

Multi-Protocol Label Switching

A networking technology that directs data from one network node to the next based on short path labels rather than long network addresses, avoiding complex lookups in a routing table.ⁱ The main advantage is quick packet forwarding using only the path label.

The router that supports MPLS is known as a Label Switching Router.

Security issues with MPLS

One security concern with MPLS is blind-insertion attacks where a bogus packet enters at the ingress router point and contains the correct label. Now the attacker has access to other networks through the discovered MPLS. Organization can prevent discovery of the MPLS by hiding it. MPLS packets are prevented from going to external networks.

Component Symbol



ⁱ Official (ISC)²® Guide To The CISSP® CBK®, Glossary