



IETF-91 (Hawaii) OPS Area Meeting

Chairs

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Last update: November. 7th, 2014

ANIMA WG

Charter (1)

IESG approved -21

- Adopt pragmatically the “Autonomic” work from NMRG.
- Scope/Goal: Reduce opex for
 - “professionally” managed networks.
- Strategy/Charter-Items:

Create near/mid term deployable benefits by defining reuseable components:

 1. a common way to identify nodes
 2. common security model
 3. discovery mechanism
 4. negotiation mechanism to enable closed-loop interaction
 5. secure and logically separated communications channel
 6. consistent autonomic management model

Charter (2)

IESG approved -21

- Charter-Item: “Reference” model

- “Glue between reusable components”

Not an architecture: Not meant to limit how components can be used, but describe how they can interact

- Autonomic Network Infrastructure (reusable components)
- Autonomic Agents
- “Intent” (network wide policy ↔ Autonomic Network)

Charter (3)

IESG approved -21

- Lot of community interest in Autonomic Agent functions
 - But charter team worry about creating a lot of them before having worked out reusable common components.
- Charter-Items: Validation drafts
 - Want to validate we have all necessary reusable components working together by defining “example” solutions:
 - Infra-only: stable-connectivity
 - Fundamental agent: IPv6 prefix management
- 1st meeting: More “validation” examples (autonomic agents) desired by community

Adjacencies

“Prefer reuse & adopt over (re)invent”

- NMRG
 - leverage results
 - [draft-irtf-nmrg-autonomic-network-definitions](#)
 - [draft-irtf-nmrg-an-gap-analysis](#)
- Homenet
 - “More” autonomic
 - more constrained use-case scope (“home”)
 - Bidirectional reuse of work desired
- Other applicable IETF work
 - Eg: [draft-ietf-netconf-zerotouch](#)

Proposals to WG

- Reuseable components:
 - [draft-behringer-anima-autonomic-control-plane](#)
 - [draft-carpenter-anima-gdn-protocol](#)
 - [draft-pritikin-bootstrapping-keyinfrastructures](#)
- Reference model
 - [draft-behringer-anima-reference-model](#)
- Validation:
 - [draft-eckert-anima-stable-connectivity](#)
 - [draft-jiang-anima-prefix-management](#)

Process

- ANIMA mail list (anima@ietf.org)
- Chairs anima-chairs@tools.ietf.org
- Next meeting
 - 92nd IETF, March 22-27, 2015, in Dallas, USA
 - Interim meeting may be arranged
- Milestone:
 - Mar 2015, adoption of initial drafts on AN components: Discovery and negotiation protocol(s), Bootstrap a trust infrastructure solution, Autonomic control plane solution
 - Competing proposals/drafts are encouraged
 - Proposals without IPRs may be favored over proposals with IPRs by the WG