scalability.

Multiple Spanning Tree Protocol