IETF 98 Chicago

ALTO Chair Slides
IETF 98

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ALTO WG
March 31, 2017
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Chair Slides

- Status Quo
- Updated Milestones
- New Milestone on CDNI FCI
- Agenda bash
- Detailed progress overview with respect to charter items / milestones and current drafts
Status Quo of the WG

• Last physical meeting at IETF-96 (Berlin)
• No Virtual Interim Meeting in October 2016 (low interest)
• Steady progress on all Milestones
  – Mature WG item documents in most cases
  – But behind schedule: Updated deadlines for milestones (next slide)
    – Chairs would like to finish most milestones in the near future
• Some new work / use cases
  – Focus, however, is on finishing chartered items
Updated Milestones

Submit alternative server discovery document  Nov 2017
Submit partial updates document  July 2017
Submit server-initiated notifications document  July 2017
Submit endpoint property extension document  July 2017
Submit cost property extension document  March 2017
Submit network graph format document  Nov 2017
Submit alto service for CDNI FCI objects  Nov 2017
Recharter or dissolve working group  Nov 2017
New Milestone: ALTO Service for CDNI FCI

**Why?**

- Finalising work from the CDNI WG
  - CDNI is using ALTO for FCI Interface

**What needs to be done?**

- Specification of CDNI FCI JSON Object: RFC 8008 **DONE**
- Specification of Transport of FCI JSON Object
  - Objective: Defining a **NEW** Alto Service
    - ALTO CDNI FCI Map Media Type: application/alto-fcimap+json
    - Discussion on new ALTO service more ALTO-specific than CDNI work
    - ALTO WG to check that new ALTO service is compatible with *generic* extensions to the core ALTO protocol
- No objections during ALTO session at IETF96 nor on the mailing list → added new milestone (see previous slide)
Agenda

IETF 98, March 26-31, 2017 Chicago, USA
ALTO WG Meeting, Fri Mar 31, 2017 0900-1130 Montreux

0900 - 0915 15" Agenda bash and WG update (Chairs)

0915 - 0925 10" ALTO Performance Cost Metrics, Q. Wi

0925 - 0935 10" ALTO Contextual Cost Values, S. Randriamasy

0935 - 0945 10" ALTO Cost Calendar, S. Randriamasy

0945 - 0955 10" Multi-Cost ALTO, S. Randriamasy

0955 - 1025 30" ALTO Extension: Path Vector Cost Mode, D. Chen, R. Yang
https://datatracker.ietf.org/doc/draft-yang-alto-path-vector/

1025 - 1045 20" Traffic Optimization for ExaScale Science Applications, Q. Xiang

1045 - 1105 20" ALTO Extension: Flow-based Cost Query, J. Zhang

1105 - 1120 15" Extensible Property Maps for the ALTO Protocol, R. Yang

1120 - 1129 09" CDNI Footprint and Capabilities Advertisement, J. Seedorf

1129 - 1130 01" Wrap up / Other business
# Overview on Milestones

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Drafts</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submit alternative server discovery document</td>
<td>draft-kiesel-alto-xdom-disc</td>
<td>Authors need to submit WG item doc</td>
</tr>
<tr>
<td>Submit partial updates document</td>
<td>draft-ietf-alto-incr-update-sse</td>
<td>Very mature</td>
</tr>
<tr>
<td>Submit deployment considerations document to IESG as Informational</td>
<td>RFC7971</td>
<td>DONE</td>
</tr>
<tr>
<td>Submit server-initiated notifications document</td>
<td>draft-ietf-alto-incr-update-sse</td>
<td>Very mature</td>
</tr>
<tr>
<td>Submit endpoint property extension document</td>
<td>draft-roome-alto-unified-props-new</td>
<td>Quite mature → Adopt today?</td>
</tr>
<tr>
<td>Submit cost property extension document</td>
<td>draft-ietf-alto-multi-cost</td>
<td>DONE</td>
</tr>
<tr>
<td></td>
<td>draft-ietf-alto-cost-calendar</td>
<td>Very mature</td>
</tr>
<tr>
<td>Submit network graph format document</td>
<td>draft-yang-alto-path-vector</td>
<td>Quite mature → Adopt today?</td>
</tr>
</tbody>
</table>

RED: Presentation Today