

# Managing Hotspot users with the User-Manager

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# What is user-Manager

A management system that can be used for:

- *Hotspot users;*
- *PPP (PPTP/PPPoE) users;*
- *DHCP users;*
- *Wireless users;*
- *RouterOS users.*

# A routerOS package

dele@00:0B:6B:31:B2:BD (proxy) - WinBox v2.9.42

00:46:32 Memory:

Interfaces  
Wireless  
PPP  
Bridge  
IP  
Routing  
Ports  
Queues  
Drivers  
System  
Files  
Log  
SNMP  
Users  
Radius  
Tools  
New Terminal  
Telnet  
Password  
Certificate  
Make Supout.rif  
Manual  
Exit

**Package List**

	Name	Version	Build Time	Scheduled
	routeros-x86	2.9.42	Mar/27/2007 13:08:18	
	advanced-t...	2.9.42	Mar/27/2007 14:07:30	
	dhcp	2.9.42	Mar/27/2007 14:07:34	
	hotspot	2.9.42	Mar/27/2007 14:07:39	
	ntp	2.9.42	Mar/27/2007 14:07:47	
	ppp	2.9.42	Mar/27/2007 14:07:36	
	routerboard	2.9.42	Mar/27/2007 14:07:50	
X	routing	2.9.42	Mar/27/2007 14:07:37	
	routing-test	2.9.42	Mar/27/2007 14:08:01	
	rstp-bridge-...	2.9.42	Mar/27/2007 14:07:46	
	security	2.9.42	Mar/27/2007 14:07:33	
	synchronous	2.9.42	Mar/27/2007 14:08:14	
	system	2.9.42	Mar/27/2007 14:07:25	
	ups	2.9.42	Mar/27/2007 14:07:47	
X	web-proxy	2.9.42	Mar/27/2007 14:08:12	
	webproxy-t...	2.9.42	Mar/27/2007 14:08:02	
	wireless	2.9.42	Mar/27/2007 14:07:41	
X	wireless-leg...	2.9.42	Mar/27/2007 14:07:45	
	user-manager	2.9.42	Apr/02/2007 10:53:19	

# Requirement

- \* You should have the same version for RouterOS and the User Manager package.
- \* The MikroTik User Manager works on x86 and MIPS processor based routers.
- \* The router should have at least 32MB RAM and 2MB free HDD space.

# User-manger & Hotspot

- Set HotSpot to use User Manager for HotSpot server users,  
`/ ip hotspot profile set hsprof1 use-radius=yes`
- Add radius client to consult User Manager for HotSpot service.  
`/ radius add service=hotspot address=10.4.4.254  
secret=thisisdtrick`

# User Manager configuration

Create User Manager subscriber;  
Could have more than one subscriber on the user-manager with different database

dele@00:0B:6B:31:B2:BD (proxy) - WinBox v2.9.42

Interfaces  
Wireless  
PPP  
Bridge  
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Routing  
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Queues  
Drivers  
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Radius  
Tools  
New Terminal  
Telnet  
Password  
Certificate  
Make Supout.tif  
Manual  
Exit

**Terminal**

```
MMM      MMM      KKK      TTTTTTTTTT      KKK
MMMM     MMMM     KKK      TTTTTTTTTT      KKK
MMM MMMM MMM III  KKK KKK RRRRRR   OOOOOO      TTT      III  KKK  KKK
MMM MM  MMM III  KKKKKK   RRR  RRR  OOO  OOO      TTT      III  KKKKKK
MMM      MMM  III  KKK KKK  RRRRRR   OOO  OOO      TTT      III  KKK  KKK
MMM      MMM  III  KKK  KKK  RRR  RRR   OOOOOO      TTT      III  KKK  KKK

MikroTik RouterOS 2.9.42 (c) 1999-2007      http://www.mikrotik.com/

Terminal vt102 detected, using multiline input mode
[dele@proxy] > tool user
[dele@proxy] tool user-manager> customer add login=dele password=12345
```

# Login to the user-manager web interface

The image shows a screenshot of a Microsoft Internet Explorer browser window. The address bar displays the URL `http://10.4.1.1/userman?drop_cookie=true`. The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The toolbar contains various icons for navigation and utility, such as Back, Forward, Stop, Refresh, Home, Search, Favorites, and Print. The address bar shows the current page is `http://10.4.1.1/userman`. The browser's search bar is set to Google. The toolbar also includes icons for Bookmarks, Check, AutoLink, AutoFill, and Send to. The browser's status bar shows three tabs: MikroTik Routers and..., MikroTik Routers and..., and `http://10.4.1.1/user...`. The main content area displays the MikroTik RouterOS User Manager login page. The page features the MikroTik logo and the text "RouterOS User Manager". Below the logo, there are two input fields labeled "login" and "password", and a "Login" button.

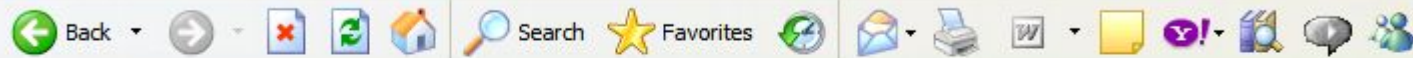
Address: `http://10.4.1.1/userman`

login

password

Login





Address http://10.4.1.1/userman

Google G Go Bookmarks 39 blocked Check AutoLink AutoFill Send to

Search web... Search Web Maps Favorites PC Health Spaces Form Fill

Y! Search Web Mail My Yahoo! Basketball Games Music

MikroTik Routers and... MikroTik Routers and... http://10.4.1.1/user...

# MikroTik

RouterOS User Manager

login

password

# MikroTik RouterOS User Manager

- Status
- Routers
- Credits
- Users
- Sessions
- Customers
- Reports
- Logs
- Logout

### Search users



**Active users:** 0

**Active sessions:** 0

### Add users

**Number of users:**

**Rate limits:**

**Uptime limit:**

**Prepaid:**

Generate CSV file

Generate vouchers

Users per page:

# Add HotSpot router information to router list,

The screenshot shows the MikroTik RouterOS User Manager web interface accessed via Microsoft Internet Explorer. The browser's address bar shows the URL `http://10.4.1.1/userman`. The interface includes a navigation menu on the left with options: Status, Routers, Credits, Users, Sessions, Customers, Reports, Logs, and Logout. The 'Users' menu item is highlighted, and a sub-menu is open with 'View' and 'Add' options. The main content area is divided into three sections: 1. 'Search users' with a search input field and a 'Search' button. 2. 'Active users: 0' with a 'Show' button. 3. 'Active sessions: 0' with a 'Show' button. On the right side, there is an 'Add users' form with the following fields: 'Number of users' (input field with value 1), 'Rate limits' (checkbox), 'Uptime limit' (input field with value 0s), 'Prepaid' (dropdown menu with 'no credits available' selected), 'Generate CSV file' (checked checkbox), 'Generate vouchers' (checked checkbox), and 'Users per page' (dropdown menu with value 1). An 'Add' button is located at the bottom right of the form. The Windows taskbar at the bottom shows the Start button, several open applications (Internet Explorer, Document1 - Micros..., Microsoft PowerPoi...), and the system tray with the time 1:40 AM.

# MikroTik RouterOS User Manager

- Status
- Routers
- Credits
- Users
- Sessions
- Customers
- Reports
- Logs
- Logout

**Search users**



Active users: 0

Active sessions

**Add users**

Number of users:

Rate limits:

Uptime limit:

Prepaid:

Generate CSV file

Generate vouchers

**Add router**

Name:

IP Address:

Shared Secret:

Log events:

- Authorisation ok
- Authorisation failed
- Accounting ok
- Accounting failed



- Status
- Routers
- Credits
- Users
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- Reports
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- Logout

**Routers**

Per page: 20

<input type="checkbox"/>	▽ Name ▲	▽ IP Address ▲	▽ Shared secret ▲	Log events
<input type="checkbox"/>	Nicon-AP	10.4.4.24	thisisdtrick	auth ok & auth fail & acct fail

Edit  Search



# Create credit category

The screenshot shows the Mikrotik RouterOS User Manager web interface. The browser window title is "http://10.4.1.1/userman - Microsoft Internet Explorer". The address bar shows "http://10.4.1.1/userman". The page content includes a sidebar menu on the left and a main content area titled "Routers".

**MikroTik RouterOS User Manager**

- Status
- Routers
- Credits **View**
- Users **Add**
- Sessions
- Customers
- Reports
- Logs
- Logout

**Routers**

Per page: 20

<input type="checkbox"/>	Name <small>△</small>	IP Address <small>△</small>	Shared secret <small>△</small>	Log events
<input type="checkbox"/>	Nicon-AP	10.4.4.24	thisisdtrick	auth ok & auth fail & acct fail

Buttons: Edit, Search

Windows taskbar: Done, Internet, start, http://10.4.1.1/us..., Document1 - Micros..., Microsoft PowerPoi..., 1:43 AM



- Status
- Routers
- Credits
- Users
- Sessions
- Customers
- Reports
- Logs
- Logout

**Routers**

▾ N...

Nico...

Edit

**Add credit**

Name:

Time:

Full Price:  available

Extended Price:  available

Add



- Status
- Routers
- Credits
- Users
- Sessions
- Customers
- Reports
- Logs
- Logout

**Routers**

Name

Nico

Edit

**Add credit**

**Name:**

**Time:**

**Full Price:**  available

**Extended Price:**  available

Add



# MikroTik

RouterOS User Manager

- Status
- Routers
- Credits
- Users
- Sessions
- Customers
- Reports
- Logs
- Logout

## Credits

**Add credit**

Rem

**Name:**

**Time:**

**Full Price:**  available

**Extended Price:**  available

# MikroTik RouterOS User Manager

- Status
- Routers
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- Sessions
- Customers
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- Logout

**Add credit**

Name:

Time:

Full Price:  available

Extended Price:  available



- Status
- Routers
- Credits View
- Users Add
- Sessions
- Customers
- Reports
- Logs
- Logout

**Credits**

Per page: 20

<input type="checkbox"/>	▽ Name ▲	▽ Time ▲	▽ Full Price ▲	▽ Extended Price ▲
<input type="checkbox"/>	<a href="#">1hr</a>	1w	250.00	10.00
<input type="checkbox"/>	<a href="#">2hr</a>	1w	400.00	20.00
<input type="checkbox"/>	<a href="#">monthly</a>	4w:2d	2500.00	unavailable

# Adding hotspot users

http://10.4.1.1/userman - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://10.4.1.1/userman

MikroTik Routers and... MikroTik Routers and... http://10.4.1.1/user...

**MikroTik**  
RouterOS User Manager

- Status
- Routers
- Credits
- Users View
- Sessions Add
- Customers Add batch
- Reports
- Logs
- Logout

Credits

Per page: 20

<input type="checkbox"/>	▽ Name ▲	▽ Time ▲	▽ Full Price ▲	▽ Extended Price ▲
<input type="checkbox"/>	1hr	1w	250.00	10.00
<input type="checkbox"/>	2hr	1w	400.00	20.00
<input type="checkbox"/>	monthly	4w:2d	2500.00	unavailable

# Adding individual users

The screenshot shows a Microsoft Internet Explorer browser window displaying the MikroTik RouterOS User Manager interface. The address bar shows `http://10.4.1.1/userman`. The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The address bar also shows a 'Go' button. The browser's address bar contains three tabs: 'MikroTik Routers and...', 'MikroTik Routers and...', and 'http://10.4.1.1/user...'. The main content area displays the MikroTik RouterOS User Manager interface. On the left, there is a navigation menu with the following items: Status, Routers, Credits, Users, Sessions, Customers, Reports, Logs, and Logout. The 'Credits' section is active, showing a list of credits with columns for Name, 1hr, 2hr, and monthly. A 'Remove' button is visible below the list. The 'Add user' dialog box is open, displaying the following fields and options:

- User Name:**
- Password:**
- Private Information:**
- First Name:**
- Last Name:**
- Phone:**
- Location:**
- Email:**
- IP Address:**
- Pool Name:**
- Group:**
- Download limit:**
- Upload limit:**
- Uptime Limit:**
- Rate limits:**
- Rate limit:** RX  TX
- Burst rate:** RX  TX
- Burst threshold:** RX  TX
- Burst time:** RX  TX
- Priority:**
- Min rate:** RX  TX
- Add time:**

An 'Add' button is located at the bottom right of the dialog box.

# MikroTik RouterOS User Manager

- Status
- Routers
- Credits
- Users
- Sessions
- Customers
- Reports
- Logs
- Logout

### Credits

<input type="checkbox"/>	▼ Name
<input type="checkbox"/>	1hr
<input type="checkbox"/>	2hr
<input type="checkbox"/>	monthly
<input type="button" value="Remove"/>	

### Add user

**User Name:**

**Password:**

**Private Information:**

First Name:

Last Name:

Phone:

Location:

Email:

**IP Address:**

**Pool Name:**

**Group:**

**Download limit:**

**Upload limit:**

**Uptime Limit:**

**Rate limits:**

Rate limit: RX  TX

Burst rate: RX  TX

Burst threshold: RX  TX

Burst time: RX  TX

Priority:  ▼

Min rate: RX  TX

**Add time:**  ▼

# Adding users in batches

http://10.4.1.1/userman - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://10.4.1.1/userman

MikroTik Routers and... MikroTik Routers and... http://10.4.1.1/user...

**MikroTik**  
RouterOS User Manager

- Status
- Routers
- Credits
- Users
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- Reports
- Logs
- Logout

### Add users

**Number of users:**

**Additional login prefix:**

**Rate limits:**

Rate limit: RX  TX

Burst rate: RX  TX

Burst threshold: RX  TX

Burst time: RX  TX

Priority:  ▼

Min rate: RX  TX

**Uptime limit:**

**Prepaid:**  ▼

Generate CSV file

Generate vouchers

Users per page:  ▼



- Status
- Routers
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- Sessions
- Customers
- Reports
- Logs
- Logout

### Add users

**Number of users:**

**Additional login prefix:**

**Rate limits:**

Rate limit: RX  TX

Burst rate: RX  TX

Burst threshold: RX  TX

Burst time: RX  TX

Priority:

Min rate: RX  TX

**Uptime limit:**

**Prepaid:**

Generate CSV file

Generate vouchers

Users per page:



- Status
- Routers
- Credits
- Users**
- Sessions
- Customers
- Reports
- Logs
- Logout

**Users**

1 2 >> (Total: 21) Per page: 20

<input type="checkbox"/>	▼ Username ▲	▼ Prepaid ▲	▼ Used ▲	Left	▼ Price ▲	▼ Download ▲	▼ Upload ▲
<input type="checkbox"/>	<a href="#">iviola</a>	4w:2d	0s	4w:2d	2500.00	0 B	0 B
<input type="checkbox"/>	<a href="#">1Hnt4ds</a>	1w	0s	1w	250.00	0 B	0 B
<input type="checkbox"/>	<a href="#">1Hui4qm</a>	1w	0s	1w	250.00	0 B	0 B
<input type="checkbox"/>	<a href="#">1Ht6az5</a>	1w	0s	1w	250.00	0 B	0 B
<input type="checkbox"/>	<a href="#">1Hvwnhz</a>	1w	0s	1w	250.00	0 B	0 B
<input type="checkbox"/>	<a href="#">1Hh28cd</a>	1w	0s	1w	250.00	0 B	0 B
<input type="checkbox"/>	<a href="#">1Huarxd</a>	1w	0s	1w	250.00	0 B	0 B
<input type="checkbox"/>	<a href="#">1Hfmmc7</a>	1w	0s	1w	250.00	0 B	0 B
<input type="checkbox"/>	<a href="#">1Hxvpim</a>	1w	0s	1w	250.00	0 B	0 B
<input type="checkbox"/>	<a href="#">1Hnpvqf</a>	1w	0s	1w	250.00	0 B	0 B
<input type="checkbox"/>	<a href="#">1Ha8e7y</a>	1w	0s	1w	250.00	0 B	0 B
<input type="checkbox"/>	<a href="#">2Hn8vk2</a>	1w	0s	1w	400.00	0 B	0 B
<input type="checkbox"/>	<a href="#">2H7ckmq</a>	1w	0s	1w	400.00	0 B	0 B
<input type="checkbox"/>	<a href="#">2H7wa2e</a>	1w	0s	1w	400.00	0 B	0 B
<input type="checkbox"/>	<a href="#">2Ha3i3x</a>	1w	0s	1w	400.00	0 B	0 B
<input type="checkbox"/>	<a href="#">2Hiqe5r</a>	1w	0s	1w	400.00	0 B	0 B
<input type="checkbox"/>	<a href="#">2Hxzt2s</a>	1w	0s	1w	400.00	0 B	0 B
<input type="checkbox"/>	<a href="#">2Hdeupr</a>	1w	0s	1w	400.00	0 B	0 B
<input type="checkbox"/>	<a href="#">2Hpm4hy</a>	1w	0s	1w	400.00	0 B	0 B
<input type="checkbox"/>	<a href="#">2Hqvmcc</a>	1w	0s	1w	400.00	0 B	0 B

# View Sessions

http://10.4.1.1/userman - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Recycle Bin Mail Print Word Pad Notepad Yahoo! Messenger

Address http://10.4.1.1/userman

Google Go Bookmarks 39 blocked Check AutoLink AutoFill Send to

Search web... Maps Favorites PC Health Spaces Form Fill

Y! Search Web Mail My Yahoo! Basketball Games Music

http://10.4.1.1/user...

**MikroTik**  
RouterOS User Manager

- Status
- Routers
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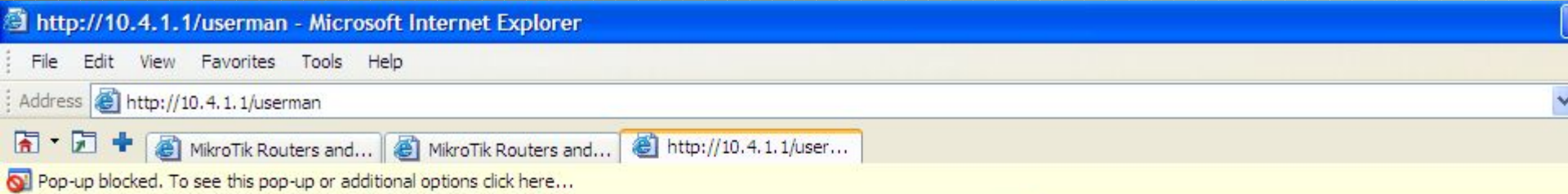
Sessions

Per page: 20

<input type="checkbox"/>	ID	Username	User IP	Router IP	From Time	Till Time	Uptime
<input type="checkbox"/>	1	iviola	10.44.23.13	10.4.1.74	Mar/01/2005 06:12:28	Mar/01/2005 06:17:34	5m:7s
<input type="checkbox"/>	2	iviola	10.44.23.13	10.4.1.74	Mar/01/2005 06:19:20	Mar/01/2005 06:22:01	2m:40s
<input type="checkbox"/>	3	iviola	10.44.23.13	10.4.1.74	Mar/01/2005 06:22:12	Mar/01/2005 06:23:09	57s

Remove  Search

# Adding read-only managers



**MikroTik**  
RouterOS User Manager

- Status
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- Logout

### Customers

Per page: 20

<input type="checkbox"/>	▼ Login ▲	▼ Public ID ▲	▼ Parent ▲	▼ Permissions ▲
<input type="checkbox"/>	dele		dele	Owner

Edit  Search

# Reports

Address <http://10.4.1.1/userman>

Google  Go

Search web...

Search Web

<http://10.4.1.1/user...>

**MikroTik**  
RouterOS User Manager

- Status
- Routers
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## Report

Title:

- Users:**  Prepaid only  
 Unlimited only  
 All
- Type:**  Time  
 Amount

- Period:**  Total  
   (Mar/01/2005 - Mar/31/2005)  
 Specific
- From:
- Till:
- (Format: dd/mm/yyyy)

#	User	From	Till	Session Time	Prepaid Time	Extend Time	Money
1	iyiola	Mar/01/2005 06:09:33	Mar/31/2005 06:09:32	8m:44s	4w:2d		2500.00
				Total:	4w:2d		2500.00
				Total:	4w:2d		2500.00

# LOGS

http://10.4.1.1/userman - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Recycle Bin Mail Print Word Pad Notepad Yahoo! Messenger

Address http://10.4.1.1/userman

Google G Go Bookmarks 39 blocked Check AutoLink AutoFill Send to

Search web... Maps Favorites PC Health Spaces Form Fill

Search Web Mail My Yahoo! Basketball Games Music

http://10.4.1.1/user...

## MikroTik RouterOS User Manager

- Status
- Routers
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- Logout

Logs

Per page: 20

<input type="checkbox"/>	ID	Username	User IP	Host IP	Time	Status
<input type="checkbox"/>	1	zubairu inusa ateiza	192.168.77.250	10.4.1.74	Mar/01/2005 04:39:32	authorization failure
<input type="checkbox"/>	2	06090013466	192.168.77.250	10.4.1.74	Mar/01/2005 04:41:14	authorization failure
<input type="checkbox"/>	3	afnog	192.168.77.247	10.4.1.74	Mar/01/2005 05:00:36	authorization failure
<input type="checkbox"/>	4	bolaji56	192.168.77.253	10.4.1.74	Mar/01/2005 05:04:49	authorization failure
<input type="checkbox"/>	5	iyiola	192.168.77.251	10.4.1.74	Mar/01/2005 06:09:33	authorization success
<input type="checkbox"/>	6	iyiola	192.168.77.251	10.4.1.74	Mar/01/2005 06:09:33	authorization success
<input type="checkbox"/>	7	iyiola	192.168.77.251	10.4.1.74	Mar/01/2005 06:09:33	authorization success
<input type="checkbox"/>	8	iyiola	192.168.77.251	10.4.1.74	Mar/01/2005 06:12:28	authorization success
<input type="checkbox"/>	9	iyiola	192.168.77.251	10.4.1.74	Mar/01/2005 06:19:20	authorization success
<input type="checkbox"/>	10	iyiola	192.168.77.242	10.4.1.74	Mar/01/2005 06:22:12	authorization success

Remove  Search

# talk to....

- \* GDES, Nigeria
- \* NetPoint communications in Lagos and Ibadan.
- \* Cybergold Integrated consultants in Benin-city and Asaba.
- \* Kakanfo Inn (hotel), Ibadan.
- \* Igbinedion University Okada.
- \* Ootosat ISP and hotspot services, Benin.

and many more

Try it out

MikroTik treasures users  
feedback

Thank you