DDoS Open Threat Signaling
WG (DOTS)

November 14, 2017
IETF 100, Singapore

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Tobias Gondrom
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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-09 (Roland Dobbins*, 10 minutes)
   - Use case discussion (5 min)
3. Requirements Discussion (15 min)
   - draft-ietf-dots-requirements-07 (Andrew Mortensen*, 10 minutes)
   - Requirements discussion (5 min)
4. Architecture Discussion (25 min)
   - draft-ietf-dots-architecture-05 (Andrew Mortensen*, 10 min)
   - draft-boucadair-dots-multihoming-02 (Mohamed Boucadair*, 10 min)
   - Additional architecture discussion (5 min)
5. Protocol Discussion (55 min)
   - Hackathon activity report (Kaname Nishizuka, 15 min)
   - draft-ietf-dots-signal-channel-07 (Mohamed Boucadair*, 30 min)
     draft-ietf-dots-data-channel-07
   - draft-boucadair-dots-server-discovery-03 (Mohamed Boucadair*, 10 min)
6. Closing (chairs, 5 min)

* Remote Presenters
Status Since IETF 99

Virtual Interim Meeting
- October 2, 2017
The aim of DDoS Open Threat Signaling (DOTS) is to develop a standards based approach for the realtime signaling of DDoS related telemetry and threat handling requests and data between elements concerned with DDoS attack detection, classification, traceback, and mitigation.

DOTS in GitHub

The working group authors use the dotswg project in github for working versions of the documents and to track issues. Each document uses a distinct repository.

- draft-ietf-dots-use-cases (Issues)
- draft-ietf-dots-requirements (Issues)
- draft-ietf-dots-architecture (Issues)
- draft-ietf-dots-signal-channel (Issues)
- draft-ietf-dots-data-channel (Issues)

Implementations

The following are implementations of DOTS.

<table>
<thead>
<tr>
<th>Name</th>
<th>Language</th>
<th>Role</th>
<th>Signal Version</th>
<th>Data Version</th>
<th>Comments/Features/Limitations</th>
</tr>
</thead>
<tbody>
<tr>
<td>go-dots (NTT)</td>
<td>Go</td>
<td>Client+Server</td>
<td>-06</td>
<td>-02</td>
<td></td>
</tr>
<tr>
<td>NCC Group</td>
<td></td>
<td>Client+Server</td>
<td>-06</td>
<td>?</td>
<td></td>
</tr>
</tbody>
</table>

If you are an Implementer please let the working group know about your work and any issues you've found with the drafts by sending comments to the mailing list.

Public Test Servers

The following are public test servers for DOTS.

<table>
<thead>
<tr>
<th>Name</th>
<th>Signal Version</th>
<th>Data Version</th>
<th>URL</th>
<th>Comments/Features/Limitations</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCC Group</td>
<td>-06</td>
<td>?</td>
<td>dotsserver.ddos-secure.net:5684 and :4646</td>
<td>documentation</td>
</tr>
</tbody>
</table>
## Current Milestones

<table>
<thead>
<tr>
<th>Date</th>
<th>Milestone</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 2017</td>
<td>Use case document to WGLC</td>
</tr>
<tr>
<td>July 2017</td>
<td>Requirements document to WGLC</td>
</tr>
<tr>
<td>September 2017</td>
<td>Architecture document to WGLC</td>
</tr>
<tr>
<td>November 12-17, 2017</td>
<td><em>IETF 100 (Singapore)</em></td>
</tr>
<tr>
<td>December 2017</td>
<td>Data channel document to WGLC</td>
</tr>
<tr>
<td>December 2017</td>
<td>Signal channel document to WGLC</td>
</tr>
<tr>
<td>March 18-23, 2017</td>
<td><em>IETF 101 (London)</em></td>
</tr>
</tbody>
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