ALTO WG

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<tr>
<td>9:00</td>
<td>Administrivia</td>
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<tr>
<td>9:05</td>
<td>ALTO Protocol</td>
<td>Richard Yang (30’)</td>
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<td>9:35</td>
<td>Third-party ALTO Server Discovery</td>
<td>Martin Stiemerling (10’)</td>
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<td>ALTO Server Discovery Based on Well-known IP</td>
<td>Reinaldo Penno (10’)</td>
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<td>Way Forward for ALTO Extensions</td>
<td>Chairs/AD (10’)</td>
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<td>10:05</td>
<td>Wrap Up</td>
<td>Chairs (5’)</td>
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Accomplishments since Atlanta

- Protocol draft updated with AD comments and community comments.
- Will call for a second WGLC on protocol document before Publication Requested.
- draft-ietf-alto-server-discovery being shepherded (token: vkg).
  - 2nd WGLC finished; no issues raised for IPR.
  - Estimated time to Publication Requested: 1 week after Orlando IETF.
(Proposed) Protocol Extensions

Tools/Functions
- Server-to-client Notifications
- Incremental Updates
- Websockets-based
- JSON patch vs. ALTO ext.
- Network Function Virtualization
- Orchestrator
- Need 2-way interactions
- S/B Interface to I2RS
- High BW Applications
- DC Selection
- Exploit Filtering
- Collection of DC Resource Info
- e.g. CDN/P2P
- DC
- e.g. resource availability

Endpoint Prop. Extensions
- SDN Controller Interface
- DC Topology Awareness
- Exposure of PoP
- Coarse-grained Net State
- CDN 3rd-party Monitoring
- Endpoint Properties to Mobile devs
- e.g. block placement
- e.g. task placement
- Topology Monitor
- e.g. avoiding per-app measurements
- e.g. non-measurable info

Path Cost Extensions
- Simple Extensions
- Hadoop/MapReduce T/A