Resource-Oriented Lightweight Information Exchange (ROLIE)

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ROLIE Extension Documents

- ROLIE CSIRT
  - New update posted (MILE WG)
- ROLIE Software Descriptor
  - New update posted (SCAM WG)
- ROLIE Discovery
  - New personal draft posted to MILE
- In the future?
  - ROLIE Search
  - ROLIE JSON
ROLIE Core Document

- Published as RFC8322!
- Thanks to WG, authors, and reviewers for the hard work

ROLIE CSIRT

- Adopted as working group document

- As per discussion at IETF 100, the extra requirements imposed on unrelated elements when using IODEF have been removed or lessened
  - Now much easier to support IODEF transport

- Updated referencing handling
CSIRT Updates

- Adding requirements for property exposure, enforces interoperability and lays groundwork for searching capability

- Media type registrations in this document?
  - STIX (application/stix+json)
  - IODEF (application/iodef+xml)

- Standards track
ROLIE Discovery
Why do we need a Discovery draft?

- Discovery mechanism not discussed in ROLIE core document

- Machine-to-Machine communication requires better discovery

- Currently, humans must input a Service Document location.
  - Requires side-channel communication to share
The ROLIE Discovery draft

- draft-banghart-mile-rolie-discovery-00 posted as a starting point for discovery work

- Work in progress document, skeleton for specifying a Discovery mechanism.
Mechanisms for Discovery

- **DNS-SD**
  - RFC6763, dns-sd.org
  - Uses additional requirements on ZONE file field naming and parameters to describe ROLIE Service document location

- **NAPTR Records**
  - RFC2915
  - DNS Record type (35) designed for the SIP protocol
  - Complicated and requires additional implementation
Questions for the group

- Discovery mechanism
  - DNS-SD
  - Other?

- Working group adoption?

- ROLIE JSON kick-off?