



Supported Registration Reply Codes

The following section describes the registration reply codes supported by the system for the HA service.

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HA Service Reply Codes

The following registration reply codes are supported by the system's HA service in accordance with the following Request For Comments (RFCs):

- RFC-2002, IPv4 Mobility, May 1995
- RFC-2344, Reverse Tunneling for Mobile IP, May 1998

Table 1: Supported HA Service Registration Reply Codes

| Reply Code (Hex / Base 10) | Description | Note |
|----------------------------|---|--|
| 80H / 128 | Registration Denied - reason unspecified | Sent when internal errors are encountered when processing the Request packet. |
| 81H / 129 | Registration Denied - administratively prohibited | Sent when a newcall policy is set to reject calls or the subscriber is not permitted to use Mobile IP HA services. |
| 82H / 130 | Registration Denied - insufficient resources | Sent when no memory or session managers are available to process the session. |
| 83H / 131 | Registration Denied - mobile node failed authentication | Sent when the mobile node failed authentication. |
| 84H / 132 | Registration Denied - foreign agent failed authentication | Sent when an FA attempted to communicate with the HA service using an incorrect security parameter index (SPI). |

| Reply Code (Hex / Base 10) | Description | Note |
|----------------------------|--|---|
| 85H / 133 | Registration Denied - registration Identification mismatch | Sent when the ID sent by the mobile node in the RRQ is different from the expected value. |
| 86H / 134 | Registration Denied - poorly formed request | Sent when the registration request is poorly formed (i.e. missing an Authentication extension). |
| 87H / 135 | Registration Denied - too many simultaneous mobility bindings | Sent when the mobile node has exceeded the maximum number of mobile bindings that the HA service supports for a single subscriber. |
| 88H / 136 | Registration Denied - unknown home agent address | Sent when HA redirect policy is invoked. |
| 89H / 137 | Registration Denied - reverse tunneling unavailable | Sent when reverse tunneling is requested by the mobile node but it is not enabled on the system. |
| 8AH / 138 | Registration Denied - reverse tunneling mandatory | Sent when reverse tunneling is enabled on the system but is not supported by the mobile node. |
| 8BH / 139 | Registration Denied - reverse tunneling encapsulation style unavailable | Sent if the Encapsulating Delivery Style Extension sent by the mobile is not supported by the HA service. |
| 8DH / 141 | Registration Denied - unsupported Vendor-ID or unable to interpret Vendor-CVSE-Type. | Sent if the Vendor Identification is unsupported or the HA is unable to interpret the Vendor-CVSE-Type in the CVSE sent by the Foreign Agent to the Home Agent. |
| 8EH / 142 | Registration Denied - Requested UDP tunnel encapsulation unavailable | Sent by the HA if a UDP tunneling mode is not available. |