



PEACH  
FUZZER

## IPv4 Peach Pit Data Sheet

- Peach Pit: IPv4
- Target: Client
- Supported Platforms: Windows, Linux, OS X

Internet Protocol Version 4 (IPv4) is the Layer 3 Backbone of the internet. It is built on top of Ethernet and offers configurable addressing and routing capabilities to computer networks.

IPv4 is an inherently unreliable protocol because packets may not reach their destination. Layer 4 protocols like TCP are designed to provide reliable and ordered transmission of data over an IP network.

## Specifications

Specification	Title
RFC791	INTERNET PROTOCOL DARPA INTERNET PROGRAM PROTOCOL SPECIFICATION
RFC760	DOD STANDARD INTERNET PROTOCOL
RFC1071	Computing the Internet Checksum
RFC2474	Definition of the Differentiated Services Field (DS Field) in the IPv4 and IPv6 Headers
RFC3168	The Addition of Explicit Congestion Notification (ECN) to IP

## Use Cases

Messages	Specification
Packet	RFC791

Supported Features	Specification
Internet Checksum	RFC1071
Padding	RFC791 (Section 3.1)
Option Blocks	RFC791 (Section 3.1)
Explicit Congestion Notification	RFC3168

<b>Supported Payloads</b>	<b>Specification</b>
ICMPv4 Echo Request	RFC792