

show mag-service

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

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show mag-service statistics

Table 1: show mag-service statistics Command Output Descriptions

Field	Description
Binding Update Sent	
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.
Binding Acknowledgement Rcvd	
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.

Field	Description
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.
Denied by LMA	
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.
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.

Field	Description
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.
Binding Acknowledgement Error Reason	
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.

Field	Description
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.
Binding Revocation	
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.
Received Binding Revocation Trigger Reasons	
Unspecified	The total number of Binding Revocation Indication (BRI) messages received by the MAG with an "Unspecified" revocation trigger reason.
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.

Field	Description
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.
Sent Revocation ACK Status	
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.
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.
Binding Revocation Indication Discarded	
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.

Field	Description
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.
Tunnel Data Received	
Total Packets	The total number of tunnel packets received by this system or the specified service.
6in6 4in6 IPv6 GRE (IPv4) IPv6 GRE (IPv6)	The total number of IPv6-in-IPv6 tunnel packets received by this system or the specified service. The total number of IPv4-in-IPv6 tunnel packets received by this system or the specified service. The total number of IPv4-in-IPv6 GRE tunnel packets received by this system or the specified service. The total number of IPv6-in-IPv6 GRE tunnel packets received by this system or the specified service.
Total Bytes	The total number of tunnel bytes received by this system or the specified service.
6in6 4in6 IPv6 GRE (IPv4) IPv6 GRE (IPv6)	The total number of IPv6-in-IPv6 tunnel bytes received by this system or the specified service. The total number of IPv4-in-IPv6 tunnel bytes received by this system or the specified service. The total number of IPv4-in-IPv6 GRE tunnel bytes received by this system or the specified service. The total number of IPv6-in-IPv6 GRE tunnel bytes received by this system or the specified service.
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.

Field	Description
Tunnel Data Sent	
Total Packets	The total number of tunnel packets sent by this system or the specified service.
6in6 4in6 IPv6 GRE (IPv4) IPv6 GRE (IPv6)	The total number of IPv6-in-IPv6 tunnel packets sent by this system or the specified service. The total number of IPv4-in-IPv6 tunnel packets sent by this system or the specified service. The total number of IPv4-in-IPv6 GRE tunnel packets sent by this system or the specified service. The total number of IPv6-in-IPv6 GRE tunnel packets sent by this system or the specified service.
Total Bytes	The total number of tunnel bytes sent by this system or the specified service.
6in6 4in6 IPv6 GRE (IPv4) IPv6 GRE (IPv6)	The total number of IPv6-in-IPv6 tunnel bytes sent by this system or the specified service. The total number of IPv4-in-IPv6 tunnel bytes sent by this system or the specified service. The total number of IPv4-in-IPv6 GRE tunnel bytes sent by this system or the specified service. The total number of IPv6-in-IPv6 GRE tunnel bytes sent by this system or the specified service.
LMA Fallback Support Stats	
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.
Total Disconnects/Failures	

Field	Description
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.