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**Unused DHCP Option Codes**  
**draft-ietf-dhc-unused-optioncodes-04**

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Abstract

Prior to the publication of [RFC2489](#) (which was updated by [RFC2939](#)), several option codes were assigned to proposed DHCP options that were subsequently never used. This document lists those unused option codes and will be used to confirm that these option codes can be reused for other DHCP options in the future.

**1. Introduction**

This document lists the unused DHCP option codes from the IANA list of BOOTP and DHCP option codes [[1](#)]. Each option code includes any known documentation and contact information from the IANA list.



## **2. Unused DHCP Option Codes to be Reassigned to Future DHCP Options**

The option codes listed in this section are to be returned to IANA for reassignment to new options. Responses from associated contact persons are noted where they have been received.

### **2.1 Service Location Protocol Naming Authority**

Code: 80

Name: Service Location Protocol Naming Authority

Defined in: (expired Internet-Draft)

Contact: Charlie Perkins

Reason to recover: Never published as standard and not in general use

### **2.2 Relay Agent Options**

Codes: 83, 84

Name: Relay Agent Options

Defined in: Early draft of [RFC3046](#) [4]

Contact: (none)

Reason to recover: Not defined in [RFC3046](#) as published

### **2.3 IEEE 1003.1 POSIX Timezone**

Code: 88

Name: IEEE 1003.1 POSIX Timezone

Defined in: (expired Internet-Draft)

Contact: Mike Carney

Reason to recover: Never published as standard and not in general use



#### [2.4](#) FQDNs in DHCP Options

Code: 89

Name: FQDNs in DHCP Options

Defined in: (expired Internet-Draft)

Contact: Ralph Droms; agrees that option code should be  
reassigned

Reason to recover: Never published as standard and not in general use

#### [2.5](#) VINES TCP/IP Server

Code: 91

Name: VINES TCP/IP Server

Defined in: (none)

Contact: (none)

Reason to recover: Never published as Internet-Draft

#### [2.6](#) Server Selection

Code: 92

Name: Server Selection

Defined in: (none)

Contact: (none)

Reason to recover: Never published as Internet-Draft

#### [2.7](#) LDAP Servers

Code: 95

Name: LDAP Servers

Defined in: (none)



Contact: (none)

Reason to recover: Never published as Internet-Draft

## [2.8](#) IPv6 Transition

Code: 96

Name: IPv6 Transition

Defined in: (expired Internet-Draft)

Contact: Dan Harrington; agrees that option code should be  
reassigned

Reason to recover: Never published as standard and not in general use

## [2.9](#) Printer Name

Code: 100

Name: Printer Name

Defined in: (none)

Contact: (none)

Reason to recover: Never published as Internet-Draft

## [2.10](#) Multicast Assignment through DHCP

Code: 101

Name: Multicast Assignment through DHCP

Defined in: (expired Internet-Draft)

Contact: Baiju Patel, Munil Shah

Reason to recover: Never published as standard and not in general use





### [2.11](#) Swap Path

Code: 108

Name: Swap Path

Defined in: (none)

Contact: (none)

Reason to recover: Never published as Internet-Draft

### [2.12](#) IPX Compatibility

Code: 110

Name: IPX Compatibility

Defined in: (none)

Contact: Juan Luciani; agress that option code should be  
reassigned

Reason to recover: Never published as Internet-Draft

### [2.13](#) Netinfo Parameters

Codes: 112, 113

Name: Netinfo Address, Netinfo Tag

Defined in: (none)

Contact: Marc Majka

Reason to recover: Never published as Internet-Draft

### [2.14](#) URL

Code: 114

Name: URL

Defined in: (none)



Contact: Vinod Valloppillil

Reason to recover: Never published as Internet-Draft

### **2.15 Failover**

Code: 115

Name: Failover

Defined in: Early revisions of "DHCP Failover Protocol" [[5](#)]

Contact: Kim Kinnear

Reason to recover: Current version of "DHCP Failover Protocol" does not use a DHCP option

## **3. Option codes used in PXE Specification**

The following option codes are used in the "Preboot Execution Environment (PXE) Specification, Version 2.1" [[2](#)]. However, although these options are in widespread use by devices that use PXE, none of these option codes have been described in a published RFC.

The dhc WG will endeavor to have specifications for these options published.

### **3.1 Client System**

Code: 93

Name: Client System

Defined in: "Preboot Execution Environment (PXE) Specification, Version 2.1" [[2](#)]

Contact: Michael Johnston

### **3.2 Client NDI**

Code: 94

Name: Client NDI

Defined in: "Preboot Execution Environment (PXE)"



Specification, Version 2.1" [2]

Contact: Michael Johnston

### **3.3 UUID/GUID Client Identifier**

Code: 97

Name: UUID/GUID Client Identifier

Defined in: "Preboot Execution Environment (PXE)  
Specification, Version 2.1" [2] (and an expired Internet-Draft)

Contact: Dan Harrington, Michael Johnston

## **4. Option Code Extensions**

Note that these option codes are identified in [draft-volz-dhc-extended-optioncodes-00](#) [3] as part of a mechanism for extending the set of option codes available to DHCP. If these option codes are not used for DHCP option code extension, they will be returned to IANA for reassignment to other DHCP options.

Codes: 126, 127

Name: Option Code Extensions

Defined in: (expired Internet-Draft)

Contact: Ralph Droms

Reason to recover: Never published as standard; note that these option codes are mentioned in "Extending DHCP Options Codes" [3].

## **5. Already Returned for Reassignment**

The option codes 99, 102-107, 109 and 111 have already been returned for reassignment to future DHCP options.

## **6. IANA Considerations**

When this document has been published as an Informational RFC, IANA will be requested to return the unused DHCP option codes to the list of available option codes. These option codes may be reassigned to new DHCP options, according to the procedures in [RFC 2939](#) [6].



## Normative References

- [1] Assigned Numbers Editor, IANA., "BOOTP and DHCP Parameters", <http://www.iana.org/assignments/bootp-dhcp-parameters>, February 2003.
- [2] Intel Corporation, "Preboot Execution Environment (PXE) Specification Version 2.1", <http://www.pix.net/software/pxeboot/archive/pxespec.pdf>, September 1999.
- [3] Volz, B., Droms, R. and T. Lemon, "Extending DHCP Options Codes", [draft-volz-dhc-extended-optioncodes-00.txt](#) (work in progress), September 2000.

## Informative References

- [4] Patrick, M., "DHCP Relay Agent Information Option", [RFC 3046](#), January 2001.
- [5] Droms, R., Kinnear, K., Stapp, M., Volz, B., Gonczi, S., Rabil, G., Dooley, M. and A. Kapur, "DHCP Failover Protocol", [draft-ietf-dhc-failover-12.txt](#) (work in progress), November 2002.
- [6] Droms, R., "Procedures and IANA Guidelines for Definition of New DHCP Options and Message Types", [BCP 43](#), [RFC 2939](#), September 2000.

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