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**A request to IETF / IANA to Allocate a 32bit Link-Local Prefix  
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Abstract

This draft requests IETF / IANA to assign the link local prefix  
fe80:1::/32.

Status of This Memo

This Internet-Draft is submitted in full conformance with the  
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## [1.](#) Definitions and Statements

The prefix of an IP address is formed by the  $n$  leftmost bits of the address. (in a left-to-right writing system).

## [2.](#) Terminology

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [RFC 2119](#) [[RFC2119](#)].

## [3.](#) Security Considerations

There can be security risks in the use of link-local addressed packets if they are not protected by technologies like IPsec. The risks are valid to all kinds of link-local addresses, be them fe80::/10 or fe80::/64.

## [4.](#) IANA Considerations

IANA is requested to assign fe80:1::/32.

## [5.](#) Contributors

Listed from 6man WG discussion.

## [6.](#) Acknowledgements

## [7.](#) Normative References

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", [BCP 14](#), [RFC 2119](#), DOI 10.17487/RFC2119, March 1997, <<https://www.rfc-editor.org/info/rfc2119>>.



## [Appendix A](#). ChangeLog

The changes are listed in reverse chronological order, most recent changes appearing at the top of the list.

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