

show pdif-service

This chapter describes the output of the **show pdif-service** command.

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show pdif-service statistics

Table 1: show pdif-service statistics Command Output Descriptions

Field	Description
Session Statistics	
Current sessions total	Total number of current sessions.
Simple-IPv4 current	Number of current Simple-IPv4 sessions.
Mobile-IPv4 current	Number of current Mobile-IPv4 sessions.
Proxy-Mobile-IPv4 current	Number of current Proxy-Mobile-IPv4 sessions.
Data-Clients	Total number of subscriber sessions originating from data clients.
Active current	Total number of currently active sessions.
Dormant current	Total number of currently dormant sessions.
Active IPv4 current	Total number of currently active IPv4 sessions.
Active IPv6 current	Total number of currently active IPv6 sessions.
Dormant IPv4 current	Total number of currently dormant IPv4 sessions.
Dormant IPv6 current	Total number of currently dormant IPv6 sessions.
Total Simple-IP IPv4	Total number of Simple-IP IPv4 sessions.
Total Mobile-IP IPv4	Total number of Mobile-IP IPv4 sessions.
Total Proxy-Mobile-IP IPv4	Total number of Proxy-Mobile-IP IPv4 sessions.

Field	Description
Mobile-IP IPv4 attempts	Total number of Mobile-IP IPv4 session attempts.
Mobile-IP IPv4 successes	Number of successful Mobile-IP IPv4 session attempts.
Mobile-IP IPv4 failures	Number of failed Mobile-IP IPv4 session attempts.
Proxy-Mobile-IP IPv4 attempts	Total number of Proxy-Mobile-IP IPv4 session attempts.
Proxy-Mobile-IP IPv4 succ	Number of successful Proxy-Mobile-IP IPv4 session attempts.
Proxy-Mobile-IP IPv4 fails	Number of failed Proxy-Mobile-IP IPv4 session attempts.
Simple-IP-Fallback attempts	Total number of Simple-IP fallback attempts.
successes	Number of successful Simple-IP fallback sessions.
failures	Number of failed Simple-IP fallback sessions.
Simple-IP-Fallback Failure Reasons	
No Mobile-IP RRQ Rx	Mobile-IP RRQ request not received.
Not allowed	Simple-IP fallback not allowed by configuration.
Tagged Pool Address	Address is in a pool and tagged not to allow Simple-IP fallback.
Misc	
Simple-IP IPv4 attempts	Total number of Simple-IP IPv4 session attempts.
Simple-IP IPv4 successes	Number of successful Simple-IP IPv4 attempts.
Simple-IP IPv4 failures	Number of failed Simple-IP IPv4 attempts.
Total setup attempts	Total number of session setup attempts.
Total setup success	Number of successful session setup attempts.
Total Attempts Failed	Number of failed session setup attempts.
Total disconnected	Total number of disconnected sessions.
Disconnected locally	Number of sessions disconnected locally.
Disconnected remotely	Number of sessions disconnected remotely.
Disconnect remotely before connect	Number of sessions disconnected remotely before the session was fully connected.
Session Disconnect Reasons	
Remote disconnect ipsec	Number of sessions disconnected because of remote party (mobile) hang-up.
Admin disconnect	Number of sessions disconnected by the Admin.

Field	Description
Idle timeout	Number of sessions disconnected because the Idle timer has timed out.
Absolute timeout	Number of sessions disconnected because the Absolute timer has timed out.
Long duration timeout	Number of sessions disconnected because the Long Duration timer has timed out.
Session setup timeout	Number of sessions disconnected because the Session Setup timer has timed out.
No resource	Number of sessions disconnected because the system has run out of resources (flows, memory, etc.).
Auth failure	Number of sessions disconnected because of an authentication failure.
Flow add failure	Number of sessions disconnected because flow could not be added on NPU.
Invalid dest-context	Number of sessions disconnected because the destination context coming from AAA server is invalid.
Source address violation	Number of sessions disconnected because the source IP address is invalid.
MIP Remote	Number of Mobile-IP sessions disconnected because of remote mobile user hang-up.
MIP Local	Number of Mobile-IP sessions disconnected locally.
Duplicate Request	Number of sessions disconnected because of a duplicate request when there is already a session with the same NAI.
MAC validation failure	Number of sessions disconnected because the HSS cannot validate MAC address from remote user.
Addr assign failure	Number of sessions disconnected because no address has been assigned.
Miscellaneous reasons	Number of Mobile-IP sessions disconnected for other reasons.
MAC Address Validation Statistics	
Validation attempted	Total number of MAC address validation attempts.
Validation succeeded	Number of successful MAC address validation attempts.
Validation failed	Number of failed MAC address validation attempts.
MAC Address Validation Successes	
MAC Address matches	Number of successful HSS server MAC address matches.

Field	Description
HSS failure continued	HSS is configured to continue the session after a failure is registered.
MAC Address Validation Failure Reasons	
Diameter Error	Validation failed because of a problem with the Diameter server.
User Unknown	Validation failed because of an unknown user.
Malformed MAC Address	Validation failed because of a malformed MAC address from the mobile subscriber.
No MAC Address provided	Validation failed because the mobile subscriber does not supply a MAC address.
Unauthorized MAC Address	Validation failed because the MAC address is not authorized by the HSS.
Sh Interface unavailable	Validation failed because of a problem with the interface to the HSS.
Timeout	Validation failed because of a problem with a session setup timeout.
Others	Validation failed because of other reasons.
Data Stats	
Total Bytes Sent	Total number of bytes sent.
Total Packets Sent	Total number of packets sent.
Total Bytes Rcvd	Total number of bytes received.
Total Packets Rcvd	Total number of packets received.
Total Pkts Violations	Total number of packets received from UEs and destined for the Internet that do not match any of the configured traffic selectors.
EAP Server Statistics	
Total Received	Total number of EAP Success+ EAP Challenge + EAP Failures, coming from EAP server.
Success Received	Number of EAP successes received.
Challenge Received	Number of EAP challenges received.
Failures Received	Number of EAP failures received.
Discarded	Number of EAP server messages discarded.
Total Sent	Total number of EAP server messages sent.

Field	Description
Initial Requests	Number of initial requests.
Requests Forwarded	Number of requests forwarded.
EAP Mobile Statistics	
Total Received	Total number of EAP Requests coming from mobile subscriber.
Discarded	Number of EAP mobile messages discarded.