WGLC / Review changes to constrained join proxy

draft-ietf-anima-constrained-join-proxy-12

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IETF 114 - ANIMA Working Group
Discovery issues: GRASP and mDNS
Registrar Discovery (by Join Proxy)

Discovery in Constrained-Voucher

[M_FLOOD, 51804321, h'fda379a6f6ee0000020000064000001', 180000,
[["AN_join_registrar", 4, 255, "BRSKI_JP"],
[O_IPV6_LOCATOR,
  h'fda379a6f6ee000002000006400001', IPPROTO_UDP, 5684]]]

Discovery in Constrained-Join-Proxy

[M_FLOOD, 51840231, h'fda379a6f6ee0000020000064000001', 180000,
[
  ["AN_join_registrar", 4, 255, ""],
  [O_IPV6_LOCATOR,
    h'fda379a6f6ee0000020000064000001', IPPROTO_TCP, 8443]]

  ["AN_join_registrar", 4, 255, "BRSKI_JP"],
  [O_IPV6_LOCATOR,
    h'fda379a6f6ee0000020000064000001', IPPROTO_UDP, 5684]]]

  ["AN_join_registrar", 4, 255, "BRSKI_RJP"],
  [O_IPV6_LOCATOR,
    h'fda379a6f6ee0000020000064000001', IPPROTO_UDP, 5684]]]
Discovery issues: GRASP and mDNS

Join-Proxy Discovery (by Pledge)

Discovery in Constrained-Voucher
[M_FLOOD, 12340851, h'fe800000000000000000000000000001', 180000, [  ["AN_Proxy", 4, 1, ""], [0_IPv6_LOCATOR, h'fe800000000000000000000000000001', IPPROTO_TCP, 4443], ["AN_Proxy", 4, 1, "DTLS"], [0_IPv6_LOCATOR, h'fe800000000000000000000000000001', IPPROTO_UDP, 5684]]

Discovery in Constrained-Join-Proxy
NO CHANGE
Mesh Network Diagram

multi-hop mesh

Registrar      Join Proxy      Pledge
What’s Mandatory To Implement?

- **Was:**
  - “A Join Proxy MAY implement both”

- **Now:**
  - “A Join Proxy MUST implement both”

<table>
<thead>
<tr>
<th>Registrar supports:</th>
<th>Stateful</th>
<th>Stateless (MAY?)</th>
<th>Stateless (MAY)</th>
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</thead>
<tbody>
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<td></td>
<td>MUST</td>
<td>Registrar does not do Stateless</td>
<td>Registrar does Stateless</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Join Proxy Supports:</th>
<th>Stateful - YES</th>
<th>Interop!</th>
<th>N/A</th>
<th>N/A</th>
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</thead>
<tbody>
<tr>
<td>Stateful - NO</td>
<td></td>
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<tr>
<td>Stateless – YES</td>
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<tr>
<td>Stateless - NO</td>
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</tbody>
</table>
JPY message changed

OLD:

```python
JPY_message = 
[
    ip : bstr,
    port : int,
    family : int,
    index : int
    content : bstr
]
```

NEW:

```python
JPY_message = 
[
    pledge_context_message: bstr,
    content : bstr
]
```

Contents SHOULD be encrypted, but Contents not standardized
Discussion
And questions

?  

Current status was AD writeup/reviews

New status: 2\textsuperscript{nd} WGLC?