



RFC 3942 Status Update (Reclassifying DHCP Options)

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RFC 3942 Procedure

1. The reclassified options (128 to 223) will be placed in the "Unavailable" state by IANA. These options are not yet available for assignment to publicly defined options.
2. Vendors that currently use one or more of the reclassified options have 6 months following this RFC's publication date to notify the DHC WG and IANA that they are using particular options numbers and agree to document that usage in an RFC. IANA will move these options from the "Unavailable" to "Tentatively Assigned" state.

Vendors have 18 months from this RFC's publication date to start the documentation process by submitting an Internet-Draft.

NOTE: If multiple vendors of an option number come forward and can demonstrate that their usage is in reasonably wide use, none of the vendors will be allowed to keep the current option number, and they MUST go through the normal process of getting a publicly assigned option [RFC2939].

3. Any options still classified as "Unavailable" 6 months after the RFC publication date will be moved to the "Unassigned" state by IANA. These options may then be assigned to any new publicly defined options in accordance with [RFC2939].
4. For those options in the "Tentatively Assigned" state, vendors have 18 months following this RFC's publication date to submit an Internet-Draft documenting the option. The documented usage MUST be consistent with the existing usage. When the option usage is published as an RFC, IANA will move the option to the "Assigned" state.

If no Internet-Draft is published within the 18 months or should one of these Internet-Drafts expire after the 18 months, IANA will move the option to the "Unassigned" state, and the option may then be assigned to any new publicly defined options in accordance with [RFC2939].

Publication Date	November 2004
+6 months Date	May 2005
+18 months Date	May 2006

Option	Option Format (see I-D if available)	June 2005 Status	March 2007 Status	Status
128	PXE - undefined (vendor specific)	Tentatively Assigned (with Conflict)	RFC 4578 (documents usage)	Assign to PXE
128	Etherboot signature. 6 bytes: E4:45:74:68:00:00		no draft submitted	
128	DOCSIS "full security" server IP address		no draft submitted	
128	TFTP Server IP address (for IP Phone software load)		DRAFT-BLATHERWICK-DHC-MITEL-SITE- OPTIONS-USAGE-00.TXT (Expired November 2005)	
129	PXE - undefined (vendor specific)	Tentatively Assigned (with Conflict)	RFC 4578 (documents usage)	Assign to PXE
129	Kernel options. Variable length string		no draft submitted	
129	Call Server IP address		DRAFT-BLATHERWICK-DHC-MITEL-SITE- OPTIONS-USAGE-00.TXT (Expired Nov 2005)	
130	PXE - undefined (vendor specific)	Tentatively Assigned (with Conflict)	RFC 4578 (documents usage)	Assign to PXE
130	Ethernet interface. Variable length string.		no draft submitted	
130	Discrimination string (to identify vendor)		DRAFT-BLATHERWICK-DHC-MITEL-SITE- OPTIONS-USAGE-00.TXT (Expired Nov 2005)	
131	PXE - undefined (vendor specific)	Tentatively Assigned (with Conflict)	RFC 4578 (documents usage)	Assign to PXE
131	Remote statistics server IP address		DRAFT-BLATHERWICK-DHC-MITEL-SITE- OPTIONS-USAGE-00.TXT (Expired Nov 2005)	
132	PXE undefined (vendor specific)	Tentatively Assigned (with Conflict)	RFC 4578 (documents usage)	Assign to PXE
132	802.1P VLAN ID		DRAFT-BLATHERWICK-DHC-MITEL-SITE- OPTIONS-USAGE-00.TXT (Expired Nov 2005)	
133	PXE - undefined (vendor specific)	Tentatively Assigned (with Conflict)	RFC 4578 (documents usage)	Assign to PXE
133	802.1Q L2 Priority		DRAFT-BLATHERWICK-DHC-MITEL-SITE- OPTIONS-USAGE-00.TXT (Expired Nov 2005)	
134	PXE - undefined (vendor specific)	Tentatively Assigned (with Conflict)	RFC 4578 (documents usage)	Assign to PXE
134	Diffserv Code Point (DSCP) for VoIP signalling and media streams		DRAFT-BLATHERWICK-DHC-MITEL-SITE- OPTIONS-USAGE-00.TXT (Expired Nov 2005)	

Option	Option Format (see I-D if available)	June 2005 Status	March 2007 Status	Today's RFC 3942 Status
135	PXE - undefined (vendor specific)	Tentatively Assigned (with Conflict)	RFC 4578 (documents usage)	Assign to PXE
135	HTTP Proxy for phone-specific applications		DRAFT-BLATHERWICK-DHC-MITEL-SITE-OPTIONS-USAGE-00.TXT (Expired Nov 2005)	
136-149		Assignable	136 assigned to RFC-ietf-dhc-paa-option-05.txt	
150	TFTP server address	Tentatively Assigned (with Conflict)	DRAFT-RAJ-DHC-TFTP-ADDR-OPTION-01.TXT (Expired June 2005)	Unassigned (or could allow Richard Johnson to submit I-D)
150	Etherboot		no draft submitted	
150	GRUB configuration path name		no draft submitted	
151-174		Assignable		
175	Etherboot	Tentatively Assigned		Unassigned
176	IP Telephone	Tentatively Assigned		Unassigned
177	Etherboot	Tentatively Assigned (with Conflict)		Unassigned
177	PacketCable and CableHome (replaced by 122)			
178-207		Assignable		
208	pxelinux.magic (string) = F1:00:74:7E (241.0.116.126)	Tentatively Assigned	DRAFT-IETF-DHC-PXELINUX-00.TXT (Expired November 2006)	Unassigned (or could allow David Hankins to submit I-D)
209	pxelinux.configfile (text)	Tentatively Assigned		
210	pxelinux.pathprefix (text)	Tentatively Assigned		
211	pxelinux.reboottime (unsigned integer 32 bits)	Tentatively Assigned		
212-219		Assignable		
220	Subnet Allocation Option	Tentatively Assigned	DRAFT-IETF-DHC-SUBNET-ALLOC-04.TXT	Tentatively Assigned
221	Virtual Subnet Selection Option	Tentatively Assigned	DRAFT-IETF-DHC-VPN-OPTION-05.TXT (Expired June 2005)	Unassigned (or could allow Richard Johnson to submit I-D)
222-223		Assignable		

Update bootp-dhcp-parameters

128	PXE - undefined (vendor specific)	[RFC4578]
128	Etherboot signature. 6 bytes: E4:45:74:68:00:00	
128	DOCSIS "full security" server IP address	
128	TFTP Server IP address (for IP Phone software load)	
129	PXE - undefined (vendor specific)	[RFC4578]
129	Kernel options. Variable length string	
129	Call Server IP address	
130	PXE - undefined (vendor specific)	[RFC4578]
130	Ethernet interface. Variable length string.	
130	Discrimination string (to identify vendor)	
131	PXE - undefined (vendor specific)	[RFC4578]
131	Remote statistics server IP address	
132	PXE - undefined (vendor specific)	[RFC4578]
132	IEEE 802.1Q VLAN ID	
133	PXE - undefined (vendor specific)	[RFC4578]
133	IEEE 802.1D/p Layer 2 Priority	
134	PXE - undefined (vendor specific)	[RFC4578]
134	Diffserv Code Point (DSCP) for VoIP signalling and media streams	
135	PXE - undefined (vendor specific)	[RFC4578]
135	HTTP Proxy for phone-specific applications	
136	OPTION_PANA_AGENT	[RFC-ietf-dhc-paa-option-05.txt]
137-149	Unassigned	[RFC3942]
150	TFTP server address (Tentatively Assigned - 23 Jun 2005)	
150	Etherboot	
150	GRUB configuration path name	

Update bootp-dhcp-parameters

151-174 Unassigned [RFC3942]
175 Etherboot (Tentatively Assigned - 23 Jun 2005)
176 IP Telephone (Tentatively Assigned - 23 Jun 2005)
177 Etherboot (Tentatively Assigned - 23 Jun 2005)
177 PacketCable and CableHome (replaced by 122)
178-207 Unassigned [RFC3942]
208 pxelinux.magic (string) = F1:00:74:7E (241.0.116.126) (Tentatively Assigned - 23 Jun 2005)
209 pxelinux.configfile (text) (Tentatively Assigned - 23 Jun 2005)
210 pxelinux.pathprefix (text) (Tentatively Assigned - 23 Jun 2005)
211 pxelinux.reboottime (unsigned integer 32 bits) (Tentatively Assigned - 23 Jun 2005)
212-219 Unassigned
220 Subnet Allocation Option (Tentatively Assigned - 23 Jun 2005)
221 Virtual Subnet Selection Option (Tentatively Assigned - 23 Jun 2005)
222-223 Unassigned [RFC3942]

Actions:

1. Red items are dropped (no draft or expired w/conflict)
2. Richard Johnson to submit updated DRAFT-RAJ-DHC-TFTP-ADDR-OPTION (150)
3. David Hankins to submit updated DRAFT-IETF-DHC-PXELINUX (208-211)
4. Richard Johnson to submit updated DRAFT-IETF-DHC-VPN-OPTION (221)

New bootp-dhcp-parameters

128	PXE - undefined (vendor specific)	[RFC4578]
129	PXE - undefined (vendor specific)	[RFC4578]
130	PXE - undefined (vendor specific)	[RFC4578]
131	PXE - undefined (vendor specific)	[RFC4578]
132	PXE - undefined (vendor specific)	[RFC4578]
133	PXE - undefined (vendor specific)	[RFC4578]
134	PXE - undefined (vendor specific)	[RFC4578]
135	PXE - undefined (vendor specific)	[RFC4578]
136	OPTION_PANA_AGENT	[RFC-ietf-dhc-paa-option-05.txt]
137-149	Unassigned	[RFC3942]
150	TFTP server address (Tentatively Assigned - 23 Jun 2005 - DRAFT-RAJ-DHC-TFTP-ADDR-OPTION-01.TXT)	
151-174	Unassigned	[RFC3942]
178-207	Unassigned	[RFC3942]
208	pxelinux.magic (string) = F1:00:74:7E (241.0.116.126) (Tentatively Assigned - 23 Jun 2005 - DRAFT-IETF-DHC-PXELINUX-00.TXT)	
209	pxelinux.configfile (text) (Tentatively Assigned - 23 Jun 2005 - DRAFT-IETF-DHC-PXELINUX-00.TXT)	
210	pxelinux.pathprefix (text) (Tentatively Assigned - 23 Jun 2005 - DRAFT-IETF-DHC-PXELINUX-00.TXT)	
211	pxelinux.reboottime (unsigned integer 32 bits) (Tentatively Assigned - 23 Jun 2005 - DRAFT-IETF-DHC-PXELINUX-00.TXT)	
212-219	Unassigned	
220	Subnet Allocation Option (Tentatively Assigned - 23 Jun 2005 - DRAFT-IETF-DHC-SUBNET-ALLOC-04.TXT)	
221	Virtual Subnet Selection Option (Tentatively Assigned - 23 Jun 2005 - DRAFT-IETF-DHC-VPN-OPTION-05.TXT)	
222-223	Unassigned	[RFC3942]