

# AAA Services Reports

## Overview

This section provides detailed information about all available AAA Services reports in GATE. Reports are organized into two main categories: Authentication reports for login activity analysis, and Accounting reports for session and bandwidth tracking.

## Report Categories

### Authentication Reports

Authentication reports focus on subscriber login requests, tracking accept/reject patterns, and access point activity analysis.

### Accounting Reports

Accounting reports provide insights into active sessions, bandwidth usage, session duration, and traffic patterns across your network infrastructure.

## Available Reports

Report Name	Description	Category
<b>AAA Access Point MAC distribution by organization (Accounting table)</b>	Subscriber activity, by organization over time	Accounting
<b>AAA Access Point MAC distribution by organization and type</b>	Subscriber requests, by accept/reject over time	Authentication
<b>AAA accounting sessions</b>	Sessions trend	Accounting
<b>AAA accounting sessions by Access Point</b>	Sessions trend, by AP	Accounting

<b>Report Name</b>	<b>Description</b>	<b>Category</b>
<b>AAA accounting sessions by Location</b>	Sessions trend, by location	Accounting
<b>AAA accounting sessions by NAS Client</b>	Sessions trend, by NAS client	Accounting
<b>AAA accounting sessions by Realm</b>	Sessions trend, by realm	Accounting
<b>AAA accounting sessions by organization</b>	Sessions trend, by organization	Accounting
<b>AAA accounting traffic per Location and Organization (GBytes)</b>	Bandwidth by location and organization over time, GBytes	Accounting
<b>AAA accounting traffic per location (GBytes)</b>	Bandwidth by location over time, GBytes	Accounting
<b>AAA accounting traffic per user (GBytes)</b>	Bandwidth detail by subscribers over time, GBytes	Accounting
<b>AAA active Access Point MAC addresses (Accounting table)</b>	Sessions trend, by AP address	Accounting
<b>AAA active Access Point MAC addresses per NAS client (Accounting table)</b>	Sessions trend, by AP address and NAS client	Accounting
<b>AAA active Access Point MAC addresses per Organization (Accounting table)</b>	Sessions trend, by AP address and organization	Accounting
<b>AAA active Access Point MAC addresses per organization</b>	Accepted Sessions trend, by AP address and organization	Authentication
<b>AAA active sessions</b>	Active sessions trend	Accounting
<b>AAA active sessions per NAS Client</b>	Active sessions trend, by NAS client	Accounting
<b>AAA active sessions per Organization</b>	Active sessions trend, by organization	Accounting
<b>AAA active sessions per Realm</b>	Active sessions trend, by realm	Accounting
<b>AAA active sessions per called station</b>	Active sessions detail, by called station	Accounting
<b>AAA active sessions per user and realm</b>	Active sessions detail, by user and realm	Accounting
<b>AAA maximum sessions</b>	Max sessions trend	Accounting
<b>AAA multi-session time average (in minutes)</b>	Average minutes, by session	Accounting

Report Name	Description	Category
<b>AAA number of active Access Point MAC addresses</b>	Active AP address trend	Authentication
<b>AAA requests by Access Point MAC address and type</b>	Subscriber requests accept/reject trend, by AP address	Authentication
<b>AAA requests by access point and type</b>	Subscriber requests accept/reject trend, by AP address and location	Authentication
<b>AAA requests by calledstation and type</b>	Subscriber requests accept/reject trend, by calledstation and type	Authentication
<b>AAA requests by calledstation, access point, and type</b>	Subscriber requests accept/reject trend, by calledstation, AP and location	Authentication
<b>AAA requests by type</b>	Subscriber requests accept/reject trend	Authentication
<b>AAA requests distribution by organization and type</b>	Subscriber requests accept/reject trend by organization	Authentication
<b>AAA session time average (in minutes)</b>	Average minutes trend, by sessions	Accounting
<b>AAA session time average (in seconds)</b>	Average seconds trend, by sessions	Accounting
<b>AAA session time average by Location (in minutes)</b>	Average minutes trend, by location and sessions	Accounting
<b>AAA session time average by Location and Organization (in minutes)</b>	Average minutes trend, by location, organization and sessions	Accounting
<b>AAA session time average by organization (in minutes)</b>	Average minutes trend, by organization and sessions	Accounting
<b>AAA session time average by terminate cause</b>	Average minutes trend, by terminate cause	Accounting
<b>AAA sessions by terminate cause</b>	Sessions trend, by terminate cause	Accounting
<b>Bottom AAA Access Point MAC address by number of requests and type</b>	Bottom-ranked subscriber requests, by AP address and accept/reject over time	Authentication
<b>Bottom AAA Access Points by number of requests and type</b>	Bottom-ranked subscriber requests, by AP, location and accept/reject over time	Authentication
<b>Bottom AAA Access Points by number of sessions (Accounting table)</b>	Bottom-ranked sessions, by AP and location over time	Accounting
<b>Bottom AAA Locations by number of requests and type</b>	Bottom-ranked subscriber requests, by location and accept/reject over time	Authentication

<b>Report Name</b>	<b>Description</b>	<b>Category</b>
<b>Bottom AAA Locations by number of sessions (Accounting table)</b>	Bottom-ranked sessions, by location over time	Accounting
<b>List of active AAA Access Point MAC address</b>	Total logins, by AP address over time	Authentication
<b>List of active AAA Access Point MAC address (no transaction count)</b>	Active AP address over time	Authentication
<b>List of active AAA Access Point MAC addresses (Accounting table)</b>	Total sessions, by AP address over time	Accounting
<b>List of active AAA Access Point MAC addresses (Accounting table, no count)</b>	Active AP address over time	Accounting
<b>Number of accounting requests from unidentified Access Points by MAC address</b>	Sessions trend for unidentified AP, by AP address	Accounting
<b>Number of accounting requests from unidentified Access Points by MAC address and NAS client</b>	Sessions trend for unidentified AP, by AP address and NAS client	Accounting
<b>Number of accounting requests from unidentified Access Points by MAC address and NAS-ID</b>	Sessions trend for unidentified AP, by AP address and NAS-ID	Accounting
<b>Number of accounting requests with and without matching Access Point</b>	Sessions trend for identified/unidentified AP	Accounting
<b>Number of distinct user devices (Called-Station-Id) by organization (Accounting table)</b>	Called Station Id trend, by organization	Accounting
<b>Top AAA Access Point MAC address by number of requests and type</b>	Top-ranked subscriber requests, by AP address and accept/reject over time	Authentication
<b>Top AAA Access Point MAC address without matching Access Point</b>	Top-ranked subscriber requests without AP, by AP address and accept/reject over time	Authentication
<b>Top AAA Access Point MAC address without matching Access Point (Accounting table)</b>	Top-ranked sessions without AP, by AP address and NAS client over time	Accounting
<b>Top AAA Access Point MAC address without matching Location</b>	Top-ranked subscriber requests without location, by AP address, accept/reject and NAS client over time	Authentication
<b>Top AAA Access Point MAC address without matching Location (Accounting table)</b>	Top-ranked sessions without location, by AP address and NAS client over time	Accounting

Report Name	Description	Category
<b>Top AAA Access Points by number of requests and type</b>	Top-ranked subscriber requests, by AP, location and accept/reject over time	Authentication
<b>Top AAA Access Points by number of sessions (Accounting table)</b>	Top-ranked sessions, by AP and location over time	Accounting
<b>Top AAA Locations by number of requests and type</b>	Top-ranked subscriber requests, by location and accept/reject over time	Authentication
<b>Top AAA Locations by number of sessions (Accounting table)</b>	Top-ranked sessions, by location over time	Accounting

# Report Usage Notes

- **Authentication Reports:** Use these reports to analyze login patterns, identify authentication issues, and monitor access point performance
- **Accounting Reports:** These reports are essential for bandwidth monitoring, session analysis, and capacity planning
- **Time-based Analysis:** Most reports support time range selection for historical trend analysis
- **Organization Filtering:** Reports can be filtered by organization for multi-tenant environments

---

Revision #4

Created 2026-02-12 19:03:12 UTC by ipena@zequenze.com

Updated 2026-03-05 22:28:03 UTC by ipena@zequenze.com