Representing IPv6 Zone Identifiers in Uniform Resource Identifiers
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Brian Carpenter
Stuart Cheshire
Bob Hinden

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Summary of draft

• Make browsers accept:
  http://[fe80::abcd%eth0]
  https://[fe80::abcd%eth0]
Reminder of use cases

- Existence check:
  http://[fe80::1234%eth0] instead of ping fe80::1234%eth0
- Configure device (e.g. home router) via browser
- CUPS printing mechanism
- Microsoft WSD virtual printer port mechanism
IESG Status

- Two unresolved DISCUSS ballots since March 2023:
  - Ops AD (Rob Wilton) – concern about applicability to network devices that don’t have conforming interface names.
  - ART AD (Murray Kucherawy) – concerns from the W3C and browser community about locally significant URIs and about parsing the % sign.
Updates since IESG review (1)

These changes address non-DISCUSS comments:

- Added NMEA use case.
- Clearly explained cut-and-paste requirement.
- Noted potential exposure of MAC addresses in zone IDs.
Updates since IESG review (2)

These changes address Rob Wilton’s DISCUSS:

- Clarified character set restrictions and the applicability of numeric identifiers as a work-around.
- Updated ABNF to require lower case (due to host component case normalization).
- Noted that scope is limited to hosts that implement the RFC 4007 model.
Updates since IESG review (3)

These changes address Murray Kucherawy’s DISCUSS:

- Mentioned .local as another case of locally significant URIs.
- Expanded text on handling of zone ID at server.
- Added discussion of W3C CORS work, which already covers link-local addresses, with mutual cross-reference to the W3C community draft.
- Noted parsing fragility re % sign.
WG Status

- Waiting for further IESG feedback