



PEACH
FUZZER

MLD Peach Pit
Data Sheet

- Peach Pit: MLD
- Target: Client
- Supported Platforms: Windows, Linux, OS X

Multicast Listener Discovery Protocol (MLD) is used to declare and manage group membership for multicast addresses in IPv6.

MLD is a sub-protocol of ICMPv6, that is, MLD message types are a subset of ICMPv6 messages. MLD is a translation of the IGMPv3 protocol for IPv6 semantics.

Commands include adding and removing IPs from a group and querying routers/hosts for current group membership.

In IPv4, the functionality of MLD is addressed by the IGMP protocol.

Specifications

Specification	Title
RFC3810	Multicast Listener Discovery Version 2 (MLDv2) for IPv6
RFC4604	Using Internet Group Management Protocol Version 3 and Multicast Listener Discovery Protocol Version 2 for Source-Specific Multicast
RFC2710	Multicast Listener Discovery (MLD) for IPv6

Use Cases

Messages	Specification
Multicast Listener Query Message	RFC3810 (Section 5.1)
Version 2 Multicast Listener Report Message	RFC3810 (Section 5.2)

Supported Features	Specification
General Query	RFC3810 (Section 5.1.13)
Multicast Address Specific Query	RFC3810 (Section 5.1.13)
Multicast Address and Source Specific Query	RFC3810 (Section 5.1.13)