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# RIFT in Dragonfly++ Topologies

## Abstract

RIFT support for dragonfly topologies as ToF interconnect.

## Requirements Language

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "NOT RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in BCP 14 [RFC2119] [RFC8174] when, and only when, they appear in all capitals, as shown here.

## 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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# 1. Introduction

RIFT today is limited to CLOS variant fabrics with some horizontal link exceptions. Given that interconnecting multiple CLOS via a dragonfly variant is an interesting topology (whether it's a full mesh or some kind of non-completely meshed regular lattice).

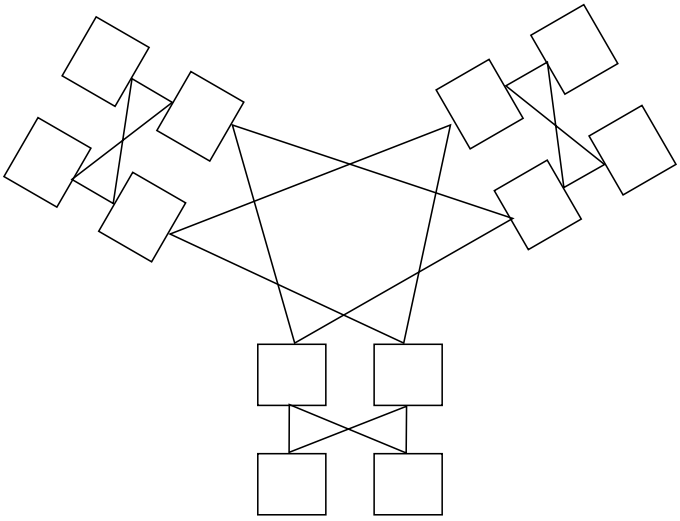
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*Figure 1: Topologically Connected Planes*

# 2. Glossary

The following terms are used in this document.

Horizon:

# 3. Forwarding Considerations

# 4. Route Computation

# 5. Special Considerations

# 6. IANA Considerations

This document requests allocation for the following RIFT codepoints.

# 7. Security Considerations

# 8. Acknowledgements

# 9. References

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