Network Working Group
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Outer Header Translator - multihoming
draft-matsuhira-oht-mh-02

Abstract

This document describes how to achieve multihoming using OHT. This document describes both the use of provider addresses and provider independent addresses.

Requirements Language

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].

Status of This Memo

This Internet-Draft is submitted in full conformance with the provisions of BCP 78 and BCP 79.

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This Internet-Draft will expire on 7 January 2026.

Copyright Notice

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1. Introduction

This document describes how to achieve multihoming using OHT [I-D.matsuhira-oht]. This document describes both the use of provider addresses and provider independent addresses.

2. Network Configuration

This section describes multihoming configuration with OHT.

2.1. Multihoming with Provider Based Address

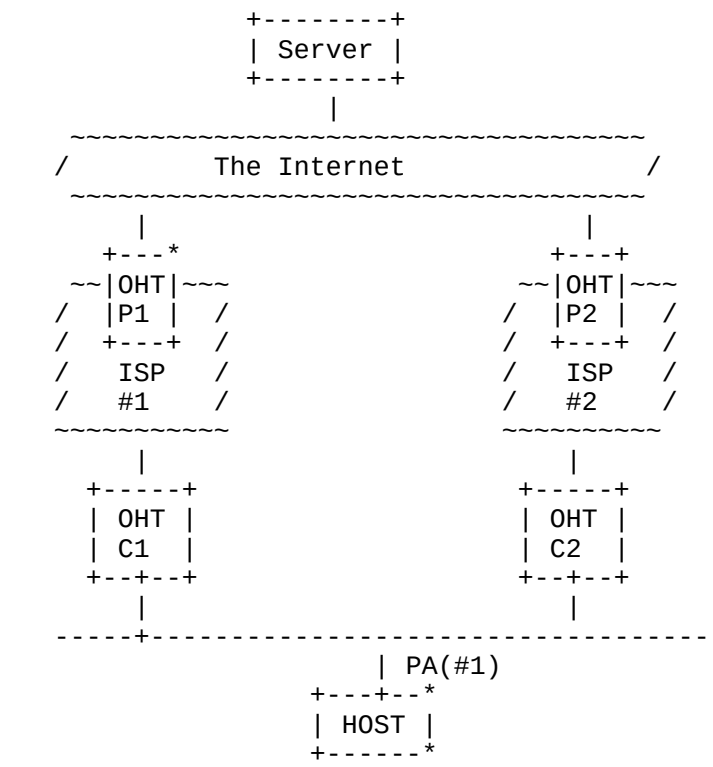


Figure 1

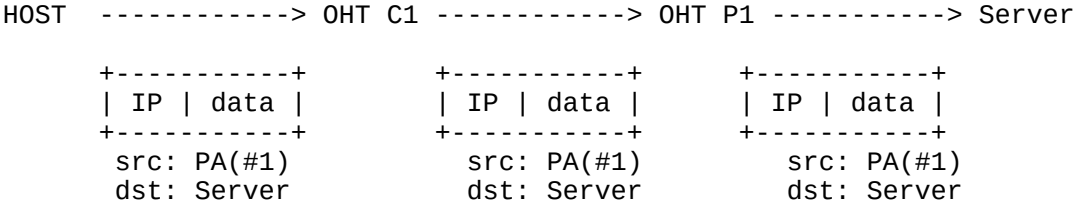


Figure 2

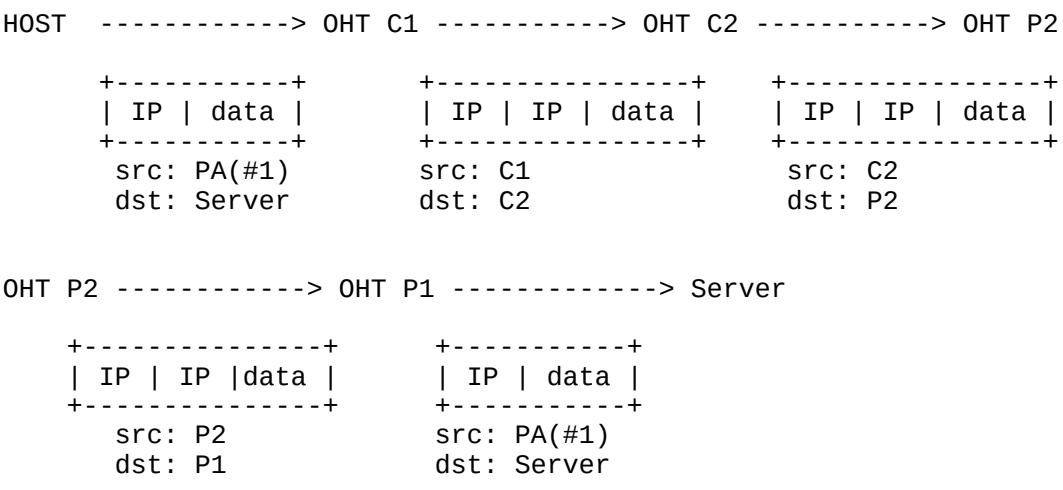
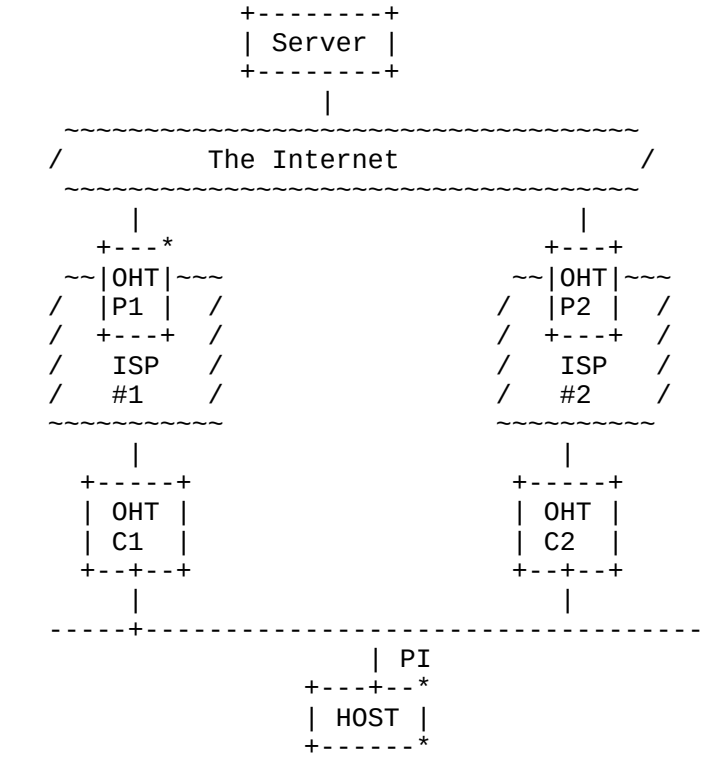


Figure 3

2.2. Multihoming with Provider Independent Address



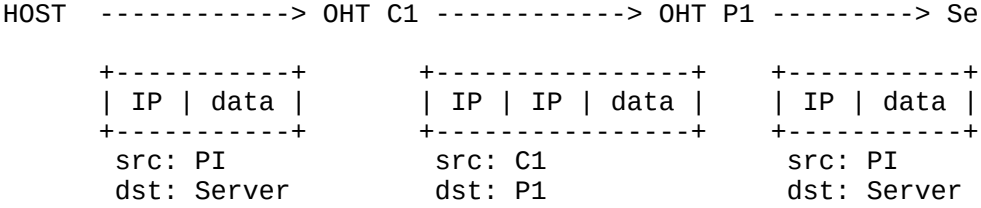


Figure 4

3. IANA Considerations

This document makes no request of IANA.

Note to RFC Editor: this section may be removed on publication as an RFC.

4. Security Considerations

IPsec for internal packets works because internal packets are forwarded unchanged.

5. Acknowledgements

It may be listed in the future.

6. References

6.1. Normative References

[I-D.matsuhira-oht] Matsuhira, N., "Outer Header Translator", Work in Progress, Internet-Draft, draft-matsuhira-oht-03, 2 March 2025, <https://datatracker.ietf.org/doc/html/draft-matsuhira-oht-03>.

[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>.

6.2. Informative References

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