NOW

DNS Server
EXAMPLE.COM. HIP?
EXAMPLE.COM. HIP 2001…5678
EXAMPLE.COM. AAAA?
EXAMPLE.COM. AAAA Ø
EXAMPLE.COM. A?
EXAMPLE.COM. A 192.0.2.1

HIP Software
OpenHIP

<table>
<thead>
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<th>HIT</th>
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<tbody>
<tr>
<td>2001…5678</td>
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Legacy Application
sendto(2001…5678)
RFC5205: HIP RR

<table>
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<tr>
<th>HIT length</th>
<th>PK algorithm</th>
<th>PK length</th>
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+--------------------------------------------------+
| H I T                                             |
+--------------------------------------------------+
| Public Key - MANDATORY                           |
|                                                   |
+--------------------------------------------------+
| Rendezvous Servers - OR LOCATORS                 |
## LOCATOR in nat-traversal

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Summary

• Reduce the size of DNS messages -- less TCP

• HIP over HIP(139) or UDP?

• Custom UDP ports

• No need for RVS