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', 18 000,
   [["AN_join_registrar", 4, 255, "BRSKI_JP"],
    [O_IPv6_LOCATOR,
     h'fda379a6f6ee0000020000064000001', IPPROTO_UDP, 5684]]]
```

Abirtary port

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, 5685]
]]
```

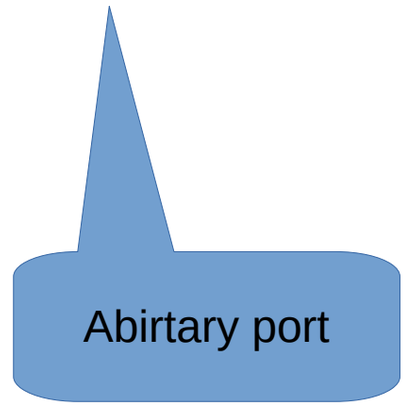
Discovery issues: GRASP and mDNS Join-Proxy Discovery (by Pledge)

Discovery in Constrained-Voucher

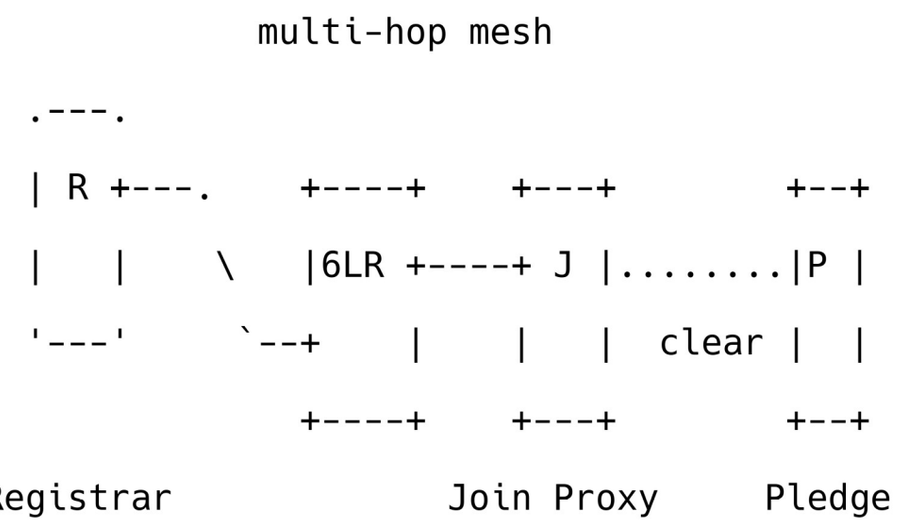
```
[M_FLOOD, 12340851, h'fe800000000000000000000000000001', 180000,
 [   ["AN_Proxy", 4, 1, ""],      [O_IPv6_LOCATOR,
       h'fe800000000000000000000000000001', IPPROTO_TCP, 4443],
     ["AN_Proxy", 4, 1, "DTLS"],      [O_IPv6_LOCATOR,
       h'fe800000000000000000000000000001', IPPROTO_UDP, 5684]]
```

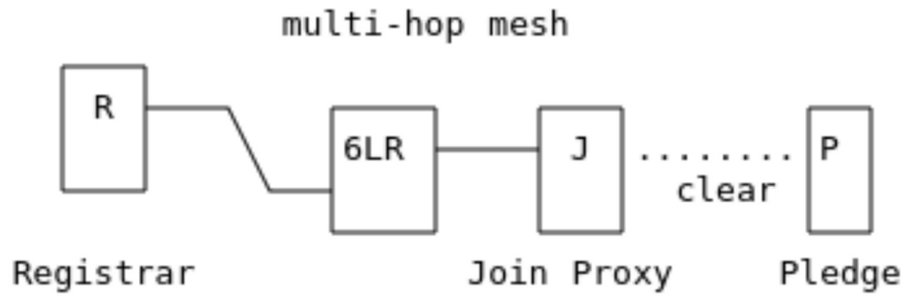
Discovery in Constrained-Join-Proxy

NO CHANGE



Mesh Network Diagram





What's Mandatory To Implement?

- Was:
  - "A Join Proxy MAY implement both"
- Now:
  - "A Join Proxy MUST implement both"

Registrar supports:	Stateful MUST	Stateless (MAY?) Registrar does not do Stateless	Stateless (MAY) Registrar does Stateless
Join Proxy Supports:			
Stateful - YES	Interop!	N/A	N/A
Stateful - NO	Does not Use stateful		
Stateless – YES			
Stateless - NO			

JPY message changed

Contents SHOULD
be encrypted, but
Contents not standardized

OLD:

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

NEW:

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

Discussion
And questions

?

Current status was AD writeup/reviews

New status: 2nd WGLC?