

Towards ANIMA Phase 2

IETF 98 – ANIMA WG

Goals

1. Enable an ecosystem
 - For a set of actors (operators, vendors...)
 - To develop, deploy and use ANIMA technologies
2. Complement, augment the set of common functions

Approach

- **Conclude** “Phase 1” work
- **Prepare** “Phase2” work

Conclude Phase 1

- Publish chartered items
 - On the horizon...

- Making the current work deployable

NEW WORK

1. Open source implementations of production quality for secure bootstrap, ACP, and GRASP
2. GRASP API in various languages
3. ASA design and operation guidelines
4. Other suggestions?

- Enable the ecosystem

- Inform about availability of specifications and implementations
- Engage operators and other communities (e.g. research consortia)
- Organize interoperability events

Prepare Phase 2

- **Suggest** a list of items
 - Augment the function set
 - Not a closed list, not fixed items
 - Some items already presented / existing IDs
- **Engage** discussion on the evolution of the work
 - Identify items and their relationships
 - Prioritize
 - Recharter

Prepare Phase 2

NEW WORK

1. Intent
2. Information distribution
3. Reporting (and NOC interaction more generally)
4. AN domain boundary
5. ASA authorization
6. ASA design and operation guidelines (incl. life cycle)
7. ASA coordination/conflict resolution
8.?

Some additional aspects/issues...

- Virtualization considerations
- What about use cases...?
- Generic vs. Specific ASA, and how to make the difference...?
- Derive ANIMA Intent model from SUPA? What are the ANIMA specificities?

Discussion



Back-up slides

On coordination

- What's need to be standardized and recommendations on mechanisms to address different types of interactions.
- Cf presentation at IETF92 and follow-ups
<https://www.ietf.org/proceedings/92/slides/slides-92-anima-10.pdf>

On ASA design guidelines

- Cf presentation at IETF96 (and before), IETF97

<https://www.ietf.org/proceedings/96/slides/slides-96-anima-8.pdf>

<https://www.ietf.org/proceedings/97/slides/slides-97-anima-guidelines-for-autonomic-service-agents-00.ppt>

On Information distribution

- Cf presentation at IETF94 and follow-ups

<https://www.ietf.org/proceedings/94/slides/slides-94-anima-4.pdf>

On Intent

- Cf presentation at IETF93 and follow-ups

<https://www.ietf.org/proceedings/93/slides/slides-93-anima-6.pdf>