OPS Guidance for Non OPS Audience

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Problem 1: How do we Share our OPS Knowledge?

• How do we advice which OPS tools the community should be using?
  OPS tools = protocols and data models
  Example: NETCONF, SNMP, AAA, ping, syslog, IPFIX, etc.

• We have multiple management frameworks, as opposed to only one in the past: SNMP

• Audience: existing WGs

• OPS advisors and OPS ADs don’t scale
Problem 2: OPS Recommendations for Future Developments?

- Audience: new WG charters
- Message: It’s not about MIB module any longer!
  - Use cases and operational requirements
  - From there, select the right protocol and data model
Pieces of Information

  
  Appendix A: interesting questions for the operational requirements (used by OPS directorate)
- RFC 6632, An Overview of the IETF Network Management Standards.
  
  It's complete, but too long
  
  The appendices ask the right question
- draft-harrington-operations-and-management-01
- RFC 1052, IAB Recommendations for the Development of Internet Network Management Standards
  
  25 years old
  
  RFCbis would solve the problem 2
Problem 1: How do we share our OPS knowledge?

- Constraints
  - Must be simple
  - Must not too long (not a 50 pages document)
  - Can change on regular basis

- Solution: maybe a WIKI or a flow chart?
Configuration management?

Monitoring Included?

Monitoring?

Will you consider config in the future?

Extend an existing MIB module?

Deployed and used read-write MIB module

Good practice to start with an Information Model

NETCONF/YANG

Update the MIB module

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SNMP/MIB might be easier to start with: NETCONF/YANG is the future

Start with the information model
Discussion

- Do you agree on the two problem statements?
- How to solve them?
  - Is it too difficult, because the answer is always « it depends »?
  - Could we agree on flow charts?
Time for a discussion