draft-ietf-dots-use-cases-01 Summary

- Provides example use-cases for DOTS (actually, categories).
- All examples can be CE/PE or PE/PE.
- Room for wide variation within each category.
- All DOTS communications in each example can be directly between DOTS servers and DOTS clients, or mediated by DOTS relays.
- DOTS relays can forward messages between DOTS clients and servers using either stateless transport, stateful transport, or a combination of the two.
- DOTS relays can aggregate service requests, status messages, and responses.
- DOTS relays can filter service requests, status messages, and responses.
Use-cases in -01 are not exhaustive, are illustrative.

Use-cases in -01 focus on DDoS mitigation using dedicated mitigation devices. S/RTBH, flowspec, OpenFlow, etc. can also be used to leverage network infrastructure for DDoS mitigation.
Changes from -01

- Some repetitive verbiage elided.
- Introductory verbiage added to provide context.
- Minor clarification of use-case archetypes.
- Sections renumbered.
- *Not* a major update.
Changes for -02

- Consolidation with draft-nishizuka-dots-inter-domain-usecases-01.
- Major re-factoring of document!
- Focus on minimum viable capability (MVC) for DOTS Phase I, reproducing and supplementing current non-standard signaling mechanisms via standards-based method (e.g., DOTS); additional optional capabilities outlined in use-cases.
- Prosaic use-cases more accessible to non-specialists.
- Current -01 use-case archetypes simplified, de-duplicated, and described in an appendix.
- New use-cases will combine components, exchanges, and processes.
- Additional co-authors.
Themes of -02

- Produce a working model of what’s currently possible, along with reasonable and desirable evolutionary innovation for DOTS Phase I.
- Explore and describe additional useful functionality which may be optional.
- Create a document that is easily understood by non-specialists.
- Broaden participation to ensure more viewpoints are represented.
- Capture all the above in a single document, which is more easily referenced than multiple documents.
- Is a major update!
This Presentation – http://bit.ly/1N6u8za
DDoS Open Threat Signaling (DOTS) Working Group

Thank You!

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