



## show mag-service

This chapter includes the **show mag-service** command output tables.

- [show mag-service statistics, page 1](#)

## show mag-service statistics

**Table 1: show mag-service statistics Command Output Descriptions**

| Field                               | Description   |
|-------------------------------------|---|
| <b>Binding Update Sent</b>          |   |
| Total                               | The total number of all binding updates sent by this system or the specified service.                               |
| Init Request Xmit                   | The total number of initial request transmit binding updates sent by this system or the specified service.          |
| Init Request Re-Xmit                | The total number of initial request retransmit binding updates sent by this system or the specified service.        |
| Renew Request Xmit                  | The total number of renew request transmit binding updates sent by this system or the specified service.            |
| Renew Request Re-Xmit               | The total number of renew request retransmit binding updates sent by this system or the specified service.          |
| Dereg Request Xmit                  | The total number of deregistration request transmit binding updates sent by this system or the specified service.   |
| Dereg Request Re-Xmit               | The total number of deregistration request retransmit binding updates sent by this system or the specified service. |
| <b>Binding Acknowledgement Rcvd</b> |   |

| Field                  | Description   |
|------------------------|---|
| Total                  | The total number of all binding acknowledgments received by this system or the specified service.   |
| Errors                 | The total number of all binding acknowledgments, with errors, received by this system or the specified service.                                   |
| Accepted               | The total number of all binding acknowledgments received, and accepted by this system or the specified service.                                   |
| Denied                 | The total number of all binding acknowledgments received, but denied by this system or the specified service.                                     |
| Init Accepted          | The total number of initial binding acknowledgments received at MAG with Success code.  |
| Init Reply Rcvd        | The total number of all binding acknowledgments - initial reply received by this system or the specified service.                                 |
| Renew Reply Rcvd       | The total number of all binding acknowledgments - renew reply received by this system or the specified service.                                   |
| Dereg Reply Rcvd       | The total number of all binding acknowledgments - deregistration reply received by this system or the specified service.                          |
| <b>Denied by LMA</b>   |   |
| Insufficient Resources | The total number of binding updates sent by this system or the specified service but denied by the LMA due to insufficient resources.             |
| Mismatched ID          | The total number of binding updates sent by this system or the specified service but denied by the LMA due to mismatched IDs.                     |
| MN Auth Failure        | The total number of binding updates sent by this system or the specified service but denied by the LMA due to mobile node authorization failures. |
| Admin Prohibited       | The total number of binding updates sent by this system or the specified service but denied by the LMA due to admin prohibited conditions.        |
| Msg ID Required        | The total number of binding updates sent by this system or the specified service but denied by the LMA due to missing message IDs.                |
| DAD Failed             | The total number of binding updates sent by this system or the specified service but denied by the LMA due to DAD failures.                       |
| Not Home Subnet        | The total number of binding updates sent by this system or the specified service but denied by the LMA due to incorrect home subnet.              |

| Field                                       | Description  |
|---|--|
| Sequence Out Of Window                      | The total number of binding updates sent by this system or the specified service but denied by the LMA due to sequence out of window conditions.           |
| Reg Type Change Disallowed                  | The total number of binding updates sent by this system or the specified service but denied by the LMA due to registration type change disallowed.         |
| Unspecified Reason                          | The total number of binding updates sent by this system or the specified service but denied by the LMA due to unspecified reasons.                         |
| Service-Authorization Failed                | The total number of binding updates sent by this system or the specified service but denied by the LMA due to failed service authorizations.               |
| Proxy Reg Not Enabled                       | The total number of binding updates sent by this system or the specified service but denied by the LMA due to proxy registration not being enabled.        |
| Timestamp Mismatch                          | The total number of binding updates sent by this system or the specified service but denied by the LMA due to timestamp mismatches.                        |
| Timestamp Lower Than Expected               | The total number of binding updates sent by this system or the specified service but denied by the LMA due to lower than expected timestamps.              |
| Missing MN-ID Option                        | The total number of binding updates sent by this system or the specified service but denied by the LMA due to missing mobile node ID options.              |
| Missing HNP Option                          | The total number of binding updates sent by this system or the specified service but denied by the LMA due to missing HNP options.                         |
| Missing Access Tech Option                  | The total number of binding updates sent by this system or the specified service but denied by the LMA due to missing access technology options.           |
| Missing Handoff Ind Option                  | The total number of binding updates sent by this system or the specified service but denied by the LMA due to missing handoff indication options.          |
| Not Authorized For HNP                      | The total number of binding updates sent by this system or the specified service but denied by the LMA due to not being authorized for HNP.                |
| Not LMA For Mobile                          | The total number of binding updates sent by this system or the specified service but denied by the LMA due incorrect LMA for mobility.                     |
| Not Authorized For Proxy Reg                | The total number of binding updates sent by this system or the specified service but denied by the LMA due to not being authorized for proxy registration. |
| BCE Prefix Do Not Match                     | The total number of binding updates sent by this system or the specified service but denied by the LMA due to BCE prefix mismatches.                       |
| <b>Binding Acknowledgement Error Reason</b> |  |

| Field  | Description  |
|--|--|
| Missing HNP  | The total number of binding acknowledgements with missing HNP errors received by this system or the specified service.                 |
| Missing NAI  | The total number of binding acknowledgements with missing NAI errors received by this system or the specified service.                 |
| Home Address Conflict                              | The total number of binding acknowledgements with home address conflict errors received by this system or the specified service.       |
| Matching Request Not Found                         | The total number of binding acknowledgements with matching requests not found errors received by this system or the specified service. |
| Badly Formed                                       | The total number of binding acknowledgements with badly formed message errors received by this system or the specified service.        |
| Checksum Error                                     | The total number of binding acknowledgements with checksum errors received by this system or the specified service.                    |
| Session Not Found                                  | The total number of binding acknowledgements with session not found errors received by this system or the specified service.           |
| Wrong LMA Address                                  | The total number of binding acknowledgements with wrong LMA address errors received by this system or the specified service.           |
| <b>Binding Revocation</b>                          |  |
| Sent   | The total number of binding revocations sent by this system or the specified service.  |
| Retries Sent                                       | The total number of binding revocation retries sent by this system or the specified service.   |
| Ack Rcvd   | The total number of binding revocation acknowledgements received by this system or the specified service.                              |
| Not Acknowledged                                   | The total number of binding revocations sent, but not acknowledged, by this system or the specified service.                           |
| Rcvd   | The total number of binding revocations received by this system or the specified service.  |
| Ack Sent   | The total number of binding revocation acknowledgements sent by this system or the specified service.                                  |
| <b>Received Binding Revocation Trigger Reasons</b> |  |
| Unspecified  | The total number of Binding Revocation Indication (BRI) messages received by the MAG with an "Unspecified" revocation trigger reason.  |

| Field                             | Description   |
|-----------------------------------|---|
| Administrative Reason             | The total number of Binding Revocation Indication (BRI) messages received by the MAG with an "Administrative Reason" revocation trigger reason.       |
| Inter-MAG Handoff-Same ATT        | The total number of Binding Revocation Indication (BRI) messages received by the MAG with an "Inter-MAG Handoff-Same ATT" revocation trigger reason.  |
| Inter-MAG - Unknown Handoff       | The total number of Binding Revocation Indication (BRI) messages received by the MAG with an "Inter-MAG - Unknown Handoff" revocation trigger reason. |
| Inter-MAG Handoff-Diff ATT        | The total number of Binding Revocation Indication (BRI) messages received by the MAG with an "Inter-MAG Handoff-Diff ATT" revocation trigger reason.  |
| Per-Peer Policy                   | The total number of Binding Revocation Indication (BRI) messages received by the MAG with a "Per-Peer Policy" revocation trigger reason.              |
| Revoking Node Local Policy        | The total number of Binding Revocation Indication (BRI) messages received by the MAG with a "Revoking Node Local Policy" revocation trigger reason.   |
| User Initiated Session Term       | The total number of Binding Revocation Indication (BRI) messages received by the MAG with a "User Initiated Session Term" revocation trigger reason.  |
| Access Network Session Term       | The total number of Binding Revocation Indication (BRI) messages received by the MAG with an "Access Network Session Term" revocation trigger reason. |
| Out-of Sync BCE State             | The total number of Binding Revocation Indication (BRI) messages received by the MAG with an "Out-of Sync BCE State" revocation trigger reason.       |
| Unknown                           | The total number of Binding Revocation Indication (BRI) messages received by the MAG with an "Unknown" revocation trigger reason.                     |
| <b>Sent Revocation ACK Status</b> |   |
| Success                           | The total number of Binding Revocation Acknowledgement (BRA) messages sent by the MAG with a "Success" status.  |
| Partial-Success                   | The total number of Binding Revocation Acknowledgement (BRA) messages sent by the MAG with a "Partial-Success" status.                                |
| Binding-Does-Not-Exist            | The total number of Binding Revocation Acknowledgement (BRA) messages sent by the MAG with a "Binding-Does-Not-Exist" status.                         |
| No IPv4-HoA-Bind                  | The total number of Binding Revocation Acknowledgement (BRA) messages sent by the MAG with a "No IPv4-HoA-Bind" status.                               |
| Global-Revoc-Not-Authorized       | The total number of Binding Revocation Acknowledgement (BRA) messages sent by the MAG with a "Global-Revoc-Not-Authorized" status.                    |

| Field  | Description   |
|--|---|
| Revoc-MN-ID-Required                           | The total number of Binding Revocation Acknowledgement (BRA) messages sent by the MAG with a "Revoc-MN-ID-Required" status.                                       |
| Revoc-Failed-MN-Attached                       | The total number of Binding Revocation Acknowledgement (BRA) messages sent by the MAG with a "Revoc-Failed-MN-Attached" status.                                   |
| Trigger-Not-Supported                          | The total number of Binding Revocation Acknowledgement (BRA) messages sent by the MAG with a "Trigger-Not-Supported" status.                                      |
| Proxy-Bind-Rev-Not-Supported                   | The total number of Binding Revocation Acknowledgement (BRA) messages sent by the MAG with a "Proxy-Bind-Rev-Not-Supported" status.                               |
| Revoc-Func-Not-Supported                       | The total number of Binding Revocation Acknowledgement (BRA) messages sent by the MAG with a "Revoc-Func-Not-Supported" status.                                   |
| Unknown  | The total number of Binding Revocation Acknowledgement (BRA) messages sent by the MAG with an "Unknown" status.   |
| <b>Binding Revocation Indication Discarded</b> |   |
| Total  | The total number of binding revocation acknowledgements received and discarded by this system or the specified service.   |
| Session Not Found                              | The total number of binding revocation acknowledgements received and discarded, due to a session not found condition, by this system or the specified service.    |
| Badly Formed Request                           | The total number of binding revocation acknowledgements received and discarded, due to a badly formed request condition, by this system or the specified service. |
| Decode Error                                   | The total number of binding revocation acknowledgements received and discarded, due to a decode error condition, by this system or the specified service.         |
| Checksum Error                                 | The total number of binding revocation acknowledgements received and discarded, due to a checksum error condition, by this system or the specified service.       |
| Invalid Message Type                           | The total number of binding revocation acknowledgements received and discarded, due to a invalid memory type condition, by this system or the specified service.  |
| No Memory                                      | The total number of binding revocation acknowledgements received and discarded, due to insufficient memory, by this system or the specified service.              |
| Wrong LMA Address                              | The total number of binding revocation acknowledgements received and discarded, due to wrong LMA address condition, by this system or the specified service.      |
| <b>Tunnel Data Received</b>                    |   |
| Total Packets                                  | The total number of tunnel packets received by this system or the specified service.  |

| Field  | Description   |
|--|---|
| 6in6<br>4in6<br>IPv6 GRE (IPv4)<br>IPv6 GRE (IPv6) | <p>The total number of IPv6-in-IPv6 tunnel packets received by this system or the specified service.</p> <p>The total number of IPv4-in-IPv6 tunnel packets received by this system or the specified service.</p> <p>The total number of IPv4-in-IPv6 GRE tunnel packets received by this system or the specified service.</p> <p>The total number of IPv6-in-IPv6 GRE tunnel packets received by this system or the specified service.</p> |
| Total Bytes  | The total number of tunnel bytes received by this system or the specified service.  |
| 6in6<br>4in6<br>IPv6 GRE (IPv4)<br>IPv6 GRE (IPv6) | <p>The total number of IPv6-in-IPv6 tunnel bytes received by this system or the specified service.</p> <p>The total number of IPv4-in-IPv6 tunnel bytes received by this system or the specified service.</p> <p>The total number of IPv4-in-IPv6 GRE tunnel bytes received by this system or the specified service.</p> <p>The total number of IPv6-in-IPv6 GRE tunnel bytes received by this system or the specified service.</p>         |
| Errors   |   |
| Protocol Type Error                                | The total number of protocol type data errors received by this system or the specified service.   |
| Invalid Pkt Length                                 | The total number of invalid packet length data errors received by this system or the specified service.   |
| No Session Found                                   | The total number of no session found data errors received by this system or the specified service.  |
| <b>Tunnel Data Sent</b>                            |   |
| Total Packets                                      | The total number of tunnel packets sent by this system or the specified service.  |
| 6in6<br>4in6<br>IPv6 GRE (IPv4)<br>IPv6 GRE (IPv6) | <p>The total number of IPv6-in-IPv6 tunnel packets sent by this system or the specified service.</p> <p>The total number of IPv4-in-IPv6 tunnel packets sent by this system or the specified service.</p> <p>The total number of IPv4-in-IPv6 GRE tunnel packets sent by this system or the specified service.</p> <p>The total number of IPv6-in-IPv6 GRE tunnel packets sent by this system or the specified service.</p>                 |
| Total Bytes  | The total number of tunnel bytes sent by this system or the specified service.  |

| Field                             | Description   |
|-----------------------------------|---|
| 6in6                              | The total number of IPv6-in-IPv6 tunnel bytes sent by this system or the specified service.                             |
| 4in6                              | The total number of IPv4-in-IPv6 tunnel bytes sent by this system or the specified service.                             |
| IPv6 GRE (IPv4)                   | The total number of IPv4-in-IPv6 GRE tunnel bytes sent by this system or the specified service.                         |
| IPv6 GRE (IPv6)                   | The total number of IPv6-in-IPv6 GRE tunnel bytes sent by this system or the specified service.                         |
| <b>LMA Fallback Support Stats</b> |   |
| LMA Fallback Attempted            | The total number of attempted P-GW fallbacks by this system or the specified service.                                   |
| LMA Fallback Success              | The total number of successful P-GW fallbacks by this system or the specified service.                                  |
| LMA Fallback Failure              | The total number of failed P-GW fallbacks by this system or the specified service.                                      |
| Demux Update Failure              | The total number of demux update failures during P-GW fallback by this system or the specified service.                 |
| Alternate PGW Not Found           | The total number of times an alternate P-GW was not found during P-GW fallback by this system or the specified service. |
| PGW Rejects                       | The total number of P-GW rejections received during P-GW fallback by this system or the specified service.              |
| PGW Timeouts                      | The total number of P-GW timeouts during P-GW fallback by this system or the specified service.                         |
| <b>Total Disconnects/Failures</b> |   |
| Lifetime expiry                   | The total number of disconnects due to lifetime expiry initiated by this system or the specified service.               |
| Access Initiated Term             | The total number of disconnects due to deregistrations initiated by this system or the specified service.               |
| Admin Drops                       | The total number of disconnects due to admin drops initiated by this system or the specified service.                   |
| Other Reasons                     | The total number of disconnects due to "other reasons" initiated by this system or the specified service.               |
| LMA Revocations                   | The total number of disconnects due to LMA revocations received by this system or the specified service.                |