

HotSpot Network Manager

Quick Start Guide

Guide Version 4.0

May 2015

Software Version 4.0.x

PROMETEO S.p.A. Via Roma, 61 31010 Fonte Treviso Italy Tel: (+39) 0423 9292 Fax: (+39) 0423 929392 info@hsnetworkmanager.com www.hsnetworkmanager.com THE SPECIFICATIONS AND INFORMATION CONTAINED IN THIS MANUAL ARE SUBJECT TO CHANGE WITHOUT ANY NOTICE. ALL STATEMENTS, INFORMATION AND RECOMMENDATIONS IN THIS MANUAL ARE INTENDED TO BE ACCURATE, BUT ARE PRESENTED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED. USERS ASSUME FULL RESPONSIBILITY FOR THE USE.

IN NO EVENT SHALL PROMETEO S.P.A. OR ITS SUPPLIERS BE LIABLE FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES, INCLUDING WITHOUT LIMITATION LOSS OF PROFITS OR LOSS OR DAMAGE TO DATA ARISING OUT OF THE USE OR INABILITY TO USE THE MANUAL THOUGH PROMETEO S.P.A. OR ITS SUPPLIERS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Prometeo, HSNM, HsNetworkManager and logos Prometeo, HSNM and HsNetworkManager are trademarks of Prometeo S.p.A. The third party trademarks are the property of their respective owners.

Copyright © 2015 PROMETEO S.p.A. All rights reserved.

Introduction

This brief is a step by step guide that will help you to configure the HSNM and a hotspot to test thoroughly every product functionalities.

Installing the HSNM Software (VMware)

This section will guide you through the procedure to follow for installing a software HSNM.

Content of the ZIP file (downloaded from our Website)

The content of the zip file that you have downloaded from internet is as follows:

- 1 x HSNM (VMware Player 5.0 ready)
- 1 x Hotspot Network Manager for VMware Quick Start Guide

1 - Installing VMware Player 6.0 or Later Version on your Pc/Server

First, it is necessary to install VMware Player 5.0 or later version on your pc. You can download it from the VMware website at:

http://www.vmware.com/go/downloadplayer/

To install, run the downloaded file and follow the instructions.

2 – Unzipping the HSNM to your PC

Unzip HSNM.ZIP file into a folder of your computer

Nuovo Apri Prefenti Aggury	s Estra Visualizza	Prova Guida				
ome =	Tipo	Modificato	Dimensione	Rapporto Compressione	Compr	Percorso
ymware-2.log	Documento di testo	20/06/2012 10.52	110.790	85%	16.956	hsnml,
vmware-Llog	Documento di testo	20/06/2012 16.19	110.244	85%	17.062	hsnml,
vmware-0.log	Documento di testo	20/06/2012 16.37	109.282	85%	16.730	hsnml
vmware.log	Documento di testo	21/06/2012 14.24	109.625	85%	16.938	hsnml
version	File	13/06/2012 17.34	1	0%	1	HSNM(caches)(GuestAppsCache)(appData)
version	File	13/06/2012 17.34	1	0%	1	HSNM(caches)/GuestAppsCache/JaunchMen
SMSStation.nvram	VMware virtual machi	21/06/2012 14.24	8.684	86%	1.193	hsnml,
launchMenu.menudata	File MENUDATA	21/06/2012 11.55	14.076	78%	3.135	HSNMI,caches\GuestAppsCache\launchMenx
HSNM-VIRT-InstallationManual-ENG.pdf	Adobe Acrobat Docu	21/06/2012 14.19	1.737.689	10%	1.558	
HSNM-s126.vndk					1 ×1 152	hsnml
HSNM-s125.vmdk			-		662	hsnml,
HSWM-s124.vmdk Estrai in:				Estrai	783	hsnml,
HSNM-s123.vmdk C:\VMware			*	2 0	763	hsnml,
H5NM-s122.vmdk	Patala Mad		57.6	Annula Annula	750	hsnml
HSMM-s121.vmdk	Lartellevoisci				751	hsnml,
H5NM-s120.vmdk (* Files Seleziona	8	Risorse del computer		• ?	750	hsnml
HSNM-s119.vmdk C Tutti i Files		 Disco locale (C.) 			750	hsnml,
HSNM-s118.vmdk C Files		12			750	hsnm),
HSNM-s117, vmdk		Config.Msi			751	hsnml;
HSNM-s116.vmdk	r anistanti	e o del			750	hsnm),
HSNM-s115.vmdk		Le Documents ar	d Settings		750	hsnml,
H5MM-s114.vmdk Salta files mend	recenti	Helpub			750	hsnini,
HSNM-s113.vmdk 🛛 🔽 Usa nomi carte	le	B Discretione			751	hsnml,
HSNM-s112.vmdk	nine Discus	E Cochar		1.00	750	hsnml,
HSNM-s111.vmdk	there is a second	Badio Mobile			750	hsnml,
HSNM-s110.vmdk		BECYCLER			750	tisnml,
HSNM-s109.vmdk		System Volum	e Information		751	hsnml,
H5NM-s108.vmdk		Po VMware			750	hsnml,
HSNM-s107.vmdk		. WINDOWS		+	750	hsnml,
UCARA +102 und	and the second sec				10 751	hennel

3 – Opening the HSNM with VMware Player

Execute VMware Player, then open HSNM.vmx file inside the HSNM folder that you have unzipped before.



4 – Powering the HSNM on

Power HSNM on "Play virtual machine" link in the VMware Player. Answer "I moved it" to the window that appears. After, more or less, 1 minute the appliance turns on.

😵 VMware Player File 🔸 Virtual Machine 🔸 Help	×
Home	
-51 LICANA	
Have	
	HSNM
	I SHIT
	State: Powered Off
	OS: Other
	Version: Workstation 6.5-7.x virtual machine
	RAM: 2 GB
	Play virtual machine
	Edit virtual machine settings
	vm ware [.]



5 - Connecting to the Computer for the First Configuration

Connect a pc to the same switch of the computer where the HSNM is installed, then set its IP address to 192.168.0.0/24 class (e.g. 192.168.0.100).

Preferred DNS server:	• • •
Preferred DNS server:	
Use the following DNS serve	er addresses:
Obtain DNS server address	automatically
Default gateway:	
Subnet mask:	255.255.255.0
IP address:	192.168.0.100
Output Description (Output Description)	s:
Obtain an IP address autom	natically
his capability. Otherwise, you no or the appropriate IP settings.	eed to ask your network administrator
ou can get IP settings assigned	automatically if your network support:

Warning! Do not set PC IP address to 192.168.0.250 because this is the IP address of the HSNM.

Administration Interface

Logging in to the HSNM Web Administration

To log in for the first time to the system and configure it according to your needs, open the web browser of the computer connected to the HSNM and enter <u>http://192.168.0.250</u> in the address bar. The login page will appear in the HSNM web management interface.



Log in to the administration area

Enter as Username "admin" and password "0000" then press "Enter" or "Login" button.

Assigning Network Parameters

To define the IP address to be assigned to the HSNM interface, click on the "Admin" tab and select " System Settings".



Configuration options for the administrator

Follow these steps:

- Enter in the "IP address", the IP address that you want to assign to the HSNM as to connect it to your network (e.g. 192.168.0.200);
- On "Subnet mask" enter the network mask in CIDR format (example: 24);
- On the "Gateway"enter your network gateway (e.g. 192.168.0.1);
- On "primary DNS" and "secondary DNS" insert valid DNSs (Example: 8.8.8.8);
- In the "Host name" field enter the name for your device (Example: HSNM1).

HS NETWORK ₩ - 0 > 0	G C C Sys	stem settings ork configuration, web serve	er, radius, sms, etc.
Admin Data Search	Network		÷
© General options	Server rule	Master	Current server rule in the context of the round robin and data replication servers. The slave servers can't perform the activities such as backup, restore, compaction, etc.
Static routes	IP address	192.168.0.250	Public or private IP address of the device assignable (Warning! The system is preconfigured with the IP 192.168.0.10 and is not editable. The device will always be reachable via this address)
• Federation (Out)	Subnet mask	24	The device network mask in decimal format (For example, 255.255.255.0; 24 matches 16 corresponds to 255.255.0.0)
Federation (In)	Gateway	192.168.0.1	IP address of the gateway router, which allows an Internet connection
🖹 Syslog	Primary dns	8.8.8.8	Primary dns IP address
Documentation	Secondary dns	8.8.4.4	Secondary dns IP address
New version available	Host name	host	Enter a name to identify the device in the network
	Round robin hosts		
	Alternative host 1 domain nam	10	Set the domain name for the first alternative host (For example, www.domainname.com or hsmm2.nomedominio.it) that will be accessible from the web interface administration apparatus. This domain must be properly registered with a Registrant and must have DNS configured properly otherwise the web interface may not be reachable. You can set the domain name with the IP address which reach the appliance (eg. Public IP of the router if the WAN IP's private)
	Alternative host 1 IP address		Define the IP address of the first alternate host
			Set the domain name for the second alternative host (For example, www.domainname.com or hsnm3.nomedominio.tt) that will be accessible from the web interface administration

Now on the upper right corner in the command bar, click on the "Save" button, and then on the "Restart services" button to assign the new IP address to HSNM.

Now you can login to the HSNM web administration through the new IP address that you have set.

Setting the 🗢 Hotspot Gateway (HGW)

Click the "Data" tab on the upper left side menu, then click the \square arrow next to " \blacksquare Reseller XYZ Inc", click the \square arrow next to " \blacksquare Manager ABC Ltd", click the \square arrow next to " CoffeeHouse", click the the context properties button \equiv of "CoffenHouseHotspot". Here you have to click " Edit" to enter the hotspot gateway settings section.

	Default O C Dasiliboard	
Admin Data Search	Preview user interface	<u>م</u> اليا <u>س</u> ا
* 8	Edit	
⊿ ⊙ Svstem ≡	☑ Edit	
	ピ Copy	
	¥ Cut	
🖌 📃 Coffee House Ltd 🛛 🚍	🖻 Delete	
🖌 嶜 CoffeeHouse 🛛 🚍		
	Admin	
🕨 😤 HeadOffice 🛛 🚍	Connected devices	
🕨 📢 World Travel Agency 🛛 🗮	Gateways map	lan'15 Feb'15 Mar'15
	Ownload gateway config files	
	Welcome portal	
	🗞 Custom app	
	🖾 Custom images	
	Templates	
	Translations	
	Walled garden	

Scroll down to "Fields to generate configuration script for the Mikrotik gateway" section, here you can set the network parameters of the hotspot.

	H		• 0 /	Φ	G	\$	Gatew Add or ed	/ay lit a hotspot gat	teway for th	e manager	Gateway config. files	Save	
	Ac	dmin Data	Searc *	h C		Add ether2 to gatew	ray bridge				e ether2 of gateway in brid activate the hotspot servi tivated only if the gatew more network adapters		
-	0	System		=		Wan							
	-	 Reseller XYZ Inc Coffee House Ltd CoffeeHouse CoffeeHouse CoffeeHouse 	J seHotspot			Same network of the appliance	e	¥.		Enable if the gatewa IP) of the appliance subject to a NAT. If script, will be entered configuration, a state Name, set up in 1 (generally private) gateway is in the sis- gateway may not be	ay is in the same network (p e and if both access to enabled, in the gateway c d the commands to define, lic host that will associate he system setup, to the of the device. If not enab me network natted' of the e able to contact the same c		
		🕨 🐸 HeadOffice		=		Wan interface		ether1	-				
	•	World Travel Age	ency	=		Uses VLan							
						Uses DHCP client f	or the Wan						
						Wan IP address		192.168.0.100					
						Wan Network mask		255.255.255.0					
						Wan Gateway		192.168.0.1					
						Hotspot							
						IP address		10.10.10.1					-

In the "Wan" subsection: in "Wan IP Address" field, enter the IP address that has to be assigned to the hotspot Wan. This address has to be a part of your network. In the "Wan Network mask" field insert subnet mask, in the "Wan Gateway" field insert the gateway of your network. Following the example above, if your network is 192.168.1.0/24 and you configured your HSNM with 192.168.1.250 IP address, the WAN IP address field will be 192.168.1.240, "Wan Network mask" 255.255.255.0 and the "Wan Gateway" the IP address of your xDSL router.

Now click "Save" button on the top right side of page. A blue popup with the phrase "The data has been saved successfully" will appear.

	Add or ec	/ ay lit a hotspot gateway for tl	ne manager	Gateway config. files	Save
Admin Data Search	Add ether2 to gateway bridge			ne ether2 of gateway in bridge activate the hotspot service activated only if the gateway r more network adapters	e with the Also on you are
4 ⊙ System =	Wan				
 ▲ Reseller XYZ Inc ▲ Coffee House Ltd ▲ Coffee House ▲ Coffee House ■ ◆ Coffee House Hotspot 	Same network of the appliance	¥	Enable if the gatew IP) of the applian subject to a NAT. I script, will be enter configuration, a sta Name, set up in (generally private) gateway is in the s gateway may not b	ay is in the same network (phy ce and if both access to int f enabled, in the gateway con ed the commands to define, in atic host that will associate the the system setup, to the iP of the device. If not enabled arme network 'natted' of the de e able to contact the same dev	vsical and ernet are ofiguration the DNS > Domain > address d and the evice, the rice.
🕨 嶜 HeadOffice 🛛 🚍	Wan interface	ether1			
► 📢 World Travel Agency 🛛 🗮	Uses VLan				n interface
	Uses DHCP client for the Wan				
	Wan IP address	192.168.0.100			
	Wan Network mask	255.255.255.0			
	Wan Gateway	192.168.0.1			. Should er internet
	Hotspot				
	IP address	10.10.10.1			er2)

By clicking on "Download files for configuring hotspot/PPPoE" it will be shown a warning screen about the RouterOS version needed for the configuration file to work. By clicking on OK, it starts a download of a zip file named "CoffeeHouse.zip" containing the needed files for configuring the Mikrotik RoterOS hotspot.

Configuring the Mikrotik Gateway

To configure the Mikrotik gateway, please follow these steps:

- 1) Unzip the file, that you have downloaded before, on your computer.
- 2) Download winbox from http://download2.mikrotik.com/winbox.exe
- 3) Power on Mikrotik routerboard.



4) Connect an Ethernet cable to ether1 of Mikrotik routerboard.



5) Connect the other end of the cable to your computer.



6) Open Winbox and press on "..." button, then select your routerboard by clicking on its MAC Address and click on "connect" button (login=admin without password).

Connect To:			Connect		
Lastas	MAC Address	IP Address	Identity	Version	Board Name
Password:	D4:CA:6D:2D:9E:3A	0.0.0.0	MikroTik	6.19	RB951-2n
Note:					

7) Go to "New Terminal" menu on the left and you should see "Terminal" window. Then, on it, write this command:

system reset-configuration no-defaults=yes After that click on "Y" to reset and reboot the device

and press the " delta Enter button"

after that press on "y" to reset and reboot the device.

8) Now it will be possible to configure Mikrotik Gateway. So login again with Winbox and click on "File" menu on the left and you should see "File list" of your mikrotik routerboard.

📎 admin@00:0C:4	2:33:8B:53 (FireMktProme	eteo) - WinBox v5.20 on RB493AH (mip	sbe)			
🖒 🖓 Safe Mo	ode					
Interfaces						
Wireless						
Bridge		File List				
PPP			-			
Switch		Backup	Restore		Find	
	-	File Name	∠ Type	Size	Creation Time	\mathbf{T}
Mesh		BckCfgFirewallPro.backup	backup	688.6 KiB	Oct/24/2012 19:00:02	
IP	N	CC4L-LTT.key	.key file	203 B	Jul/08/2010 09:39:15	
MELO	N	CfgFirewallPro.rsc	script	226.6 KiB	Oct/24/2012 19:30:04	
MPLS	1.	auto-before-reset.backup	backup	960.6 KiB	Jan/01/1970 01:02:35	
Routing	1 N	🖹 autosupout.rif	.rif file	254.8 KiB	Jun/29/2009 13:17:24	
Sustan	N	Dpub	directory		Jul/17/2012 15:28:34	
System	1	e re.rsc	script	74.5 KiB	Sep/11/2012 10:58:30	
Queues		skins	directory		Jul/17/2012 15:23:58	
Files						
Log						
Radius						
Tools	P					
New Terminal						
MetaROUTER						
Make Supout.rit	()	8 items 35.3 MB	of 61.4 MB used	42% f	ree	
Manual						

9) Open the folder on your PC where you have unzipped the file at step 1) and copy the .rsc file (in case of HotSpot configuration the file name will be ConfigScriptHotSpotRouterOS.rsc, while in case of PPPoE Server configuration the name will be ConfigScriptPPPoERouterOS.rsc.

~~~~						
► HSNM_HotspotConfiguration	•		<b>•</b>	Cerca HSNM_Ho	tspotConfiguration	Q
File Modifica Visualizza Strumenti ?						
Organizza 🔻 🎒 Apri 🔻 Masterizza	Nuo	va cartella				0
🔶 Preferiti	Â	Nome	Ultima modifica	Тіро	Dimensione	
🥅 Desktop		🐌 hotspot	31/10/2012 08:57	Cartella di file		
🗼 Download		ConfigScriptHotSpotRouterOS.rsc	31/10/2012 08:57	File RSC	11 KB	
🔄 Risorse recenti						
🛜 Raccolte						
Documenti						
📄 Immagini						

10) Come back to winbox and paste "ConfigScriptHotSpotRouterOS.rsc" (in case of HotSpot configuration) or "ConfigScriptPPPoERouterOS.rsc" (in case of PPPoE Server configuration) file into "File List".

<b>)</b> (	admin@00	):0C:42:33	:8B:53 (FireMktPromete	eo) - WinBox v5.20 on RB493AH (mipsbe)				
ю		afe Mode						
	Interfaces	3						
	Wireless							
	Bridge			File List				×
	PPP			Backup Best	ore		Find	٦
	Switch			Cla Nama	( T	Cine	Creation Time	_
	Mesh			BckCfgFirew Paste ackup	hackup	688.6 KiB	Oct/24/2012 19:00:02	-
	IP	▶		CC4L-LTT.key	.key file	203 B	Jul/08/2010 09:39:15	
	MDLC	N.		ConfigScriptHotSpotRouterOS.rsc	script	10.5 KiB	Oct/31/2012 09:02:59	
	MPLS			auto belore reset backup	backup	960.6 KiB	Jan/01/1970 01:02:35	
	Routing			🖹 autosupout.rif	.rif file	254.8 KiB	Jun/29/2009 13:17:24	
	Custom	N. 1		🛄 pub	directory		Jul/17/2012 15:28:34	
	System			🖹 re.rsc	script	74.5 KiB	Sep/11/2012 10:58:30	
	Queues			🗀 skins	directory		Jul/17/2012 15:23:58	
	Files							
	1							
	Log							

11) Open again the folder on your PC where you have unzipped the file at step 1) and copy the "hotspot" folder in case you are configuring a HotSpot or the "roundrobindomains.txt" in case you are configuring a PPPoE Server.

	A 5 8-2-1 88	H T AMON	-	Autor				x
→ HSNM_HotSpotConfiguration	•	_		<b>▼</b> 4 ₇	Cerca HSNM_HotSp	otConfigu	ration	٩
<u>File M</u> odifica <u>V</u> isualizza Strum <u>e</u> nti <u>?</u>								
Organizza 🔻 😭 Apri 🛛 Includi nella racc	colta 🔻 Condividi con 👻 Masterizza	Nuova cartella				•		0
🔶 Preferiti	Nome	Ultima modifica	Тіро	Dimensione				
📃 Desktop 📃	퉬 hotspot	03/09/2014 11:11	Cartella di file					
🐌 Download	ConfigScriptHotSpotRouterOS.rsc	03/09/2014 11:11	File RSC	21 KB				
🗐 Risorse recenti								
Raccolte Documenti Immagini Musica Video Computer Sico locale (C;)								
hotspot Ultima modifica: 03/09 Cartella di file	9/2014 11:11							

12) Come back to winbox, delete the "hotspot" folder if there is already one, and click on paste icon to copy "hotspot" folder or "roundrobindomains" file into "File List".

admin@D4:CA:6D:2[	);9E:3A (HsnmCloudSaaSDEMO) -	WinBox v6.15 o	on RB951-2n (mip	sbe)	. 🗆
Safe Mode				🔽 Hide Passwo	ords 📕
🔏 Quick Set					
🔚 Interfaces					1
I Wireless	File List				×
Stidge	T E Cackup	Restore		Find	
PPP	File Name Paste	/ Type	Size	Creation Time	-
	ConfigScriptHotS, atBourerOS.rsc	script	20.2 KiB	Jan/02/1970 01:15:05	+
🛫 Switch	🖹 auto-before-reset.backup	backup	41.9 KiB	Jan/02/1970 01:01:56	
ିଅ Mesh	🖹 autosupout.rif	.rif file	330.6 KiB	Dec/09/2013 21:50:27	
in h	🗀 hotspot	directory		Jan/02/1970 01:02:16	
(型) IP	- Hotepot/alogin.html	.html file	1648 B	Jan/02/1970 01:02:16	
🖉 MPLS 🛛 🖻	🖹 hotspot/error.html	.html file	938 B	Jan/02/1970 01:02:16	_
Deutice N	📄 hotspot/errors.txt	.txt file	3719 B	Jan/02/1970 01:02:16	
Routing	🔁 hotspot/img	directory		Jan/02/1970 01:02:16	
🍪 System 🗈	hotspot/img/bk-status.png	.png file	3273 B	Jan/02/1970 01:02:16	
Duques	hotspot/img/bytes-icon.png	.png file	488 B	Jan/02/1970 01:02:16	
2 queues	hotspot/img/connected-icon.	png file	440 B	Jan/02/1970 01:02:16	
📄 Files	hotspot/img/cp-bk-logoff-mo.	png file	2317 B	Jan/02/1970 01:02:16	
E Log	hotspot/img/cp-bk-submit-mo	png file	2273 B	Jan/02/1970 01:02:16	
	hotspot/img/ip-icon.png	.png file	408 B	Jan/02/1970 01:02:16	
All Radius	hotspot/img/loader.gif	.gif file	4178 B	Jan/02/1970 01:02:16	
🗙 Tools 🛛 🕅	hotspot/img/mac-icon.png	.png file	260 B	Jan/02/1970 01:02:16	+
New Terminal	48 items 15.0 MiB	of 64.0 MiB used	76	% free	
🛃 MetaROUTER					
🅭 Partition					
📑 Make Supout.rif					

13) Click on "New Terminal" menù on the left and you should see "Terminal" window. Then on it write this command:

For HotSpot gateway

• import ConfigScriptHotSpotRouterOS.rsc

For PPPoE gateway

• import ConfigScriptPPPoERouterOS.rsc

0	Safe Mode														
Quick	k Set	Terminal													
Interf	aces	T Cirrianda													
Wirel	less														
Bridge	ie 👘														
PPP															
Swite	sh	WWW	MMM		vvv					т			vvv		
Mesh	1	MMMM	MMMM		KKK					Т	TITTTTTT	•	KKK		
IP	N	MMM M	MMM MMM	III	KKK	KKK	RRRRR	2	000	000	TTT	III	KKK	KKK	
		MMM 1	MM MMM	III	KKKI	CK (	RRR I	RRR	000	000	TTT	III	KKK	ĸĸ	
Hout	ing i	MMM	MMM	III	KKK	KKK	RRRRRI	2	000	000	TTT	III	KKK	KKK	
Syste	em 🗈	MMM	MMM	111	KKK	KKK	RRR	RR	000	000	1.1.1.	111	KKK	KKK	
Queu	les	Mikro	Tik Rout	erOS	5.16	(c) 1	.999-20	12		http:/	/www.mikro	tik.c	:om/		
Files															
Log															
Radiu	us														
Tools	s P	Fadmin®	MikroTik	1 >	import	Conf	iaScri	tHo	tSnot	Router	OS rec				
New	Terminal	Opening	script	file	Confi	igScri	.ptHotSp	ootR	outer	OS.rsc					
Metal	ROUTER	Script	file los	hob.	and as	vecute	d succ	oof							
Make	e Supout.rif	[admin0	SubwaySu	biac	0] >	Couce	.u bucci		arry						
Manu	ual														
Exit															

14) Go to "System->Password" menu and insert a password for admin user on both "New password" and "Confirmed Password" fields, then click the "Change" button.

📎 admin@192.168.0.1	(FireMktPrometeo) - WinE	3ox v5.20 on RB493/	AH (mipsbe)		
Safe Mode					
Interfaces Wireless	File List	Backup Restore	•		Find
PPP Switch IP N MPLS N Bouting	File Name BckCfgFirewallPr CC4L-LTT.key auto-before-reset autosupout.rif pub re.rsc skins	z backup backup	Type backup key file backup .rif file directory script directory	Size 688.6 Ki 203 I 960.6 Ki 254.8 Ki 74.5 Ki	Creation Time         ▼           3         Oct/24/2012 19:00:02           3         Jul/08/2010 09:39:15           3         Jan/01/1970 01:02:35           3         Jun/29/2009 13:17:24           Jul/17/2012 15:28:34         Sep/11/2012 10:58:30           Jul/17/2012 15:23:58         Jul/17/2012 15:23:58
System  Queues Files Log Radius Tools New Texting	Auto Upgrade Certificates Clock Console Drivers Health	35.0 MB of 61.4	MB used	42%	; free
New Terminal MetaROUTER Make Supout.rif Manual Exit	History Identity LEDs License Logging NTP Client NTP Server Packages Password		c	hange Old Password:	Change Cancel

Now your mikrotik routerboard is configured.

# **Connecting the Hotspot Gateway**

Connect the Mikrotik hotspot gateway that you have just configured to the same network where HSNM is connected.



### **Notebook Connection**

Search for the Wi-Fi networks with a notebook and you will find a network called "CoffeeHouse".



Connect to this network by clicking the "Connect" button.

Connect to a Network	ouse		
	IT	<b>.</b>	Cancel 09:07

# Logging in to the Hotspot

In the notebook, open a web browser and try to load a website, you will be redirected to the hotspot Welcome Portal.



### **Documentation**

For further reading, please click the "Admin" tab on the upper left side menu, then press the "Documentation" button where you will find the "Administration Manual" and the "Set Up Your Mikrotik HotSpot or Your PPPoE Gateway" manual.