OpenConfig in reality

Chris Luke / Comcast / NANOG 75
chris_luke@comcast.com
Myth:
Nobody uses OpenConfig except Google!

• False.
• Also false: OpenConfig development has not stalled.
• True that one leading member produced a significant amount of the OpenConfig modules, but not without significant collaboration with other operators.
• OpenConfig community has several other active network operator members; ISP’s and enterprises are represented.
• There are several production implementations across the members.
**Issue:**
OpenConfig has too many gaps in coverage!

- Corollary: “I’m waiting for OpenConfig to be complete/bigger/better.”
- It is true that OpenConfig does not cover every possible value that can be configured on/retrieved from devices.
- But it does not intend to – OpenConfig is very operator use-case driven.
- This means the things that operators require are the items that those operators model; development tends to be iterative.
- Important to work out how your use cases map to OpenConfig to properly identify the gaps.
Myth:
Vendors do not support OpenConfig!

• False.

• All the well-known vendors have some degree of OpenConfig support and some degree of commitment to expand this support.

• The implementation details vary, but in most cases involves on-the-device translation. One vendor can do this translation bidirectionally.

• Vendors need to hear from operators that there is interest in OpenConfig, and where to focus their attention.
Where next?

• Continue to work with the OpenConfig community to increase coverage for our use cases. Your help is welcome!
• Continue to work with vendors to increase their coverage of the models. Your help is welcome!

• Several projects in flight.
• If there’s interest, happy to discuss in more detail.
• We hope to present at a future NANOG with some more detailed operational experience.
Questions?