

## **pibox-network-config - Feature #398**

### **Show mac addresses**

11 Nov 2014 13:56 - Hammel

<b>Status:</b>	Closed	<b>Start date:</b>	11 Nov 2014
<b>Priority:</b>	Urgent	<b>Due date:</b>	
<b>Assignee:</b>	Hammel	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	0.10.0		
<b>Severity:</b>	02 - High		
<b>Description</b>			
The MAC addresses should be displayed somewhere on the main page, probably based on the interface selected. This makes it easier for users who use MAC filtering on their routers.			

#### **Associated revisions**

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##### **Revision 23094883 - 12 Nov 2014 17:16 - Hammel**

RM #398: Make bui-network-config conform to use of -T instead of -t for aps.

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##### **Revision 691ed5d1 - 12 Nov 2014 17:17 - Hammel**

RM #398: Add ability to test with themed interface.

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##### **Revision 86f56845 - 12 Nov 2014 17:17 - Hammel**

RM #398: Add mac address field and prep for filling it correctly.

##### **Revision 86f56845 - 12 Nov 2014 17:17 - Hammel**

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##### **Revision 1d8949b1 - 14 Nov 2014 17:06 - Hammel**

RM #398: Move code that retrieves mac address to its own function so it can be called under different conditions.

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**Revision c3ea01dd - 14 Nov 2014 17:07 - Hammel**

RM #398: Remove frame border from around MAC address but keep it selectable (for cut-n-paste option).

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**Revision ac5aff89 - 14 Nov 2014 17:09 - Hammel**

RM #398: Update interface-related fields upon opening the window.

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**Revision d2d58a17 - 14 Nov 2014 17:09 - Hammel**

RM #398: Update mac address in places where it wasn't retrieved because it was one of the previously configured interfaces in `/etc/network/interfaces`.

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**Revision fcb6562b - 15 Nov 2014 23:15 - Hammel**

RM #398: Added missing formatting in logger call. Removed unnecessary call to `populate()` that caused a segfault on ARM but not Intel.

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**Revision 80290e60 - 16 Nov 2014 19:44 - Hammel**

RM #398: Run `bui-network-config` in embedded mode.

**Revision 41d0edd1 - 20 Nov 2014 15:28 - Hammel**

RM #398: Add mac address field to ipv4 settings tab of web interface.

**Revision 1f5a0514 - 20 Nov 2014 15:29 - Hammel**

RM #398: Add support for inbound MA\_GETMAC request, which returns the MAC address of the specified interface or a single space character if the interface does not exist.

## History

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**#1 - 12 Nov 2014 17:20 - Hammel**

- *Status changed from New to In Progress*
- *% Done changed from 0 to 30*

Added mac address field. This is filled in with the mac address if the interface is found in /etc/network/interfaces. However if we find additional interfaces not configured then no mac address is provided.

The fix for this is to merge unconfigured network interfaces with those found in /etc/network/interfaces. The former are currently only kept by name while the latter have a data structure that can hold the mac address (among other things). So we need the former to also use that data structure so we can grab the mac address even if the interface is not configured.

**#2 - 14 Nov 2014 17:11 - Hammel**

- *% Done changed from 30 to 70*

Completed this coding and tested on the desktop. Now need to try it on the target.

**#3 - 16 Nov 2014 19:58 - Hammel**

- *Status changed from In Progress to Closed*
- *% Done changed from 70 to 100*

Test on hardware failed at first due to an esoteric bug that showed up only on ARM (but not Intel). That's fixed now and the mac addresses show up correctly.

Closing the issue.