Quick Start Guide for m0n0wall Gateways

Version 1.0

Purpose of this document

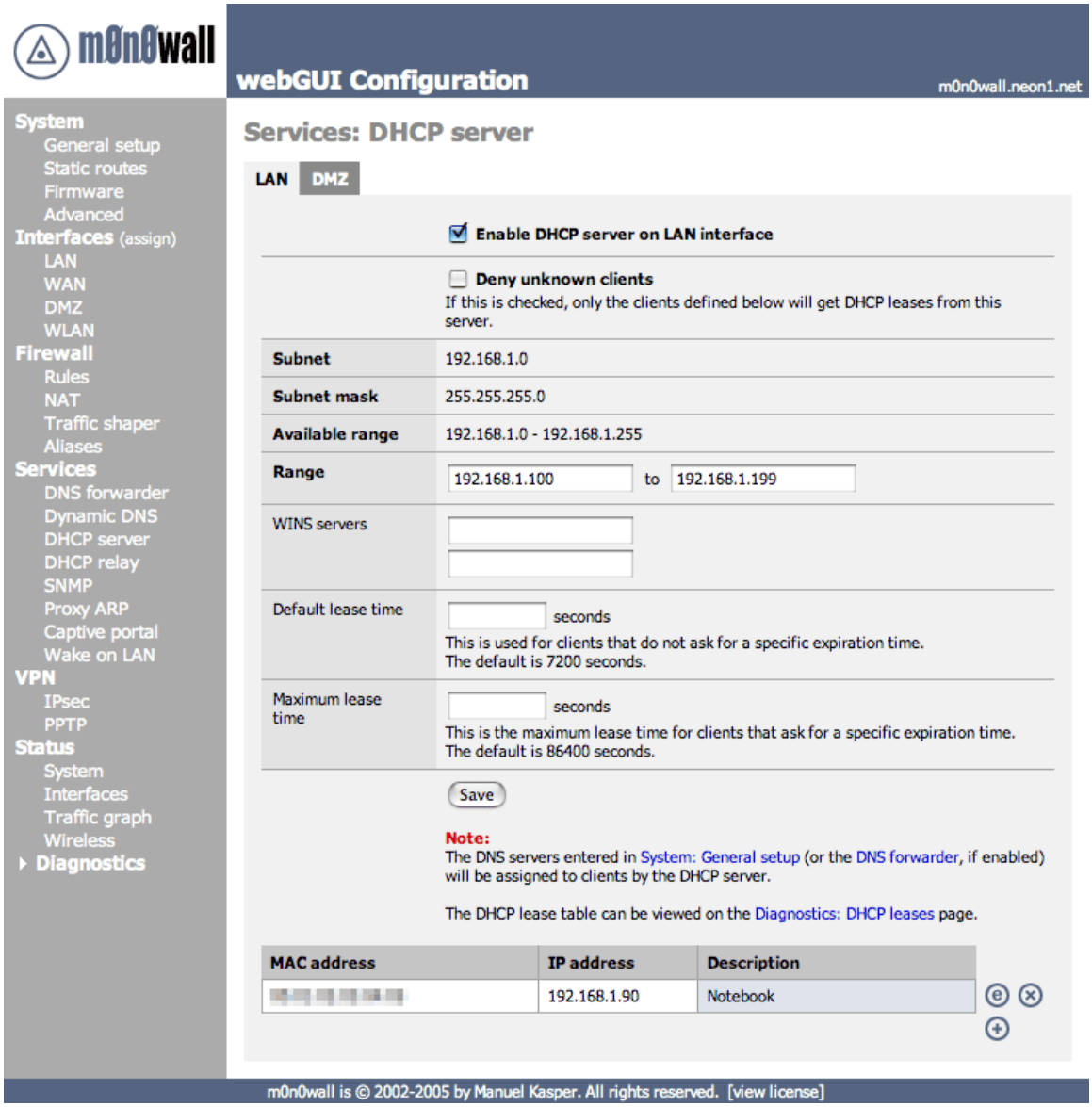
1. This document should be used in conjunction with m0n0wall user guide for configuring your m0n0wall gateway in WiFiLAN. Please refer to WiFiLAN administrator guide and m0n0wall user guide for detail documentation
2. It assumes that the user has basic knowledge of networking including configuring subnet mask, RADIUS setting, default gateway and DNS configuration
3. In order to configure m0n0wall you will need a static IP address, subnet mask, default gateway and DNS information given to you by your Internet Service Provider. Please keep this information handy while setting up your gateway
4. Configuring WiFiLAN you will need the WAN MAC address, RADIUS secret, serial number (if any) and public IP address of your m0n0wall gateway
5. Finally, you need an active WiFiLAN account. Please contact Wifi-soft's sales to create your WiFiLAN account

m0n0wall Setup

We have assumed that you have properly connected your m0n0wall gateway a broadband connection that has a static public IP address. Additionally, your m0n0wall gateway admin interface is accessible either via the LAN interface or via the public WAN interface as shown in the figure below.

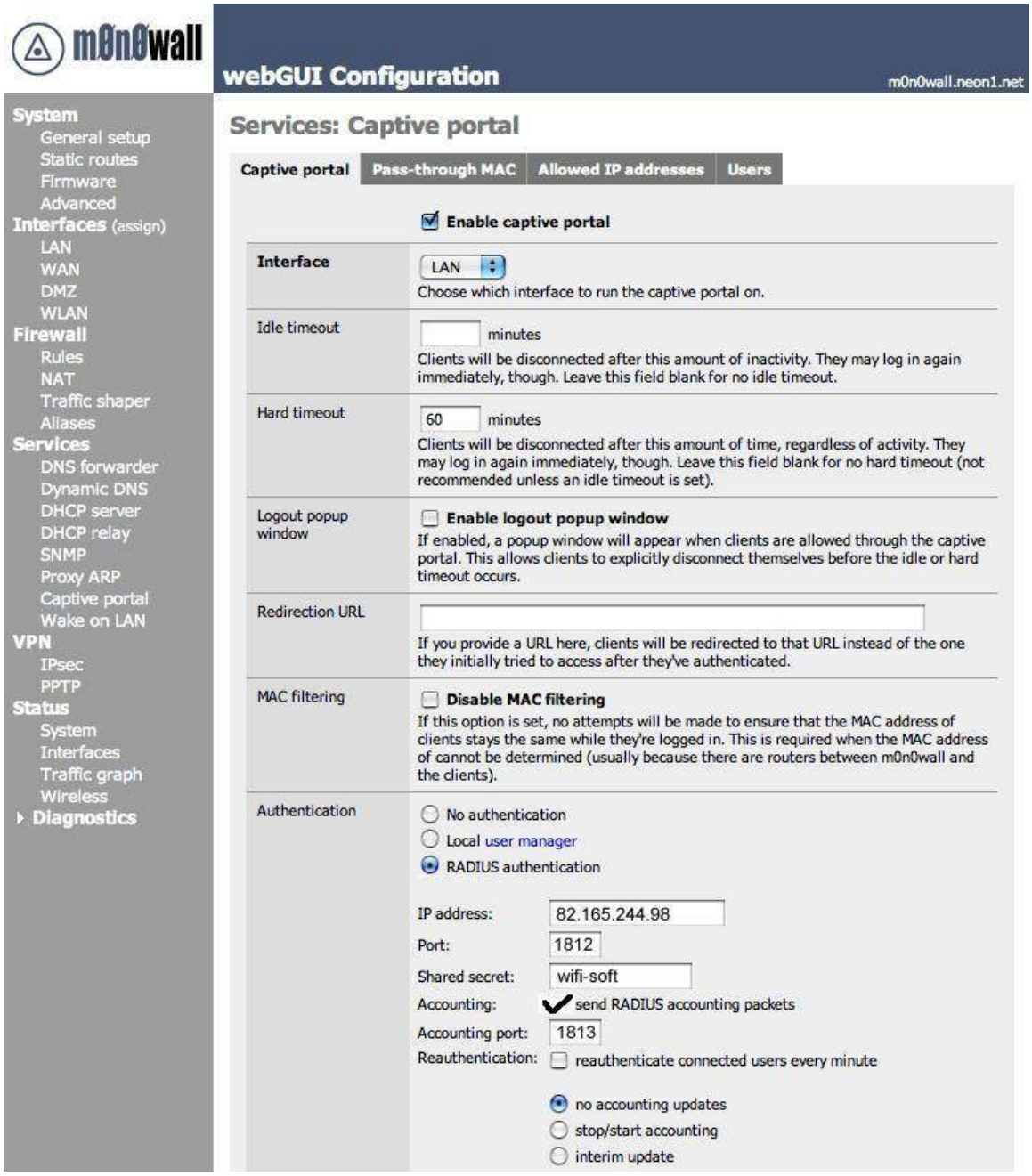
Configure the relevant parameters for gateway as shown above.

Next, you need to click on the DHCP Server link under the Services menu. Assuming that your APs are connected on LAN interface, enable the DHCP server as shown below.



Unless you need to customize your lease time, leave the default and maximum lease time blank so that default values are taken. Adjust the Range of your IP addresses according to your subnet.

Next, click on the Captive Portal link under the Services menu. The following page will be displayed:



Since m0n0wall configuration supports only one RADIUS server. You need to add the primary RADIUS Server in m0n0wall. In future, when a backup server is supported, you can enter the IP address of our backup server.

Server Name	IP Address	Port
Primary RADIUS server	74.208.78.152	1812
Secondary RADIUS server	174.143.144.224	1812

Enter the desired secret key. Please remember this key since you will need it while configuring your gateway in WiFiLAN.

Next check the Enable Accounting check box. For RADIUS servers enter the same information and for port number, please enter **1813**.

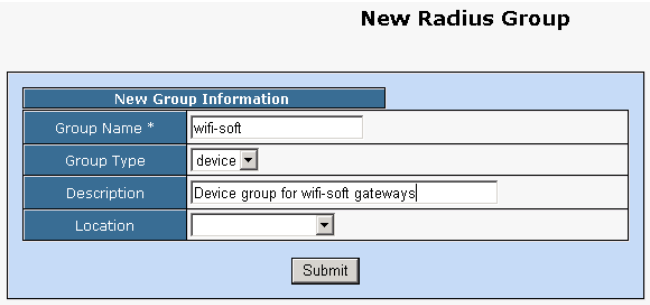
If you create your own login portal page, then you need to follow the instructions listed below to correctly authenticate your users. If the redirect URL is configured, then your users will be redirected to this URL after they successfully login.

WiFiLAN Setup

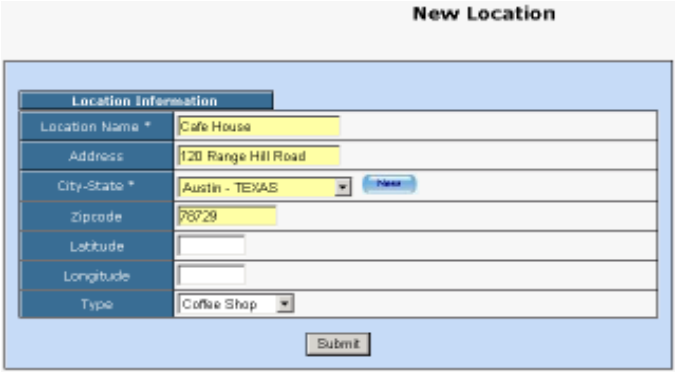
1. You need to log into WiFiLAN by pointing your browser to

   https://www.wifi-soft.net/wifilan/

2. Before you add your first gateway in RADIUS section, you need to create a device group to organize your gateways. To create a new device group, click on the RADIUS menu option and then on the Groups submenu.

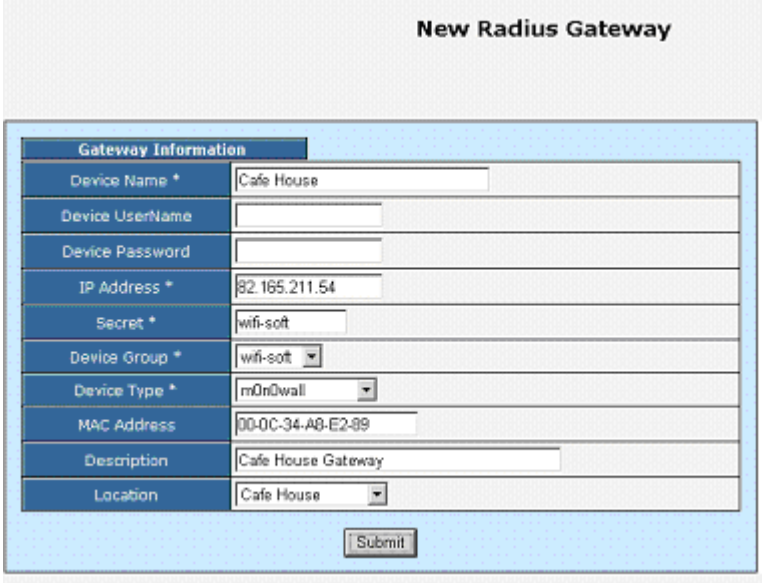


3. Next you can a location entry for your new hotspot location. Although this step is optional, we highly recommend that you create a location entry since it helps you organize your hotspot locations and generate various location specific reports. To create a new location entry, click on RADIUS menu and then on the Location submenu. You need to click on New Location tab to enter a new location.



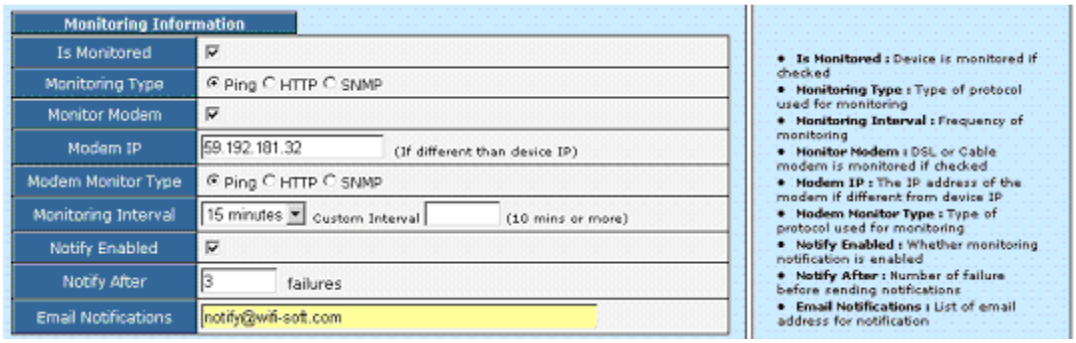
4. Once the location entry for your hotspot is created, you may proceed to add your first gateway entry. To add a new gateway, click on the RADIUS menu and then on the Gateway submenu. Click on the New Gateway tab to add a new gateway.

The description of each parameter is as follows:



- Device Name: A friendly name for the gateway
- UserName & Password: Needed for gateways that fetch their configuration from RADIUS server. Optional
- IP Address: Public IP of the gateway
- Secret: The RADIUS secret configured in the gateway
- Device Group: The device group that we created in the previous step
- Device Type: Type of Device
- MAC Address: The MAC address of the WAN port
- Location: The location where the gateway is installed

You may add more information about the gateway in the Network section. Additionally, you can also configure the gateway for 24x7 monitoring by specifying the monitoring parameters as shown below:



That's it. You newly configured m0n0wall gateway is ready for RADIUS authentication. You may configure the login and welcome URL for your gateway so that user can enter username and password that will be sent to our RADIUS server for authentication.

Please make sure that you use username@realm as username on your login pages so that it would be easier for you to support roaming in the future.

For more information on creating user accounts, please refer to the WiFiLAN administrator guide.