

A Format for IPv6 Scope Zone Identifiers in Literal URIs

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What's the Problem?

- : in v6 literals conflict with : to separate address from port in URLs
- RFC 2732, “Format for Literal IPv6 Addresses in URL's” revises RFC 2396 to add the [2001:db8::cafe:f00d] form
- Incorporated into RFC 3986, “Uniform Resource Identifier (URI): Generic Syntax”, now full Standard.
- No provision to specify scope zone!

What's the I-D suggest?

- draft-fenner-literal-zone-01.txt
- [v6.fe80::cafe:f00d_de0]
 - Fits URI grammar; doesn't fit scope zone spec
 - “6” and “_” are subject to change

Why am I Here?

- Concerns about the feedback from APPS that informed the deprecation of site-locals: “don’t make the application do extra work based on the scope of the address”
- Since this format will be used *only* for scoped addresses and there’s a grammar to recognize it, applications don’t have to know anything about the specifics.

Question:

- Does a format such as
[v6.fe80::cafe:f00d_de0]
raise any concerns?