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Registry for BGP-4 OPEN Options
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Abstract

The base BGP specification specifies a mechanism to include optional parameters with the OPEN message. Optional parameters are identified

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by a type code. However, no IANA registry exists for this type code. This document requests IANA to create such a registry.

1. Introduction

The base BGP specification [[RFC4271](#)] specifies in [Section 4.2](#) a mechanism to include optional parameters with the OPEN message. Optional parameters are identified by the Parameter Type, which is a one-octet unsigned binary integer.

Two Parameter Type codes are currently defined:

- o Parameter Type 1: Authentication (deprecated).
- o Parameter Type 2: Capabilities ([\[RFC3392\]](#))

This document requests that IANA create and maintain a registry for OPEN message optional parameters.

2. Acknowledgements

Elwyn Davies pointed out that a registry for OPEN Options was needed.

3. IANA Considerations

This document requests that IANA create and maintain a registry for "BGP OPEN Optional Parameter Type", as discussed above. Values are to be allocated according to the "IETF Consensus" policy as defined in [[RFC5226](#)].

4. Security Considerations

This document introduces no security issues.

5. Normative References

- [RFC3392] Chandra, R. and J. Scudder, "Capabilities Advertisement with BGP-4", [RFC 3392](#), November 2002.

[RFC4271] Rekhter, Y., Li, T., and S. Hares, "A Border Gateway Protocol 4 (BGP-4)", [RFC 4271](#), January 2006.

[RFC5226] Narten, T. and H. Alvestrand, "Guidelines for Writing an

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IANA Considerations Section in RFCs", [BCP 26](#), [RFC 5226](#), May 2008.

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