IETF-96 (Berlin)

ANIMA WG Meetings
(Autonomic Networking Integrated Model and Approach)

Monday, 18:00-20:00, Afternoon Session III, Potsdam II
Thursday, 16:20-18:20, Afternoon Session II, Potsdam III

Last update: July. 14th, 2016
Note Well

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Before begin the meeting

• Hope you noted the Note Well
• Blue sheets
• Need Jabber scribe(s)
• Need minutes takers
• Remote participation
  https://www.ietf.org/meeting/96/remote-participation.html
• Slides
  https://datatracker.ietf.org/meeting/96/materials.html#anima
Before begin the meeting

- Mailing List:
  anima@irtf.org
  https://www.irtf.org/mailman/listinfo/aniam

- WG co-chairs:
  - Sheng Jiang
  - Toerless Eckert

- WG web page:
  https://datatracker.ietf.org/wg/anima
Meeting Agenda

• Monday (July 18th, 2016) 2-hour session:
  18:00-20:00 Afternoon Session III, Potsdam II

1. WG Dash - 5 min
   18:00 - 18:05, by co-chairs

2. ANIMA Generic Signaling (Design team) - 30 min
   18:05 - 18:35, by Brian Carpenter, draft-ietf-anima-grasp

3. ANIMA Auto Bootstrapping (Design team) - 30 min
   18:35 - 19:05, by Max Pritikin, draft-ietf-anima-bootstrapping-keyinfra

4. Autonomic Control Plane - 20 min
   19:05 - 19:25, by Michael Behringer, draft-ietf-anima-autonomic-control-plane

5. AN Reference model - 35 min
   19:25 - 20:00, by Michael Behringer, draft-ietf-anima-reference-model

ANIMA WG
Meeting Agenda (Cont.)

- Thursday (July 21st, 2016) 2-hour session:
  16:20-18:20  Afternoon Session II, Potsdam III

1. On-site progress update for WG documents - 10 min
   16:20 - 16:30

2. * Information Distribution over GRASP - 20 min
   16:30 - 16:50, by Bing Liu, draft-liu-anima-grasp-distribution

3. * Autonomic Functions Coordination By The Example - 20 min
   16:50 - 17:10, by Laurent Ciavaglia, draft-ciavaglia-anima-coordination

4. * Autonomic Functions Life-cycle and Management - 20 min
   17:10 - 17:30, by Pierre Peloso, draft-peloso-anima-autonomic-function

5. * ANIMA Intent Policy - 20 min
   17:30 - 17:50, by Jeferson C Nobre, draft-du-anima-an-intent

6. * GRASP API - 20 min
   17:50 - 18:10, by Bing Liu, draft-liu-anima-grasp-api

7. Summary & ANIMA future activities - 5 min
   18:10 - 18:15, by co-chairs

* mean the non-chartered work items.

ANIMA WG
WG Milestone Status

• WG Documents
    Next Milestone: Apr 2016, Submit discovery and negotiation protocol(s) to IESG
  – draft-ietf-bootstrapping-keyinfrastructures 03 (Adopted Aug 2015)
    Next Milestone: Apr 2016, Submit bootstrap a trust infrastructure solution to IESG
  – draft-ietf-anima-autonomic-control-plane 03 (Adopted Aug 2015)
    Next Milestone: Sep 2016, Submit autonomic control plane solution to IESG
WG Milestone Status (2)

• Documents adopted since last meeting
    Next milestone: Sep 2016, Submit the two validation drafts to
    IESG (Informational)
    Next milestone: Sep 2016, Submit the two validation drafts to
    IESG (Informational)
    Next milestone: Dec 2016, Submit reference model to IESG
    (Informational)
ANIMA WG Info

• More discussion will be taken into ANIMA mail list (anima@ietf.org)
• Chairs can be reached by anima-chairs@tools.ietf.org
• Next meeting
  – 97th IETF, November 13-18, 2016, in Seoul, South Korea
  – Interim meeting may be arranged
• Next Chartered Milestone:
  – Apr 2016 Submit discovery and negotiation protocol(s) to IESG (Standards Track)
  – Apr 2016 Submit bootstrap a trust infrastructure solution to IESG (Standards Track)
• Proposals without IPRs may be favored over proposals with IPRs by the WG
Reading List

• **Background**
  – RFC7575, Autonomic Networking: Definitions and Design Goals
  – RFC7576, General Gap Analysis for Autonomic Networking

• **WG Documents**

ANIMA WG
Reading List (2)

• Individual Documents
  – draft-ciavaglia-anima-coordination
  – draft-ciavaglia-anima-knowledge
  – draft-du-anima-an-intent
  – draft-liu-anima-grasp-distribution
  – draft-liu-anima-grasp-api
  – draft-peloso-anima-autonomic-function
  – draft-richardson-anima-state-for-joinrouter
  – draft-strassner-anima-control-loops
Recharter

• In current charter, as milestone:
  – Dec 2016, recharter to refocus scope, or close

• We have been running second sessions as a forum for potential future work items
  – AN Intent, distribution, GRASP API, coordination, exchanging, …
  – Autonomic Service Agents

• Calling for more potential work items
Self-organizing in ETSI NGP

• ETSI NGP ISG
  – Next Generation Protocol Industry Specification Group

• Self-organizing Control & Management Planes (work item)
  – Calling individual contribution on autonomic
  – Introducing machine learning as mechanism for autonomic decision

ANIMA WG