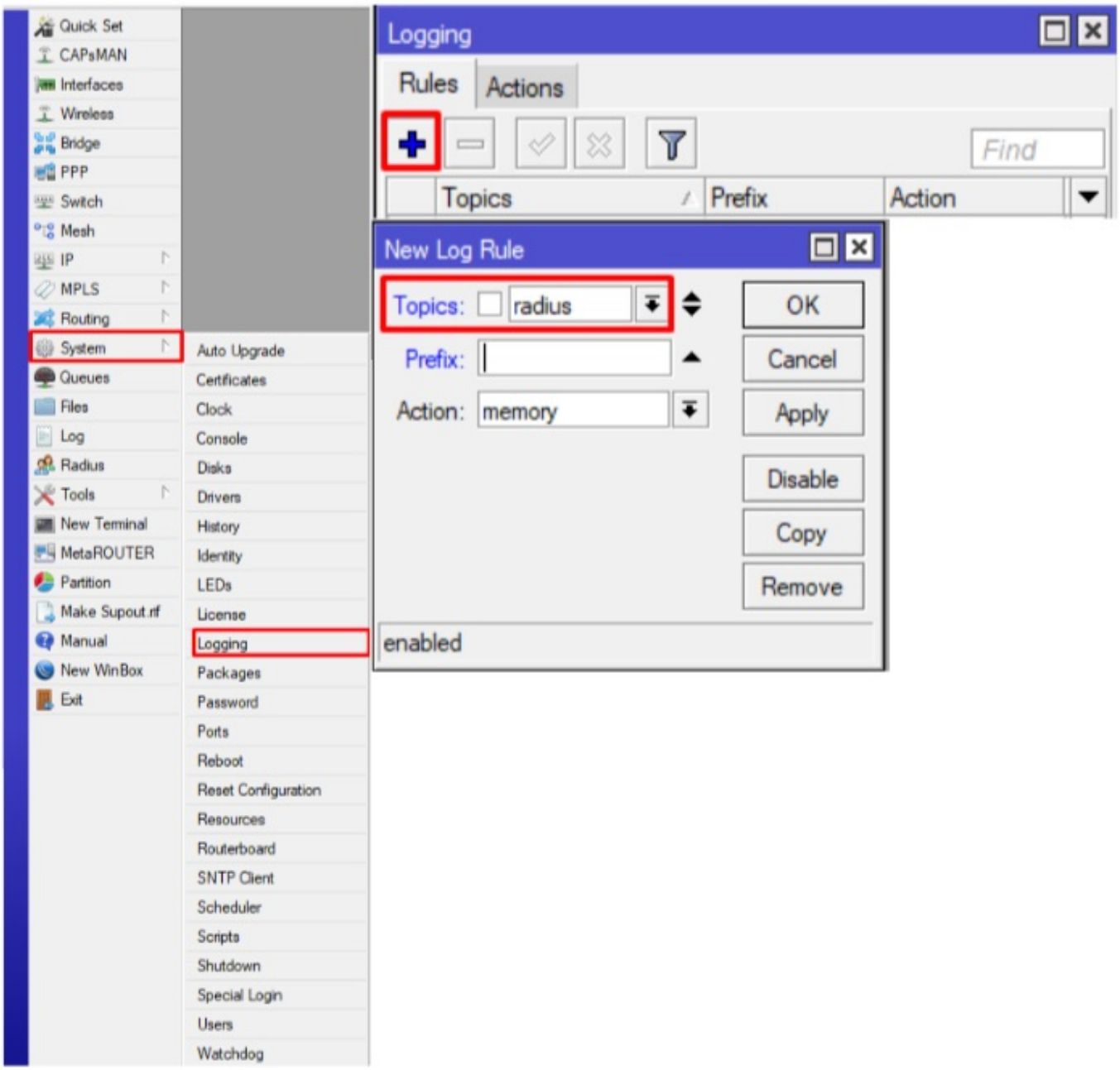
Mikrotik Necessities

The following are settings that are needed and or should be enabled on your Mikrotik Router. The following does not need to be completed in any specific order.

1. Enable Radius Logging on the Mikrotik

The benefits of this is that when an issue does appear, yourself and the HeroTill team will be able to track and identify the issue faster and be able to assist.

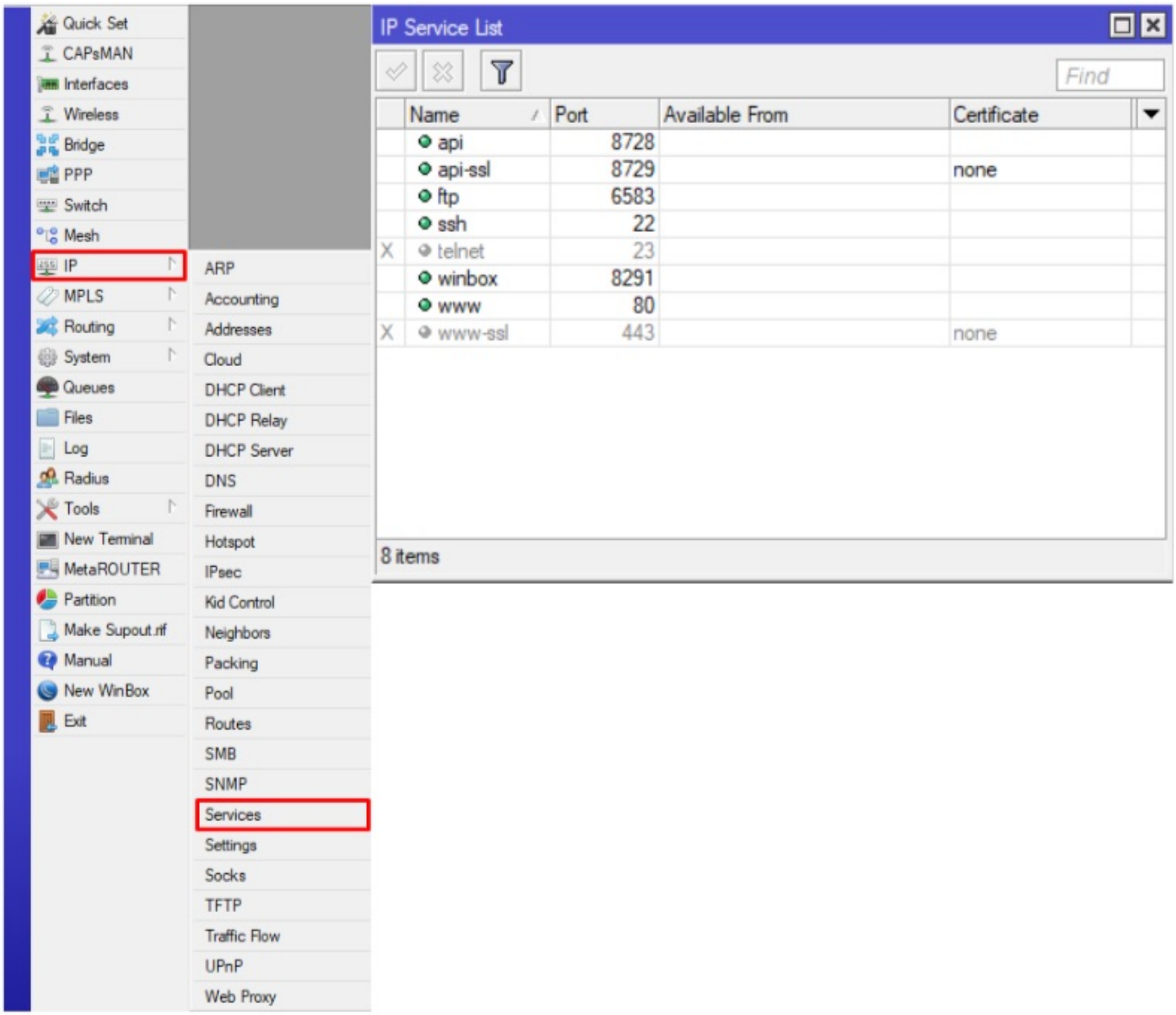

Quick Set
CAPsMAN
Interfaces
Wireless
Bridge
PPP
Switch
Mesh
IP
MPLS
Routing
System
Queues
Files
Log
Radius
Tools
New Terminal
MetaROUTER
Partition
Make Supout.rif
Manual
New WinBox
Exit
Auto Upgrade
Certificates
Clock
Console
Disks
Drivers
History
Identity
LEDs
License
Logging
Packages
Password
Ports
Reboot
Reset Configuration
Resources
Routerboard
SNTP Client
Scheduler
Scripts
Shutdown
Special Login
Users
Watchdog
Logging
Rules
Actions
Find
Topics
Prefix
Action
New Log Rule
Topics:
radius
Prefix:
Action:
memory
OK
Cancel
Apply
Disable
Copy
Remove
enabled

2. IP Services are active and enabled correctly

Make sure all needed IP services are active and enabled correctly. Below is a list of items that needs to be set to active.

API	This is for HeroTill to connect.
API-SSL	This is for HeroTill to connect.
FTP	This is for HeroTill to connect and pull backups/configs. (HeroTill will auto detect the port)
SSH	Access

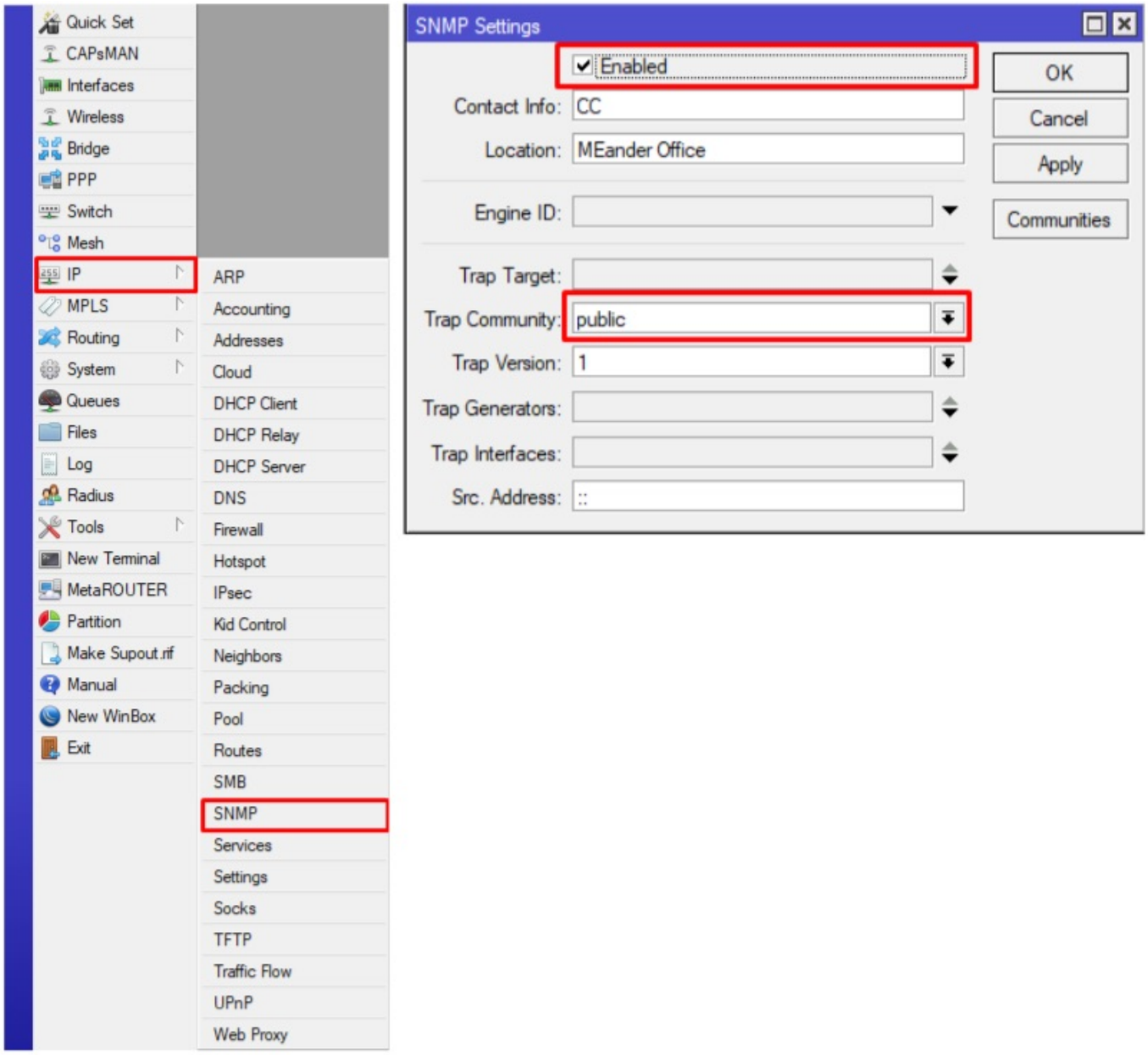
Winbox Access



3. Enabled SNMP:

Please ensure that you SNMP is enabled. Simple Network Management Protocol (SNMP) is a popular protocol for network management. It is used for collecting information from and configuring, network devices, such as servers, printers, hubs, switches, and routers on an Internet Protocol (IP) network.

HeroTill uses this to gain information about the device.



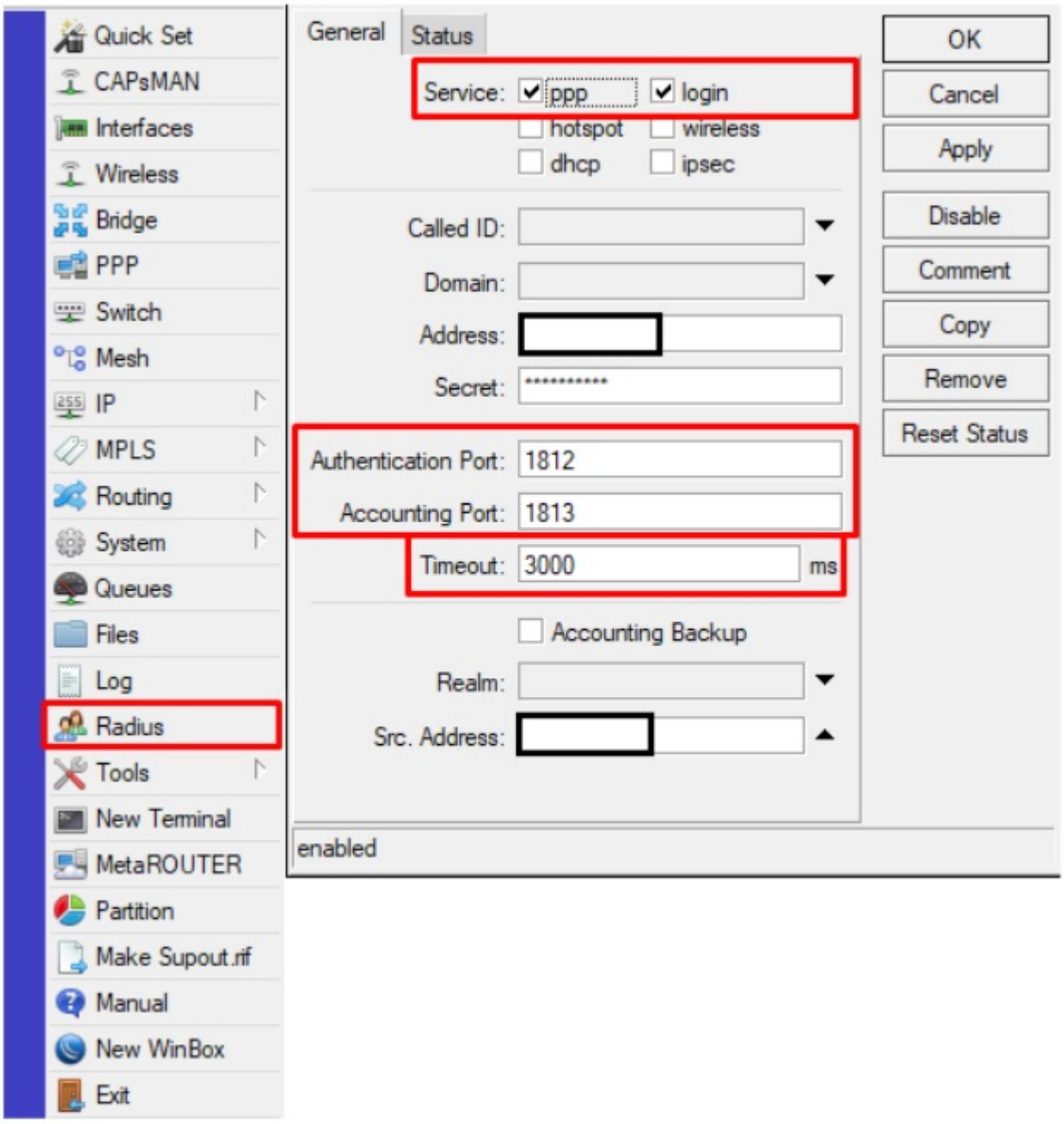
4. Radius settings and Timeouts

Please ensure the correct ports are allowed and that the timeouts are set for Radius for Login. You will need to enable the following

- PPP
- Login

Please set the following accordingly:

- Authentication port: 1812
- Accounting port: 1813
- Time-out: 3000 ms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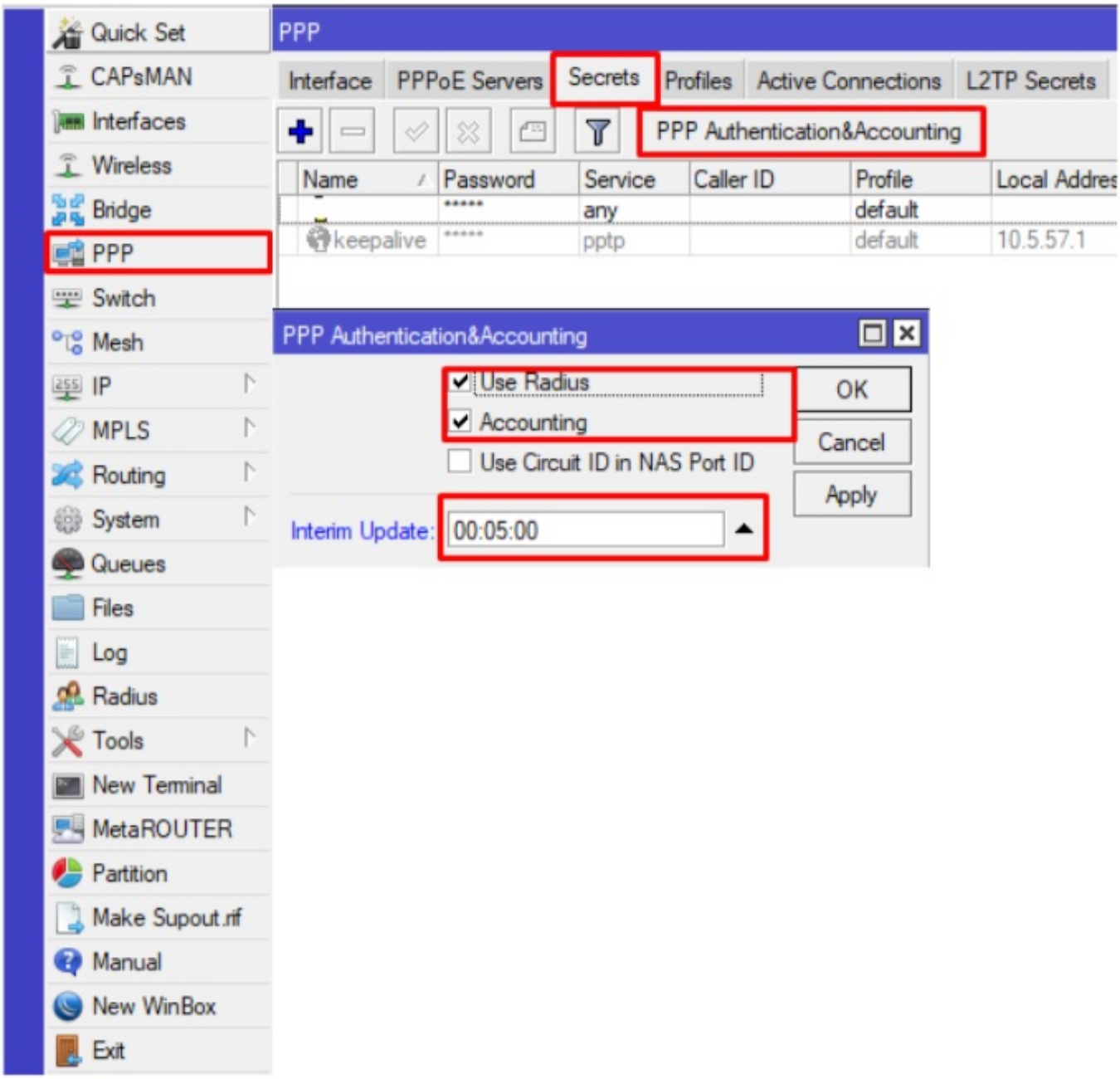
Partition
Make Supout.rif
Manual
New WinBox
Exit
General
Status
Service:
ppp
login
hotspot
wireless
dhcp
ipsec
Called ID:
Domain:
Address:
Secret:
Authentication Port:
1812
Accounting Port:
1813
Timeout:
3000
ms
Accounting Backup
Realm:
Src. Address:
enabled
OK
Cancel
Apply
Disable
Comment
Copy
Remove
Reset Status

5. PPP Accounting Settings:

Please ensure that the PPP accounting is set to use “**Accounting**” and the **Interval** set to 00:05:00 as this allows the account updates to take place correctly.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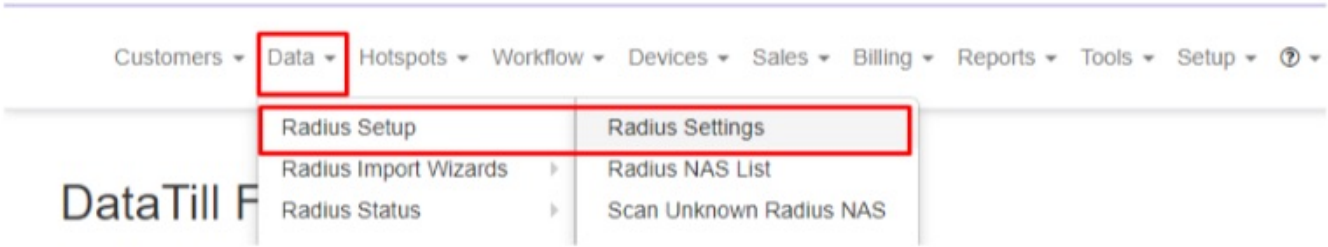
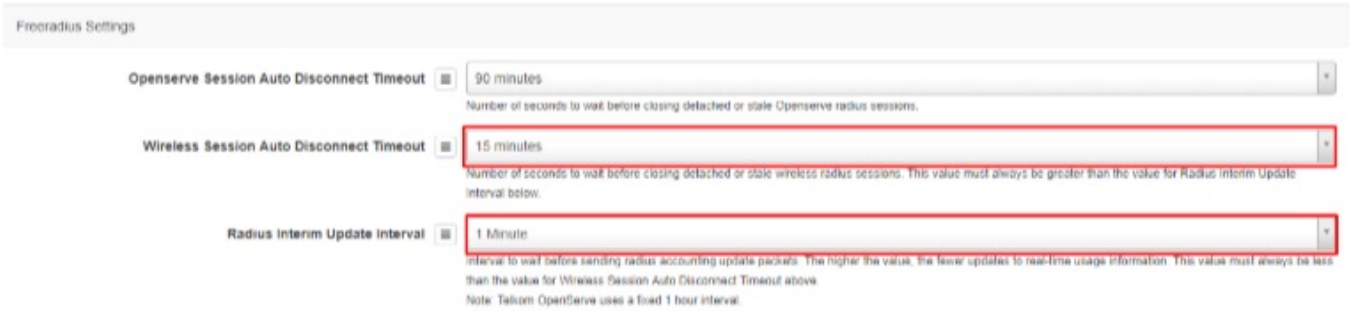
Manual
New WinBox
Exit
PPP
Interface
PPPoE Servers
Secrets
Profiles
Active Connections
L2TP Secrets
PPP Authentication&Accounting
Name
Password
Service
Caller ID
Profile
Local Addres
any
default
keepalive
pptp
default
10.5.57.1
PPP Authentication&Accounting
Use Radius
Accounting
Use Circuit ID in NAS Port ID
OK
Cancel
Apply
Interim Update:
00:05:00

6. On HeroTill:

Apart from The Mikrotik please have a look and adjust the following settings accordingly to what you prefer in relation to Stale Session timeout removal and Interim Update.


Customers
Data
Hotspots
Workflow
Devices
Sales
Billing
Reports
Tools
Setup
Radius Setup
Radius Import Wizards
Radius Status
Radius Settings
Radius NAS List
Scan Unknown Radius NAS
DataTill F


Freeradius Settings
Openserve Session Auto Disconnect Timeout
90 minutes
Number of seconds to wait before closing detached or stale Openserve radius sessions.
Wireless Session Auto Disconnect Timeout
15 minutes
Number of seconds to wait before closing detached or stale wireless radius sessions. This value must always be greater than the value for Radius Interim Update Interval below.
Radius Interim Update Interval
1 Minute
Interval to wait before sending radius accounting update packets. The higher the value, the fewer updates to real-time usage information. This value must always be less than the value for Wireless Session Auto Disconnect Timeout above.
Note: Telkom OpenServe uses a fixed 1 hour interval.