



WIMSE

IETF121 Dublin

Welcome and Chair Updates

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)

Welcome to WIMSE!



Workload
Intity in
Multi-
System
Environments



Agenda

- **Welcome and Chair Update** (5 mins) - Chairs
- **“Why are We Here”** (15 mins) - Brian
- **Architecture** (20 minutes) - Joe
- **Service-to-service** (20 minutes) - Joe/Brian/Yaron/Arndt
- **Token Exchange** (20 minutes) - Dean
- **Informational/BCP** (20 minutes) - Arndt
- **Authentication Maturity Levels** (10 minutes) - Ryan
- **Any other business** (10 minutes) - Chairs

Chair Updates



Pieter now works at SPIRL



Justin now works at UberEther

In practical terms, nothing changes.

*We're both still fully committed to
enabling this working group.*



Working Group Resources

- Mailing list: wimse@ietf.org
- GitHub: <https://github.com/ietf-wg-wimse>
- Website: <https://ietf-wg-wimse.github.io/>

Workload Identity in Multi-System Environments

The IETF Workload Identity in Multi-System Environments (WIMSE) working group addresses authentication and identity challenges in distributed microservices architectures. WIMSE focuses on defining standardized solutions for managing workload identities and secure communication between services.








Key Objectives:

- Develop a unified architecture for securely managing workload identities.
- Create token-based solutions to authenticate and secure REST/HTTP communications between workloads.
- Ensure interoperability across diverse platforms.
- Collaborate with other IETF working groups and external organizations to ensure cohesive standards.

Most collaboration in the working group is via the mailing list.

For more information about IETF, visit the [official IETF website](#).

Links

 Working Group Charter	 Join Mailing List	 Mailing List Archives	 Draft Documents
 Meetings	 IETF Meeting Recordings <ul style="list-style-type: none">• IETF 119• IETF 120	 GitHub	

Contact

Email: wimse-chairs@ietf.org

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Email: wimse-chairs@ietf.org

Thank you, Daniel!

The Workload Identity in Multi System Environments (WIMSE) working group of the IETF is chartered to work on workload security and identity problems and solutions.

Find more information on the [IETF Working Group Page](#), and our repositories on [GitHub](#).

(it could have been so much worse...)



Current WG Documents

- WIMSE Architecture
 - <https://github.com/ietf-wg-wimse/draft-ietf-wimse-arch>
 - <https://www.ietf.org/archive/id/draft-ietf-wimse-arch-02.html>
- OAuth Client Authentication BCP
 - <https://github.com/ietf-wg-wimse/draft-ietf-wimse-workload-identity-bcp>
 - <https://www.ietf.org/archive/id/draft-ietf-wimse-workload-identity-bcp-01.html>
- WIMSE Service to Service Authentication
 - <https://github.com/ietf-wg-wimse/draft-ietf-wimse-s2s-protocol>
 - <https://www.ietf.org/archive/id/draft-ietf-wimse-s2s-protocol-01.html>



Other Ongoing Work

- Discussions in WIMSE
 - Token Translation
 - Authorization Levels
- Discussions Elsewhere
 - Transaction Tokens
 - Identity Chaining
 - Proof of Issuer Key Authority (PIKA)



<https://ietf-wg-wimse.github.io/>