Some thoughts on an ANIMA autonomic ecosystem and draft-carpenter-anima-asa-guidelines

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Recent changes to
draft-carpenter-anima-asa-guidelines

- None
- Very little feedback
- That's why we need to discuss the ecosystem

Why do we need an ecosystem?

- A deployable autonomic network needs more than an ACP and GRASP:
- It must achieve management goals that the NOC cannot achieve manually
  - Requires a library of ASAs (and of GRASP objective definitions)
  - Requires tools to deploy and oversee ASAs

We have some documents...

- **RFC7575 (Autonomic Networking: Definitions and Design Goals)**
- **draft-ietf-anima-reference-model (RFC queue)**
- **draft-ietf-anima-grasp-api**
- **draft-carpenter-anima-asa-guidelines**
- **draft-ciavaglia-anima-coordination**
- **draft-peloso-anima-autonomic-function**
- **RFC8368 (ACP for Stable Connectivity of OAM)**

...but no clear WG goals

- What ecosystem issues can the IETF tackle?
  - Missing standards?
  - Operational guidance
  - Implementation guidance?
- What ecosystem issues are out of scope for the IETF?
  - And who should be encouraged to deal with them?

Other IETF Work

- NETCONF and YANG in an AN?
  - NETCONF over ACP?
  - NETCONF over GRASP?
- Use MUDs for authorization in an AN?
- Concrete examples:
  - `draft-ietf-opsawg-model-automation-framework`
  - `draft-claise-opsawg-service-assurance-architecture`

Discussion + next steps

- Comments? Questions?