Authentication and Authorization for Constrained Environment (ACE)

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Requests

• Jabber Scribe
• Minute Taker
• Blue Sheets
## Milestone Check

### Milestones

<table>
<thead>
<tr>
<th>Date</th>
<th>Milestone</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sep 2016</td>
<td>Submit &quot;Authentication and Authorization Solution&quot; specification to the IESG for publication as a Proposed Standard. draft-ietf-ace-oauth-authz</td>
<td></td>
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<tr>
<td>May 2016</td>
<td>Submit &quot;An Architecture for Authorization in Constrained Environments&quot; to the IESG for publication as a Informational RFC. draft-ietf-ace-actors</td>
<td></td>
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<tr>
<td></td>
<td>Submit &quot;Authentication and Authorization for ACE&quot; specification as a WG item.</td>
<td>Done</td>
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<tr>
<td></td>
<td>Optionally, submit &quot;Use cases and Requirements&quot; document to the IESG for publication as an Informational RFC. draft-ietf-ace-usecases</td>
<td>Done</td>
</tr>
<tr>
<td></td>
<td>Submit &quot;An Architecture for Authorization in Constrained Environments&quot; as a WG item. draft-gerdes-ace-actors</td>
<td>Done</td>
</tr>
<tr>
<td></td>
<td>Submit &quot;Use cases and Requirements&quot; as a WG item. draft-ietf-ace-usecases</td>
<td>Done</td>
</tr>
</tbody>
</table>
Agenda

* Agenda Bashing and Status Update (Chairs, 10 mins)
* Actors (Carsten Bormann, 5 mins)
* CBOR Web Token (Mike Jones, 15 mins)
* Authorization using OAuth 2.0 (Ludwig Seitz, 10 mins)
* ACE Profiles (Goran Selander, 20 mins)
* DTLS Profile for ACE (Carsten Bormann, 10 mins)
* CoAP Pub-sub Profile (Francesca Palombini, 15 mins)
* Ephemeral Diffie-Hellman Over COSE (John Mattsson, 15 mins)
* EST over secure CoAP (Peter van der Stok, 15 mins)
* Enrollment with Application Layer Security (Goran Selander, 15 mins)
  - https://www.ietf.org/id/draft-selander-ace-eals-00.txt
* Offline usage of ACE (Jintao Zhu, 15 mins)
  - https://datatracker.ietf.org/doc/draft-zhu-ace-offline/
* Wrap-up (Chairs, 5 min)
Status Update

• Security for Low-Latency Group Communication
  – Open Issues
    • Explicit set of requirements be defined and inserted into the scope
    • Restrict the scope of the problem to be solved
    • Transform into an ACE profile
    • Only asymmetric key multicast solution for IOT control