ICMPv4 Peach Pit
Data Sheet

- Peach Pit: ICMPv4

- Target: Client

- Supported Platforms: Windows, Linux, OS X

Internet Control Message Protocol version 4 (ICMPv4) is the implementation of a message relay protocol on top of IPv4. It provides error responses for the IPv4 protocol as well as simple data transmission. It is commonly used in the ping application for testing network response and connectivity.

Specifications

Specification	Title
RFC792	Internet Control Message Protocol
RFC1071	Computing the Internet Checksum
RFC1122	Requirements for Internet Hosts — Communication Layers
RFC1256	ICMP Router Discovery Messages
RFC6918	Formally Deprecating Some ICMPv4 Message Types
RFC6633	Deprecation of ICMP Source Quench Messages

Use Cases

Messages	Specification
8) Echo	RFC792
0) Echo Reply	RFC792
3) Destination Unreachable	RFC792
4) Source Quench	RFC792
5) Redirect	RFC792
11) Time Exceeded	RFC792
12) Parameter Problem	RFC792
13) Timestamp	RFC792
14) Timestamp Reply Problem	RFC792

Messages	Specification
15) Information Request	RFC792
16) Information Reply	RFC792
9) Router Advertisement	RFC1256 (Section 3)
10) Router Solicitation	RFC1256 (Section 3)

Supported Features	Specification
Internet Checksum	RFC1071

Supported Payloads	Specification
IPv4 in Error Responses	RFC1122