

Experimental and Vendor Specific messages

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Experimental messages

- Enable experiments with new protocol extensions to the Mobile IPv6 protocol
- Currently folks just use unassigned numbers for experimental protocol extensions
 - This creates problems later on
- Nice to set aside some messages for experimental purpose

Experimental messages

- BCP 82 (RFC 3692) justifies the need for experimental messages
 - Proposes setting aside experimental numbers for all IPv6 extensions headers, ICMP messages, etc...

New Messages

- Experimental Mobility Header message
- Experimental mobility option
- Details in draft-devarapalli-mip6-experimental-messages-00.txt

Vendor Specific Messages

- Allows vendors to implement extensions to the Mobile IPv6 protocol and distinguish themselves from other vendors
- But these should be used very carefully
 - Vendor specific extensions to protocols can cause serious interoperability issues if they are not used carefully
 - The vendor specific extensions **MUST** be standardized in the IETF if they are to be deployed on a large scale or if multiple vendors are involved in a particular system or deployment
- Experience has shown that vendor specific protocol extensions benefit from IETF review and standardization

New Messages

- Messages are clearly marked by a Vendor ID that identifies the vendor
- Vendor Specific Mobility Header message
- Vendor Specific Mobility Option
- Details in draft-devarapalli-mip6-vsm-00.txt