

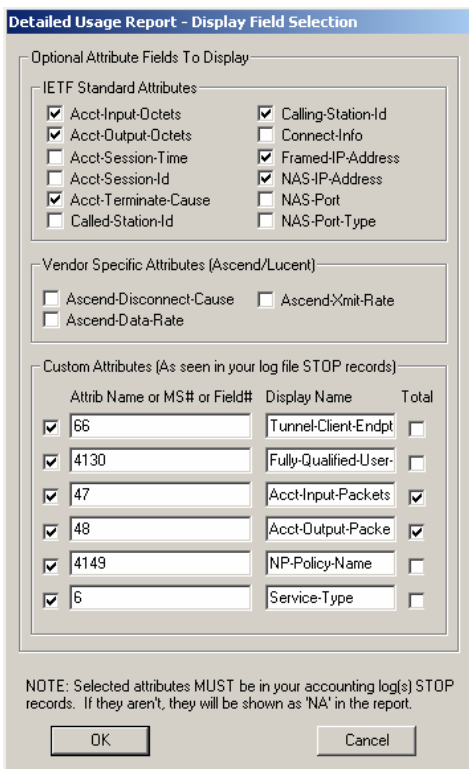
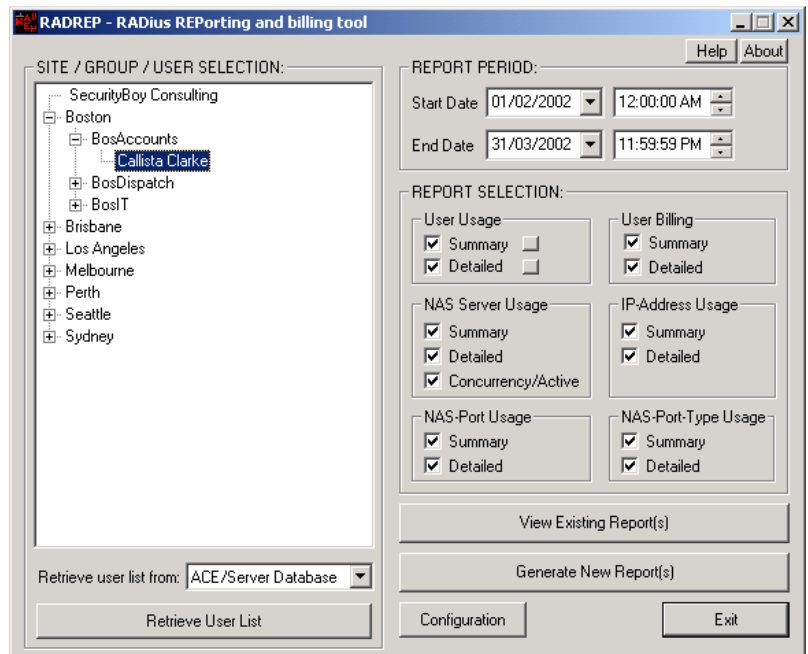
# RADREP - Radius Reporting & Billing Software

Many free and commercial RADIUS servers (including those which are bundled with token based authentication systems) can produce RADIUS accounting log files. Commonly these RADIUS servers have either no tools or inadequate tools to generate any meaningful reports from this captured log information. RADREP™ is an easy to use Windows 32-bit GUI application that is specifically written as a generic RADIUS accounting log analysis and reporting tool. It generates *usage* and *billing* reports from RADIUS accounting logs and outputs these reports in both HTML (web) format for viewing in a standard web browser and CSV (Comma Separated Values) format for viewing and further manipulation in Microsoft Excel. The usage reports are invaluable for help desk troubleshooting purposes and analysing end user or group based network access patterns. The billing reports provide a flexible and straightforward way to implement departmental charge-back and internal billing within an organisation where multiple business units share a common network access infrastructure. Rather than the IT department budget absorbing the cost of providing (remote) network access due to inadequate reporting capabilities, you can now easily charge back this cost to the relevant user or cost centre.

## Features Overview

- Easy to configure and use Windows 98/NT4/2000/XP/2003 GUI application.
- Quick setup time means you will be generating reports from your RADIUS logs within minutes.
- Supports all well known RADIUS server accounting log formats.
- Generates 'Usage' reports showing user usage patterns and aiding in diagnosis of connection problems.
- Generates 'Billing' reports for internal charge back and cost allocation purposes.
- Ideal for Wireless Infrastructure usage reporting and billing.
- Integration with RSA ACE/Server & Authentication Manager
- Ability to group users, and view reports by Site/Location and Group/Department.
- Auto-Run mode allows reports to be generated automatically via the Windows scheduler.
- Ideal for hosting and automatically updating RADIUS reports on a web server such as Microsoft IIS.
- Concise analysis of even the largest RADIUS accounting logs.
- A true RADIUS *log analysis* and reporting tool. No intermediate databases to setup or import log data to before generating reports.
- No hidden Implementation or Database licensing costs.

RADREP can present all RADIUS users in a selectable hierarchy, categorized by Site, Group, and User-Name. Reports can be generated with just a few mouse clicks to select the hierarchical object to report on and the start-end date range.



## Usage Reporting Capabilities\*

- *Usage Summary* report showing a summary of activity for each site, group and user.
- *Usage Detailed* report showing an in-depth connection history of each user's activity.
- *Concurrency* report showing the maximum concurrency reached (per RAS/NAS device) and its duration. This report is perfect for capacity planning.
- *Active Users* report showing those users still connected at the end of the report period.
- *Microsoft IAS Access Accept/Deny* report showing successful and failed access attempts.
- *Log Statistics* report showing the number of START/STOP/INTERIM records processed and number duplicate accounting records found.
- *Historical Report archiving* provides the ability to archive reports for future reference.
- *Report drill down* capabilities allow you to view user and group usage patterns in fine detail.
- Selectable SITE/GROUP/USER Hierarchy for reporting on select users or communities of users.
- Usage Reports can be customized to show only those RADIUS attribute fields you are interested in.
- Reports can be filtered on a NAS-IP-Address so that NAS specific reports can be produced.

## Billing Report Capabilities\*

- ▶ **Billing Summary** Report showing usage totals and costs per 'Site/Group'.
- ▶ **Billing Detailed** Report showing usage totals and costs per 'User-Name'.
- ▶ Charges can be applied to users based on their *usage time* or the *data volume* they transfer.
- ▶ Up to 50 Billing Templates provide the ability to charge different Sites, Groups and Users at different rates.
- ▶ Ability to define:
  - 'Fixed Cost' service line items associated with providing a Network Access Service.
  - Variable 'Usage Time' charge rate for time based billing.
  - A 'Time Allowance' that covers the amount of usage time that the 'Fixed Cost B' line item covers before the 'Usage Time' charge rate also begins to apply.
  - A 'Per Connect' charge rate for session based billing.
  - A 'Data Volume' charge rate based on the amount of data sent/received.
  - A 'Data Volume' *traffic allowance*, which when exceeded has the 'Data Volume' *charge rate* applied to all data in excess of this allowance value.
  - A localized TAX rate.
- ▶ Currency symbol support includes dollars (\$), Pounds (£), Euro (€), Yen (¥) and others.

Configuration - Billing Details

Billing Rate Template Number: 1  Enable Template

SITE/GROUP/USER NAME - Matching Criteria

SITE NAME: Boston [users.csv or ACE Site name]  
 GROUP NAME: BoslT [users.csv or ACE Group name]  
 USER NAME: securityboy [The user's RADIUS User-Name]  
 PROFILE: [users.csv or ACE Profile name]

Include OR Exclude from billing if matched?  
 Include  Exclude

Global Billing Settings

TAX Rate (%) 10  
Currency Symbol \$ (Dollar)

Data Measurement  
 1KB = 1024 Bytes  1KB = 1000 Bytes

Billing Model and Costs/Rates per template

Billing Model:  
 Usage Time  
 Data Volume

Fixed Service Cost A (\$) (Eg. Token) 20.000  
Fixed Service Cost B (\$) (Min Service Fee) 0.000  
Cost per Connect (\$) (Session Fee) 0.000  
Usage Time Cost (\$) (Hourly Fee) 0.000  
Time Covered by Min Service Fee (hrs.min) 0.000

Data Volume Billing

Cost (\$) per MB SENT and RECEIVED combined: 20.480  
MB Covered by Min Service Fee. SENT and RECEIVED combined: 0.250

Cost (\$) per MB. SENT: 0.000 RECEIVED: 0.000  
MB Covered by Min Service Fee. SENT: 0.000 RECEIVED: 0.000

Volume Combined  
 Volume Separate

OK  
Cancel

## Supported RADIUS Servers and Client Devices

- ▶ Microsoft IAS / RAS
- ▶ Livingston based Servers
- ▶ Juniper (Funk) Steel Belted Radius
- ▶ CISCO Secure ACS
- ▶ Novell BorderManager (BMAS)
- ▶ SafeWord PremierAccess
- ▶ Nortel
- ▶ ClearBox RADIUS Server
- ▶ Aradial RADIUS Server
- ▶ TCCRADIUS
- ▶ RSA ACE/Server / Authentication Manager
- ▶ 3Com
- ▶ Ascend Radius
- ▶ Lucent NavisRadius
- ▶ ActivCard/ActivPack
- ▶ Shiva/Intel
- ▶ FreeRADIUS
- ▶ Cistron RADIUS
- ▶ Radiator
- ▶ .....Plus many others

## Hardware & Software Requirements

- ▶ PIII 500MHz or better
- ▶ 512MB RAM \*More RAM will increase the processing speed.
- ▶ ATA100 HDD \*Hard Disk Speed is important. The faster the better.
- ▶ Windows 98/NT4/2000/XP/2003.

### Optional

- ▶ Web Server for hosting the web based reports. (Eg. Microsoft IIS)

## Lite and Extended versions

To cater for the diverse range of business sizes and reporting requirements, RADREP is available in both a Lite version and an Extended version.

**RADREP Lite** is restricted to retrieving user information from RADIUS log files only and not from any other external sources such as a customizable CSV file or the RSA ACE/Server database. Due to this restriction the Lite version does not have the ability to group users by Site/Location or Group/Department. Therefore, it can only generate reports for either an individual user or the entire user base, but not for select communities of users. The Lite version does have basic billing capabilities, allowing you to charge all users based on *either* their 'usage time' or 'data volume' consumption, but not using a mixture of both. It does not provide the ability to bill/charge different end users at different rates for their usage time or data volume bandwidth consumption.

**RADREP Extended** has no functionality restrictions. With the Extended version you are able to read in additional user information (from either a custom CSV file or the RSA ACE/Server) which enables the grouping of users and therefore the ability to generate reports for select communities of users. The Extended version provides up to 50 billing templates and supports mixed mode billing. Mixed mode billing allows you to bill/charge some users by 'usage time' and others by 'data volume' consumption, while also providing the flexibility to charge different Sites, Groups and Users at different charge rates.