

PiBox - Feature #374

Add mac address filtering to hostapd config

10 Aug 2014 22:46 - Hammel

Status:	Closed	Start date:	10 Aug 2014
Priority:	Immediate	Due date:	
Assignee:	Hammel	% Done:	100%
Category:	04 - Root File System	Estimated time:	0.00 hour
Target version:	0.10.0		
Severity:	03 - Medium		
Description			
See this config example and search for <code>macaddr_acl</code> to see how to use it.			
Related issues:			
Related to piboxwww - Bug # 409: Missing hostapd values on save		Closed	09 Dec 2014

Associated revisions

Revision 2fe6105d - 10 Dec 2014 10:20 - Hammel

RM #374: Added MA_MFENABLE, MA_MFLIST and MA_RESTART actions for MT_NET.

Revision 507c3bf9 - 10 Dec 2014 10:21 - Hammel

RM #374: Added support for MA_MFENABLE, MA_MFLIST and MA_RESTART actions for MT_NET.

Revision 8f7d489b - 10 Dec 2014 10:22 - Hammel

RM #374: Add support for mac filtering in hostapd.

Revision 522247f9 - 11 Dec 2014 16:40 - Hammel

RM #374: Added support for setting MAC ACLs.

Revision 439a6cba - 11 Dec 2014 16:40 - Hammel

RM #374: Changed MA_MFLIST to support a new subAction field for get/set options.

Revision e8b01b84 - 11 Dec 2014 16:41 - Hammel

RM #374: Added support for retrieving the MAC ACL list for the caller.

History

#1 - 11 Sep 2014 10:01 - Hammel

- Priority changed from Urgent to Immediate

#2 - 09 Dec 2014 10:23 - Hammel

- *Status changed from New to In Progress*
- *% Done changed from 0 to 10*

Here's what needs to be done.

1. In bui/web Access Point tab
 1. Add: Enable MAC Filtering checkbox
 1. If enabled, read `accept_mac_file`
 2. If disabled, clear input fields
2. Add: list of 5-8 device input fields (limited to avoid scrolling in the app)
2. In `hostapd.conf`, if MAC Filtering is enabled
 1. Add: `macaddr_acl=1` (Deny unless in list)
 2. Add: `accept_mac_file=/etc/hostapd.accept`
3. Update: `save()` tests if filtering enabled
 1. If enabled, rewrite `accept_mac_file`
 2. If enabled, restart `hostapd`

#3 - 10 Dec 2014 10:19 - Hammel

- *% Done changed from 10 to 50*

The code is implemented in both javascript/php and in `piboxd`. The creation of the accept file is working but the `macaddr_acl=?` change is not because of RM #409. I need to fix that one before I can finish this one.

#4 - 10 Dec 2014 14:20 - Hammel

- *% Done changed from 50 to 80*

RM #409 is fixed and this fixes the problem with the missing `macaddr_acl=?` line.

Only thing that's missing now is showing the mac address list on entry to the hostap tab if mac acl is already enabled. This would be handled with a modification to the `setTab()` function in `settings.js`.

#5 - 11 Dec 2014 16:45 - Hammel

- *Status changed from In Progress to Closed*
- *% Done changed from 80 to 100*

Added support for showing the mac acl list on first entry to the access point tab depending on whether or not its currently enabled.

All updates tested on target, committed, and pushed.

That completes this feature. Closing issue.