RIFT: Routing in Fat Trees Base Spec Update

IETF114

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What are the major upcoming changes?

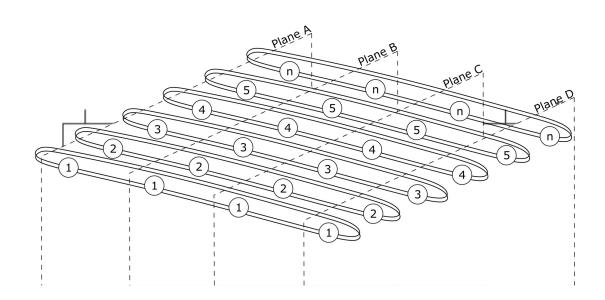
We're working through the two recent rounds of review from AD.

- Some of the ASCII diagrams aren't parallel with their SVG counterpart.
 - There aren't requirements for things to be exact, but they do need to be reasonably reflective of each other.
 - Things like textual references matching labels in the diagram.
- 2. Some of the diagrams require clarifying changes.
 - e.g. are TIEs flooding north on the whole fabric or just a specific link?
 - Some of this was related to XML2RFC's PDF rendering (which we're handling).

What do I mean by "not parallel"?

The images are quite different.

- SVG requirements are more should than SHOULD.
- Obviously, images do not have to be mirror copies (otherwise why not just use ASCII).
- Though they should be reasonably close.



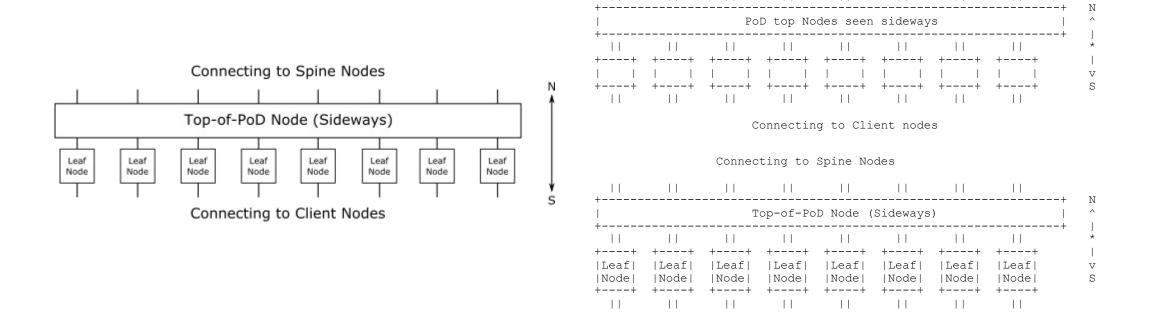
++======++		++======++			
II	II	II	II		
++	++	++	++		
ToF A1	ToF B1	ToF B2	ToF A2		
++-+-+	++-+-+	++-+-+	++-+-+		
++======++		++====	++======++		
			1 1		

~~~ Highlighted ToF of the previous multi-plane figure ~~

| [Plane A] . | [Plane B] | [Plane C] . | [Plane D] |
|-------------|-----------|-------------|-----------|
| +           |           | <br>        | +         |
| ++ .        | ++        | ++ .        | ++        |
| +-+ n +     | n +       | <br>+ n +   | + n +-+   |
| +++ .       | +-+++     | +-+++ .     | +++       |
| 1 .         |           | 11 .        | 11        |
| +           |           | <br>        | +         |
| ++    .     | ++        | ++    .     | ++        |
| +-+ 1 +     | + 1 +     | <br>+ 1 +   | + 1 +-+   |
| +++    .    | +-+++     | +-+++    .  | +-+++     |
|             |           | .           | 11 11     |
| .           |           |             |           |

### What do I mean by "not parallel"?

- Inconsistent labels: "PoD top Nodes" rather than "Top-of-PoD Node".
  - The latter properly aligns with the draft's text as well.
- Lack of labels: "Leaf Node".



Connecting to Spine

Connecting to Client Nodes

### What are the major upcoming changes?

We're working through the two recent rounds of review from AD.

- 3. Request for early IANA allocation for multicast addresses / UDP ports.
  - When -16 is submitted, we will request this from the chairs.
- 4. Various editorial suggestions for readability and clarity.
  - For example, adding additional pointers for important security sections in the Reader's Digest.
- 5. Reference adjustments (normative vs. informative).
- 6. A couple of areas warrant some discussion with AD.

### What are the major upcoming changes?

We're making a few other adjustments not directly related to AD review.

- I'll be added as the 6<sup>th</sup> co-author.
  - Discussed with AD, this requires a minor update to the shepherd write-up.
- 2. Minor update for Key/Value schema to reflect what's always been there per KV draft.
- Minor SVG improvements (scaling, text size, etc.)
  - No actual functional changes.
- 4. SVG / XML optimization to get around the 3M draft upload limit.
  - Avoids problematic PDF rendering when using xml2rfc --v3 draft-ietf-rift-rift-16.xml --pdf.
    - NOT the "pdfized" version that is now auto-rendered by Datatracker (which is essentially ASCII).
  - Will work the tools folks to get this limit adjusted.
  - Might also need to bug AD as necessary;)

# Thanks