Discovery Ports & Protocols

Lumeta discovery methods and the ports and protocols associated with each.

Indexing Type	Purpose/Protocols	Protocol # (PN) or Ports
Passive Discovery	Index real time network change by passively participating in control domain using OSPF, BGP, ICMPv6, ARP, DHCP, DNS	• PN 1, 89 • TCP 179 • UDP 67, 68, 53
Path Discovery	• Actively index forwarders and paths using ICMP, TCP, UDP, DNS via TTL-tracing, responses • Index network infrastructure devices, route • tables, ARP tables, switch TCAM, VLANs using SNMP, LLDP	• PN 1 • TCP 80, 443 • UDP 53, 161, 162 • User-definable ports
Host Discovery	Actively index devices attached to network via ICMP, TCP, UDP, DNS, SNMP interrogation and Responses	• PN 1 • TCP 80, 443 • UDP 53, 161, 162 • User-definable ports
Device Profile Discovery	Actively fingerprints the indexed census of devices on the network using TCP (OS detection), CIFS, HTTP/S, SNMP	• TCP 80, 443, 445 • UDP 161, 162
Port Discovery	Actively index ports by using TCP SYN/ACK response	• User definable list or all (e.g. port-scan)
Leak Path Discovery	Actively index leak-paths that exist in the L3 routed domain between network segments using Lumeta proprietary TCP packet spoofing	• PN 1 • UDP 161, 162 • User definable