

# **draft-polk-dhc-uri-02**

James Polk

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# Draft Overview

- Creates a DHCP Option to request and respond with one or more URI(s)
- Can be solicited or unsolicited
- Complies with RFC 3396 for concatenation of multiple URIs in the same Option message

# DHC URI Option

0	1	2	3
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1			
+-----+			
Code XXX       Length       URI Purpose       URI length   +			
+-----+			
URI (cont'd)    +			
+-----+			
URI (cont'd to a maximum of 253 bytes)			
+-----+			
+>    URI Purpose #2    URI length        +			
+-----+			
URI (cont'd)    +			
+-----+			
URI (cont'd to a maximum of 253 bytes minus URIs above)			
+-----+			
---(This is a second instance of a URI that MAY be in the message;)			

# Multiple URIs in a Message

Two ways to accomplish this:

- [code=XXX] [length] [purpose] [uri length] [uri text] + [purpose] [uri length] [uri text] + [purpose] [uri length] [uri text] [etc]
- and
- [code=XXX] [length] [purpose] [uri length] [uri text] + [purpose] [uri length] [uri text],  
[code=XXX] [length] [purpose] [uri length] [uri text] + [purpose] [uri length] [uri text] [purpose] + [uri length] [uri text] [etc]

# Open Issues

- I think -02 covered all issues posted to DHC list, from a DHC WG point of view
- Remaining open issues are in regards to the values (“purposes”) certain URIs represent, from an ECRIT point of view

# Next...

- Is this sufficiently novel/useful/mature to take on as a WG item?