

IETF 115 [Hybrid]

ALTO

Working Group

Chairs:

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- Online Agenda and Slides: <https://datatracker.ietf.org/meeting/115/session/alto>
- Data tracker: <http://datatracker.ietf.org/wg/alto/>
- Tools: <http://tools.ietf.org/wg/alto>
- Notes: <https://codimd.ietf.org/notes-ietf-115-alto>

Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:

- By participating in the IETF, you agree to follow IETF processes and policies.
- If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.
- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (<https://www.ietf.org/contact/ombudsteam/>) if you have questions or concerns about this.

Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- BCP 9 (Internet Standards Process)
- BCP 25 (Working Group processes)
- BCP 25 (Anti-Harassment Procedures)
- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
- BCP 79 (Patents, Participation)
- <https://www.ietf.org/privacy-policy/> (Privacy Policy)
- <https://www.ietf.org/about/groups/iesg/statements/statement-on-restricting-access/> (access policy)

Also see: <http://www.ietf.org/about/note-well.html>:

IETF Conduct Guidelines

- The IESG has asked all chairs to remind their working groups of the need for appropriate behavior. This is described in more detail in BCP 54. In summary:
 - IETF participants extend respect and courtesy to their colleagues at all times.
 - IETF participants have impersonal discussions.
 - IETF participants devise solutions for the global Internet that meet the needs of diverse technical and operational environments.
 - Individuals are prepared to contribute to the ongoing work of the group.

Administrative

The session is recorded

- **Meetecho**

- Using meetecho queue control
 - Enter the queue by pressing the raise hand 🙋 leave with 🙋
 - Speak using 🎤 , stop with 🎤
- Chat/Jabber available for use
- Bluesheets

- **Note taking**

- <https://codimd.ietf.org/notes-ietf-115-alto>
- Please help with minute taking (only discussion needs to be captured)

- Online Agenda and Slides at:

<https://datatracker.ietf.org/meeting/115/session/alto>

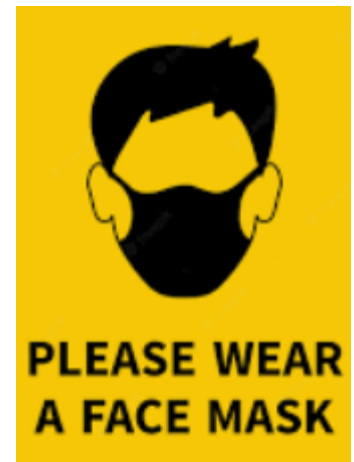
- Session Participant Guide:

<https://www.ietf.org/how/meetings/technology/meetecho-guide-participant/>

- Data tracker: <http://datatracker.ietf.org/wg/alto/>

- Jabber: <xmpp:alto@jabber.ietf.org?join>

- Tools: <http://tools.ietf.org/wg/alto>



Agenda

Introduction

- Chairs (5 minutes)
- Session Intro & WG Status

Chartered items:

- ALTO over New Transport (30 minutes)
<https://tools.ietf.org/html/draft-ietf-alto-new-transport-03>
<https://tools.ietf.org/html/draft-schott-alto-new-transport-push-00>
Discussion Leader: Roland Scott/Richard YANG

- ALTO OAM Support (15 minutes)
<https://tools.ietf.org/html/draft-ietf-alto-oam-yang-02>
Discussion Leader: Jensen Zhang/Dhruv Dhody

Deployment experience Update:

- CERN / LHCONe / ESnet/TCDN ALTO Deployment Update (30 minutes)
<https://github.com/ietf-wg-alto/wg-materials>
Discussion Leader: Jordi Ros Giralt/Kai Gao/Luis Contreras

Non-Chartered items:

- Service Edge Determining (8 minutes)
<https://tools.ietf.org/html/draft-contreras-alto-service-edge-06/>
Discussion Leader: Luis Contreras

- MoWIE for Network Aware Application (8 minutes)
<https://tools.ietf.org/html/draft-huang-alto-mowie-for-network-aware-app-05/>
Discussion Leader: Yuhang Jia

- Bottleneck Structure Graphs in Multidomain Networks (8 minutes)
<https://tools.ietf.org/html/draft-giralt-yellamraju-alto-bsg-multidomain-00>
Discussion Leader: Jordi Ros Giralt

- Database-based Open Resource Service Framework, Usecase and Requirements (8 minutes)
<https://tools.ietf.org/html/draft-zhou-alto-dbors-framework-00/>
<https://tools.ietf.org/html/draft-zhou-alto-dbors-requirement-usecase-00/>
Discussion Leader: Dongyu Yuan/Fenlin Zhou

Document Updates: RFCs, IESG Processing, WGLC, New Adoptions

- New RFC:
 - RFC9275 (draft-ietf-alto-path-vector)
 - RFC9274 (draft-ietf-alto-cost-mode)
- RFC Editor's Queue
 - draft-ietf-alto-performance-metrics
- WG Draft:
 - draft-ietf-alto-oam-yang
 - draft-ietf-alto-new-transport
 - Split into 4 components (base model, long client polling, put, push promise) and classify them into 2 category (version independent vs version dependent)
 - Push promise, version dependent is moved to a separate draft

Milestones Status Update

Ongoing Milestones:

- **Sept** 2022: Send ALTO new Transport to IESG for publication
- **Dec** 2022: Send ALTO YANG Model to IESG for publication
- **Dec** 2022: ALTO deployment and challenges documentation

Done Milestones:

April 2022: Send Cost Modes Specification to IESG for publication

Socializing ALTO

- More dissemination effort
- A collective effort is needed to share the contributions of ALTO with operators and application developers
- We have sought volunteers to:
 - Build an ALTO tutorial
 - Presented in OPSAREA and MOPS, CERN/LHCONE/ESNET,etc
 - Present again in IETF 115 MOPS session
- A paper on ALTO tutorial and WG status update has been submitted to the Internet Protocol Journal
- More visibility and increase use of the ALTO software packages
 - IETF Hackathon and Happy Hour
 - Telefonica ALTO Deployment
 - Integration ALTO with CERN/LHCONE/ESNET