

Computing-Aware Traffic Steering (cats) IETF 121, Dublin

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6th Meeting of CATS WG

IETF 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)

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.
 - 2. IETF participants have impersonal discussions.
 - 3. IETF participants devise solutions for the global Internet that meet the needs of diverse technical and operational environments.
 - 4. Individuals are prepared to contribute to the ongoing work of the group.

Meeting Administrivia

• We have three chairs as a short-term measure until NomCom have made their choices

Meetecho:

- We are using Meetecho queue control
- Chat available for use via Meetecho/Zulip

Note taking:

- <u>https://notes.ietf.org/notes-ietf-121-cats</u>
- Cheng Li will take minutes, but...
 - Please help with minute taking
 - Please check that your comments are recorded correctly
- Session Materials: https://datatracker.ietf.org/meeting/121/session/cats
- Data tracker: http://datatracker.ietf.org/wg/cats/
- Zulip: https://zulip.ietf.org/#narrow/stream/cats



Meeting Tips



In-person participants

- Make sure to sign into the session using the Meetecho (usually the "onsite tool" client) from the agenda
 - https://meetings.conf.meetecho.com/onsite121/?group=cats&short=&item=1
- Use Meetecho to join the mic queue
- Keep audio and video off at all times

Remote participants

- Use of a headset is strongly recommended
- Make sure your audio and video are off until it is your turn to speak

Deliverables & Milestones

- All drafts are welcome
 - Post them in the Datatracker
 - Discuss them on the list
- Solutions drafts in other working groups
 - All protocol work is fine if it has use cases and motivation
- Our focus must be on our deliverables and milestones
- Milestones are very clear...

Date	Milestone		
Jul 2023	Adopt the CATS Problem Statement, Use Cases, Gap Analysis, and Requirements documents		
Jul 2024	Adopt the CATS Framework and Architecture document	Done	
Mar 2025	Adopt document describing CATS metrics (NEW)		
Nov 2025	Submit the CATS Framework and Architecture document to the IESG for publication as Informational		
Mar 2026	Submit document describing CATS metrics to the IESG for publication as Informational (NEW)		

Meeting Goals

- Consolidate the Use Cases: Decide whether a set of individual use cases are:
 - overlapping with the ones already included in the CATS adopted document,
 - worth to be covered in the CATS documents, or
 - to be abandoned

Clarify how the requirements are derived from the various use cases

Agree on a plan for the metrics item

Agenda

Slot	Topic	Presenters
5 min	Agenda Bashing & Introduction	Chairs
45 min	CATS Use Cases & Requirements	Kehan/Jaehoon/Luis/Tianji
15 min	CATS Framework	Cheng
45 min	CATS Metrics Discussion	Kehan/Jordi
10 min	Flash Teasers	Cuicui/Meiling/Daniel/Cheng

Flash Teasers

• Quick introduction to some individual I-Ds

Presenters to justify how their document fits the WG charter

• Items that are not covered by the charter won't be granted slots in future meetings

Detailed Agenda

Slot	Start	Duration	Information	Presenter
1	13:00	5 mins	Title: Meeting admin	Chairs
2	13:05	45 mins	Title: CATS Use Cases and Requirements	
2.1	13:05	10 mins	Title: Status update Draft: draft-ietf-cats-usecases-requirements	Kehan Yao
2.2	13:15	15 mins	Title : Clarify the requirements and how these are derived/applicable to the various Use Cases Draft : draft-ietf-cats-usecases-requirements	Kehan Yao
2.3	13:30	20 mins	Title: Discussion about how use cases in I-Ds are overlapping with existing UCs/have to be captured Draft: draft-jeong-cats-its-use-cases Draft: draft-jiang-cats-usecase-5gedge Draft: draft-lcmw-cats-midhaul Discussion 5mins 5mins	Jaehoon Jeong Tianji Jiang Luis M.Contreras All
3	13:50	15 mins	Title: CATS Framework Draft: draft-ietf-cats-framework	Cheng Li
4	14:05	45 mins	Title: CATS Metrics Discussion	
4.1	14:05	15 mins	Title : CATS Metric Description and Definition Drafts : draft-ysl-cats-metric-definition	Kehan Yao
4.2	14:20	10 mins	Title : Joint Exposure of Network and Compute Information for Infrastructure-Aware Service Deployment Draft : draft-rcr-opsawg-operational-compute-metrics	Jordi Ros Giralt
4.3	14:30	20mins	Plan for the WG	Chairs & All

Agenda 2 of 2

Slot	Start	Duration	Information	Presenter
5	14:50	10 mins	Flash Teasers (1-slide)	
5.1		2 mins	Title : Security Considerations for Computing-Aware Traffic Steering Draft : draft-wang-cats-security-considerations	Yu Fu
5.2		2 mins	Title : A mechanism of security monitoring and management for service resources in Computing-Aware Traffic Steering (CATS) Draft : draft-lu-cats-smam-security	Meiling Chen
5.3		2 mins	Title : Microloop Prevention in a Hierarchical Segment Routing Solution for CATS Draft : draft-yuan-cats-hierarchical-loop-prevention	Daniel Huang
5.4		2 mins	Title : Analysis for Multiple Data Plane Solutions of Computing-Aware Traffic Steering Draft : draft-fu-cats-muti-dp-solution	Daniel Huang
5.5		2 mins	Title : Flow-Level Load Balancing of Computing-Aware Traffic Steering (CATS) Draft : draft-fu-cats-flow-lb	Daniel Huang
5.6		2 mins	Title: CATS BGP Extension Draft: draft-ll-idr-cats-bgp-extension	Cheng Li
6		/	Title: Open Discussion and Next Steps	Chairs and All