IETF-98 (Chicago)  
ANIMA WG Meeting  
(Autonomic Networking Integrated  
Model and Approach)  

Monday, 13:00-15:00, Zurich A,  
Afternoon session I  

Friday, 9:00-11:00, Zurich A, Morning  
session I  

Last update: March. 30th, 2017  
ANIMA WG
Note Well

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ANIMA WG
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/98/remote-participation.html

• Slides
  – https://datatracker.ietf.org/meeting/98/materials.html#anima

ANIMA WG
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 (March 27th, 2017) 2-hour session: 13:00-15:00, Zurich A, Afternoon session I

1. WG Dash - 5 min
   13:00 - 13:05, by co-chairs

2. ANIMA Generic Signaling (Design team) - 15 min
   13:05 - 13:20, by Brian Carpenter, draft-ietf-anima-grasp

3. ANIMA Auto Bootstrapping (Design team) - 30 min

4. ANIMA Voucher Profile - 10 min

5. Autonomic Control Plane - 20 min
   13:50 - 14:10, by Toerless Eckert, draft-ietf-anima-autonomic-control-plane

6. AN Reference Model - 30 min
   14:10 - 14:50, by Michael Behringer, draft-ietf-anima-reference-model

7. Prefix Management in Large-scale Network - 10 min
   14:50 - 15:00, by Brian Carpenter, draft-ietf-anima-prefix-management

ANIMA WG
Meeting Agenda (Cont.)

- Friday (March 31st, 2017) 2-hour session: 9:00-11:00, Zurich A, Morning session I
  1. Open Discussion Towards ANIMA Phase 2 - 40 min  
     9:00 - 9:40, by Leading by WG chairs & Laurent Ciavaglia
  2. * ANIMA Intent - 15 min  
     9:40 - 9:55, by Laurent Ciavaglia, draft-du-anima-an-intent
  3. * GRASP API - 20 min  
     9:55 - 10:15, by Brian Carpenter, draft-liu-anima-grasp-distribution, draft-liu-anima-grasp-api
  4. * Guidelines for Autonomic Service Agents - 15 min  
     10:15 - 10:30, by Brian Carpenter, draft-carpenter-anima-asa-guidelines
  5. * Autonomic Slice Networking - Requirements and Reference Model - 25 min  
     10:30 - 10:55, by Alex Galis, draft-galis-anima-autonomic-slice-networking
  6. Summary & ANIMA future activities - 5 min  
     10:55 - 11:00, by co-chairs

* mean the non-chartered work items.
ANIMA Hackathon
@ IETF98, Chicago

• Inter-operation test on GRASP
  – Saturday (March 25th) & Monday (March 27th)

• Inter-operation test on Voucher & Bootstrap
  – Saturday (March 25th)
WG Milestone Status

• WG Documents

– draft-ietf-anima-gdn-protocol 04 (Adopted Aug 2015)
  Next Milestone: Apr. 2016, Submit discovery and negotiation protocol(s) to IESG
  Submitted to IESG for public, Feb. 2017

– draft-ietf-bootstrapping-keyinfrastructures 02 (Adopted Aug 2015)
  Next Milestone: Apr 2016, Submit bootstrap a trust infrastructure solution to IESG
  Submitted to IESG for public, May. 2017, Doc Shepherd assigned

– draft-ietf-anima-voucher (Adopted Jan 2017)
  Submitted to IESG for public, May. 2017, Doc Shepherd assigned

– draft-ietf-anima-autonomic-control-plane 02 (Adopted Aug 2015)
  Next Milestone: Sep 2016, Submit autonomic control plane solution to IESG
  Submitted to IESG for public, Apr. 2017, Doc Shepherd assigned
WG Milestone Status (2)

• Documents adopted since last meeting
    Next milestone: Sep 2016, Submit the two validation drafts to IESG (Informational)
    Submitted to IESG for public, Apr. 2017, Doc Shepherd assigned
  – draft-ietf-anima-prefix-management (Adopted Dec 2015)
    Next milestone: Sep 2016, Submit the two validation drafts to IESG (Informational)
    Submitted to IESG for public, Apr. 2017, Doc Shepherd assigned
    Next milestone: Dec 2016, Submit reference model to IESG (Informational)
    Submitted to IESG for public, Jun. 2017
Reading List

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

• WG Documents
  – draft-ietf-anima-grasp
  – draft-ietf-anima-bootstrapping-keyinfra
  – draft-ietf-anima-autonomic-control-plane
  – draft-ietf-anima-stable-connectivity
  – draft-ietf-anima-prefix-management
  – draft-ietf-anima-reference-model
  – Draft-ietf-anima-voucher
Individual documents

• draft-carpenter-anima-ani-objectives-01
• draft-carpenter-anima-asa-guidelines
• draft-du-anima-an-intent
• draft-galis-anima-autonomic-slice-networking
• draft-liu-anima-grasp-api
• draft-liu-anima-grasp-distribution
• draft-richardson-anima-6join-discovery
Potential Recharter

• In current charter, as milestone:
  – Dec 2016, recharter to refocus scope, or close
  – Likely to recharter around IETF99, Prague

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

• Calling for more potential work items
Other Relevant Work

• Self-organizing Control & Management Planes (work item #2) in ETSI NGP ISG
  – Next Generation Protocol Industry Specification Group
  – Self-organizing Control & Management Planes (work item)

• Intelligence-Defined Network
  – Intelligence for autonomic decision
  – Work item #6 in ETSI NGP ISG
  – idnet mail list in IETF
  – https://www.ietf.org/mailman/listinfo/idnet

• Network Management Research Group