

DDoS Open Threat Signaling WG (DOTS)

IETF 97
Seoul

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Note Well

This summary is only meant to point you in the right direction, and doesn't have all the nuances.

The IETF's IPR Policy is set forth in **BCP 79**; please read it carefully.

The brief summary:

- **By participating with the IETF, you agree to follow IETF processes.**
- **If you are aware that a contribution of yours (something you write, say, or discuss in any IETF context) is covered by patents or patent applications, you need to disclose that fact.**
- **You understand that meetings might be recorded, broadcast, and publicly archived.**

For further information, talk to a WG chair, ask an Area Director, or review the following:

- BCP 9 (on the Internet Standards Process)
- BCP 25 (on the Working Group processes)
- BCP 78 (on the IETF Trust)
- BCP 79 (on Intellectual Property Rights in the IETF)

Administrative Tasks

- Blue sheets
- Jabber scribe
- Note taker

Agenda

1. Note well, logistics and introduction (chairs, 5 min)

2. Use Case Discussion (15 min)

- draft-ietf-dots-use-cases-03 (Roland Dobbins, 10 min)
- Additional use cases discussion (5 min)

3. Requirements Discussion (10 min)

- draft-ietf-dots-requirements-03 (Andrew Mortensen, 5 min)
- Additional requirements discussion (5 min)

4. Architecture Discussion (10 min)

- draft-ietf-dots-architecture-01 (Andrew Mortensen, 5 min)
- Additional architecture discussion (5 min)

5. Data and Information Model(s) Discussion (15 min)

- draft-andreasen-dots-info-data-model-01 (Flemming Andreasen, 10 min)
- Additional discussion (5 min)

6. Protocol Drafts (40 min)

- draft-teague-dots-protocol-01 (Andrew Mortensen and Nik Teague, 15 min)
- draft-doron-dots-telemetry-00 (Frank Xia, 15 min)
- draft-reddy-dots-signal-channel-04 (Flemming Andreasen, 10 min)

7. Related Work (10 min)

- draft-moskowitz-dots-identities-00 (Robert Moskowitz, 10 min)

8. Open Mic (10 min)

9. Closing (chairs, 5 min)

Status

- Meetings since IETF 96
 - Virtual Interim Meeting – September 27
 - <https://datatracker.ietf.org/meeting/interim-2016-dots-02/session/dots>
 - Design Team Meetings
 - November 15 – Use Cases
 - November 17 – Protocols and Information/Data Models
- 3 Updated WG drafts
 - draft-ietf-dots-use-cases-02
 - draft-ietf-dots-requirements-03
 - draft-ietf-dots-architecture-01
- 2 Updated individual drafts
- 7 New individual drafts

Summary of Use Cases (UCs)

Draft	Comment
draft-ietf-dots-use-cases-03	Consolidated use cases from the WG
draft-nishizuka-dots-inter-domain-usecases-02	Additional inter-domain use cases
draft-doron-dots-telemetry-00	Additional telemetry use cases (under discussion)

UC Design Team Meeting, 11/15/2016

- Integrate UCs from individual drafts into the WG document
- Publish an -03 as soon as possible

Summary of Information Models

Draft	Comment
draft-andreasen-dots-info-data-model-01	Information model for existing use cases (per draft-ietf-dots-use-cases-02)
draft-doron-dots-telemetry-00	Information model for telemetry data

Summary of Solutions

Draft	Signal Channel		Data Channel		
	Protocol	Encoding	Protocol	Encoding	
draft-fu-dots-ipfix-extension-01			IPFIX	IPFIX	
draft-reddy-dots-data-channel-01			CoAP/TLS	JSON	
draft-reddy-dots-signal-channel-04	CoAP/ TLS/DTLS	CBOR			
draft-francois-dots-ipv6-signal-option-01	IPv6	IPv6 option			
draft-nishizuka-dots-inter-domain-mechanism-01	HTTP/TLS	JSON	HTTP/TLS	JSON	
draft-teague-dots-protocol-01	DTLS	protbuf	HTTP/1.1/TLS HTTP/2 QUIC	JSON	
draft-mortensen-dots-over-udp-00	DTLS				

Legend: Draft Updated Since IETF 96 | Draft Not Updated Since IETF 96

Solutions Design Team Meeting, 11/17/2016

- Solutions teams present:
 - draft-reddy-dots-{data, signal}-channel
 - draft-nishizuka-dots-inter-domain-mechanism
 - draft-teague-dots-protocol
- Agreement on significant overlap in data models and on protocol choice for data channel
- In next revision of above drafts, move implicit information models (IM) into a single, separate IM draft
- Recommended “Draft Architecture”
 - Information model draft
 - Per channel (signal, data) application protocol drafts
 - Transport protocol drafts (more than one?)
- Consider applicability of NETCONF/RESTCONF in the data channel

Current Milestones

Date	Milestone
<i>November 13-18, 2016</i>	<i>IETF 97 (Seoul)</i>
Nov 2016	Use case document to WGLC
Nov 2016	Requirements document to WGLC
Nov 2016	Architecture document to WGLC
<i>Late January 2017</i>	<i>Virtual Interim Meeting</i>
<i>March 26-31, 2017</i>	<i>IETF 98 (Chicago)</i>
Mar 2017	Data model document as proposed standard to IESG
Mar 2017	Transport document as proposed standard to IESG
<i>July 16-21</i>	<i>IETF 99 (Prague)</i>
<i>November 12-17, 2017</i>	<i>IETF 100 (Singapore)</i>

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Discussion