

Anima IETF 93

Charter Discussion
Design Team Update

bootstrap design team

- <http://trac.tools.ietf.org/wg/anima/trac/wiki/WikiStart>

Click on: Bootstrap Design Team

(There is also the 'Signaling Design Team')

Bootstrap DT Charter scope

The Anima WG charter states a number of requirements for the security of protocols: (ALLCAPs text indicates what this design team brings to the anima charter)

- REQUIRE: discovery mechanism [from Signaling DT]
- OWN: "Bootstrapping a trust infrastructure" (from the charter)
- OWN: a common way to identify nodes to facilitate privacy and integrity of other ANIMA protocols
- CLARIFYING ADDITION: Identity of nodes is base layer of anima security model.
- CO-OWN A common security model
- CLARIFICATION: how zero-touch enrollment builds on top of bootstrapping (e.g. IEEE 802.1AR LDevID Key Infrastructure, local PKI)
- CLARIFICATION: how final device identity (e.g. LDevID) is used to become an active member of the autonomic domain.
- PROVIDE IDENTITY FOR: a negotiation mechanism to enable closed-loop interaction
- PROVIDE IDENTITY FOR: a secure and logically separated communications channel
- PROVIDE IDENTITY FOR: a consistent autonomic management mode

High level goals

The purpose of the bootstrap design team are as follows:

- Define "Bootstrapping a trust infrastructure" requirements, scope and flow.

Initially for what ANIMA itself needs, but also socialize this to other working groups and see if requirements of those groups going beyond ANIMAs requirements can also be included.

- Provide a normative definition of 'domain identity'
- Architectural model of the signaling workflows necessary to achieve this enrollment (both online, and "sneaker net")

Including a bright line for how/when bootstrap is complete

Including reasonable extensibility

- Actual protocol definitions/selections sufficient to implement an interoperable autonomic network.

Milestones

- COMPLETE: Deliver draft(s) that are sufficient for working group adoption that provide a framework for identity/security and bootstrap functions for autonomic networks according to the ANIMA charter and that can therefore integrate with the other building blocks, signaling and ACP: date 2015-07-06 cutoff (IETF93)
- IN PROGRESS, IETF94 goals:
- Formal bootstrapping requirements statements to be reviewed and approved with the working group.
- Formal presentation of approved requirements to other working groups ?
- Netconf-zero touch discussions to continue. Perhaps joint work on the document. (Existing alignment is high)

Join

- Just contribute to anima mailing list
- Join: Bootstrap mailing list
- There was an open call previously. Please only join if you're willing to commit to work items and regular meetings