Developing a new Suzie Q Service

Suzie Q Community Meeting
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Goal

Add basic multicast collection data to Suzie Q. Want the time based state of multicast in a searchable format, similar to the other services that are already available.

Use Case

Distributed, site specific pollers and collectors for other Services in Suzie Q.
Also collecting routing and interface information.

TLDR;

- Relatively easy to add services once the requirements were determined.

Developer Experience

Relatively easy to get started using Poetry

Easier with Container lab

Excellent Tool, but needs more developer documentation

Other items:

- Tough: Normalization
- Hard: Testing
- Nice to have: Development Container

Documentation

What documentation can't be improved?

Helpful hints, but partially out of date, which might lead you down the wrong path.

Much, prompt, help on Slack.

Look forward to some updates as a result of this exercise.

Normalization

The service definition and data normalization was difficult.

- Jmespath like syntax

- Difficult data structures from different manufacturers

- Easier to use TextFSM and `_clean_<nos>` python

Testing

Lots of Existing Tests

- Integration: tests all services for new namespace
- new namespace may not have all services activated
- Commands to generate parquet data
- No commands to generate output fixtures