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[RFC 3074](#)

Title: DHC Load Balancing Algorithm
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This document proposes a method of algorithmic load balancing. It enables multiple, cooperating servers to decide which one should service a client, without exchanging any information beyond initial configuration.

The server selection is based on the servers hashing client Media Access Control (MAC) addresses when multiple Dynamic Host Configuration Protocol (DHCP) servers are available to service DHCP clients. The proposed technique provides for efficient server selection when multiple DHCP servers offer services on a network without requiring any changes to existing DHCP clients. The same method is proposed to select the target server of a forwarding agent such as a Bootstrap Protocol (BOOTP) relay.

This document is a product of the Dynamic Host Configuration Working Group of the IETF.

This is now a Proposed Standard Protocol.

This document specifies an Internet standards track protocol for the Internet community, and requests discussion and suggestions for improvements. Please refer to the current edition of the "Internet Official Protocol Standards" (STD 1) for the standardization state and status of this protocol. Distribution of this memo is unlimited.

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