



PEACH
FUZZER

DHCPv4 Peach Pit
Data Sheet

- Peach Pit: DHCPv4
- Target: Server
- Supported Platforms: Windows, Linux, OS X

Dynamic Host Configuration Protocol Version 4 (DHCPv4) is the network configuration protocol over IPv4. DHCP provides a way for a device on a network to request an available IP address from a central server.

Requesting IP addresses with DHCP reduces the changes resulting from address collisions and allows hosts to become addressable without needing previous details from the network configuration.

Requests are broadcast over the layer-2 network to an entire network space and relayed until received by a DHCP Server. The server responds with an available IP address, and a handshake confirms and completes the IP assignment.

Specifications

Specification	Title
RFC1531	Dynamic Host Configuration Protocol
RFC1541	Dynamic Host Configuration Protocol
RFC2131	Dynamic Host Configuration Protocol
RFC3396	Encoding Long Options in the Dynamic Host Configuration Protocol (DHCPv4)

Use Cases

Messages	Specification
DHCP Message	RFC2131 (Section 2)

Supported Features	Specification
DHCPREQUEST	RFC2131 (Section 4.3.2)
DHCPACK	RFC2131 (Section 4.4)