

DHC Working Group  
Internet Draft  
Expiration Date: August 2006

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Domain Suffix Option for DHCPv6  
<[draft-ietf-dhc-dhcpv6-opt-dnsdomain-01.txt](#)>

February 6, 2006

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Abstract

This document specifies a new DHCPv6 (DHCP for IPv6) option which is passed from a DHCPv6 server to a DHCPv6 client to specify the domain suffix name.



The domain suffix in the 'domain suffix' field MUST include only one item, and MUST be encoded as specified in the section of [RFC3315](#) titled "Representation and use of domain names".



## **2.1 Usage**

A DHCPv6 server may provide different values for the domain suffix option to different clients. The mechanism for choosing which suffix to assign to which client is a matter of implementation and administrative policy, and is therefore not specified in this document.

## **3. Security Considerations**

Security considerations in DHCP are described in [section 23](#), "Security Considerations" of [RFC3315](#).

## **4. IANA Considerations**

IANA is requested to assign a DHCPv6 option code for the Domain Suffix Option.

## **5. Acknowledgements**

The authors thank Ralph Droms, Ted Lemon, Bernie Volz, Tatuya Jinmei, Joe Quanaim and Stefaan De Cnodder for valuable discussions and comments.

## **6. References**

### **6.1 Normative References**

- [RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", [BCP 14](#), [RFC 2119](#), March 1997.
- [RFC3315] Bound, J., Carney, M., Perkins, C., Lemon, T., Volz, B. and R. Droms (ed.), "Dynamic Host Configuration Protocol for IPv6 (DHCPv6)", [RFC 3315](#), May 2003.



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## Acknowledgment

Funding for the RFC Editor function is currently provided by the Internet Society.

