DORMS Cluster

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Overview

- Cluster of three WG documents:
  - draft-ietf-mboned-dorms-06
  - draft-ietf-mboned-cbacc-05
  - draft-ietf-mboned-ambi-04
- Mostly driven by Jake Holland
- Have been inactive for a few years now
- Close to done, so idea is to get them over the line
- https://github.com/GrumpyOldTroll/ietf-dorms-cluster

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Overview – DORMS

- Discovery Of Restconf Metadata for Source-specific multicast
- Use reverse DNS of multicast sender IP to find DORMS server
- DORMS server provides Metadata about Multicast channel
- Using Restconf for retrieval
- Metadata is extensible, none defined in this doc
- Acts as core for the other two docs

Overview – CBACC

- Circuit Breaker Assisted Congestion Control
- Network circuit breaker as described in RFC8084
- Allows intermediate nodes to prune multicast channels to adhere to limits
- Uses bitrate metadata provided by DORMS

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Overview – AMBI

- Asymmetric Manifest Based Integrity
- Ability to verify the integrity of packets received on a multicast channel
- DORMS provides pointer to AMBI server
- Secure connection between AMBI server and receiver
- Secure connection used to send hashes
- Check integrity of packets received through multicast against hashes

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State of Documents – DORMS

- Has been mostly finished for a while
- Jake had called for WGLC, not enough responses
- Closed 8 outstanding issues since then
- Ready to go to WGLC from our side

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State of Documents – CBACC

- Needs more work before WGLC
- 7 open issues on Github (maybe more to come)
- 2 Sections TBD (Oversubscription thresholds & most of Security Considerations)
- 2 Recent reviews:
  - TSVART & OPSDIR (Thanks Tina & Brian)
  - Needs fleshing out and concretization
  - Make mapping to 8084 more clear
  - Choice of timescale important for trigger function
- CBACC will likely be of interest to CCWG, when issues are fixed will present there
- Will aim to have a complete version by IETF 124

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State of Documents – AMBI

- Needs significant work before WGLC
- 7 open issues on Github, definitely more to come
- Bigger problem:
  - In our opinion, AMBI depends on Multicast security draft
  - Kyle will present later
  - We will continue to work on AMBI while also trying to push
- Will aim to have a complete version by IETF 125 or maybe 126

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Next steps

- DORMS → WGLC?
- CBACC → Incorporate reviews, present at CCWG@IETF124
- AMBI → Keep fleshing out while pushing multicast security draft (See Kyles presentation)

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