

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
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ROLIE Core Document

- Published as RFC8322!
 - Thanks to WG, authors, and reviewers for the hard work
 - <https://tools.ietf.org/html/rfc8322>
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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
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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
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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
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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.
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Mechanisms for Discovery

- DNS-SD
 - RFC6763, [dns-sd.org](https://www.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
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Questions for the group

- Discovery mechanism
 - DNS-SD
 - Other?
 - Working group adoption?
 - ROLIE JSON kick-off?
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