

# Managing HotSpot users with the new User Manager

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# What is User Manager?

- Centralized Authorization and Accounting system
- Works as a RADIUS server
- Built in MikroTik RouterOS as a separate package

# Requirements for User Manager

- x86 based router with MikroTik RouterOS v2.9.x
- Router with at least 32MB RAM
- Free 2MB of HDD space
- RouterOS Level 4 license for more than 10 active sessions.

# Features

- User Authorization using PAP,CHAP
- Multiple subscriber support and permission management
- Credits/Prepaid support for users
- Rate-limit attribute support
- User friendly WEB interface support
- Report generation by time/amount
- Detailed sessions and logs support
- Simple user adding and voucher printing support

# New Features

- User Authorization using MSCHAPv1,MSCHAPv2
- User status page
- User sign up system
- Support for decimal places in credits
- Authorize.net payment gateway support
- Database backup feature
- License changes in RouterOS v3.0 for active users:
  - Level3 – 10 active users
  - Level4 – 20 active users
  - Level5 – 50 active users
  - Level6 – Unlimited active users

# Supported Services

- Hotspot user authorization
- PPP/PPtP/PPPoE users authorization;  
Encryption also supported
- DHCP MAC authorization
- Wireless MAC authorization
- RouterOS users authorization

# Usage

- Hotels
- Airports
- Cafés
- Universities
- Companies
- ISPs

# User Signup



The image shows a screenshot of the MikroTik RouterOS User Manager web interface. At the top, the logo "MikroTik" is displayed in a stylized font, with "RouterOS User Manager" written below it. The form contains three input fields: "email" with the value "newuser@example.com", "login" with a "prefix" field containing "prefix" and a main field containing "test", and "password" with "\*\*\*\*\*" and a cursor. A "Sign up" button is located at the bottom right of the form area.

User can create a new account by filling out the form. An account activation email will be sent to the users email address

# User Signup

Signup successful! Your account must be activated. Check your email for further instructions!

If you haven't received email with activation instructions, please try to fill the form with the same data once again! If it doesn't help, please contact the service provider!

## Activating account:

You have created an account that's inactive at the time. To activate the account, please open the following link in your web browser within 24 hours:

<http://userman.mt.lv/user?activate=xmc8kzj9krzjug6bexas6i3nmqzdpjq>

Account login: prefixtest

Account password: 123456

# User Signup

**First Name:**

**Last Name:**

**Phone:**

**Location:**

**Email:**

Change password (leave blank to keep the old one):

**New password:**

**Retype new password:**

Save

# User status page



Summary	
<b>Prepaid Time:</b>	unlimited
<b>Total price:</b>	0 USD
<b>Uptime Limit:</b>	0s
<b>Uptime Used:</b>	1w1d22h25m8s
<b>Download Used:</b>	2.7 GiB
<b>Upload Used:</b>	399.1 MiB

Credits	
No data!	

Sessions						
ID	From Time	Till Time	Uptime	Download	Upload	
3124	Jan/18/2006 17:15:36	Jan/18/2006 17:15:40	4s	3.6 KiB	1235 B	
3125	Jan/18/2006 17:15:57	Jan/18/2006 17:16:36	38s	13.9 KiB	7.5 KiB	
3126	Jan/18/2006 17:16:41	Jan/18/2006 17:23:45	7m:4s	61.9 KiB	38.6 KiB	
3128	Jan/18/2006 17:21:07	Jan/18/2006 17:23:45	2m:37s	61.8 KiB	34.9 KiB	
3130	Jan/18/2006 17:29:56	Jan/18/2006 17:32:01	2m:5s	5.5 KiB	1844 B	
3131	Jan/18/2006 17:34:24	Jan/18/2006 17:36:51	2m:26s	108.4 KiB	59.5 KiB	
3133	Jan/18/2006 17:37:09	Jan/18/2006 17:38:21	1m:12s	91.1 KiB	18.0 KiB	
3136	Jan/18/2006 18:08:58	Jan/18/2006 18:25:31	16m:34s	596.0 KiB	545.0 KiB	
3137	Jan/18/2006 18:27:54	Jan/18/2006 19:46:34	1h:18m:40s	3.4 MiB	377.4 KiB	
3138	Jan/18/2006 18:39:07	Jan/18/2006 19:46:33	1h:7m:26s	8.1 MiB	2.1 MiB	
3139	Jan/18/2006 18:45:04	Jan/18/2006 18:52:10	7m:5s	320.9 KiB	371.9 KiB	
3141	Jan/18/2006 19:00:07	Jan/18/2006 19:35:39	35m:33s	11.1 MiB	765.6 KiB	
3142	Jan/18/2006 19:08:44	Jan/18/2006 19:22:42	13m:58s	1291.5 KiB	1818.4 KiB	
3144	Jan/18/2006 19:43:20	Jan/18/2006 20:24:29	41m:8s	1720.0 KiB	291.7 KiB	
3147	Jan/18/2006 20:02:32	Jan/18/2006 20:04:45	2m:12s	68.2 KiB	19.5 KiB	
3151	Jan/18/2006 20:28:03	Jan/18/2006 20:41:51	13m:48s	2.3 MiB	184.2 KiB	
3152	Jan/18/2006 20:29:44	Jan/18/2006 21:48:25	1h:18m:40s	210.0 KiB	124.2 KiB	
3153	Jan/18/2006 20:52:30	Jan/18/2006 22:55:34	2h:3m:5s	9.7 MiB	6.9 MiB	
3156	Jan/18/2006 21:04:22	Jan/18/2006 22:20:02	1h:15m:40s	4.8 MiB	663.3 KiB	
3157	Jan/18/2006 21:06:47	Jan/18/2006 21:33:30	26m:43s	3.2 MiB	559.7 KiB	

# User status page



The screenshot shows a window titled "Buy credit" with a close button in the top right corner. The window is divided into two main sections: "Current Balance" and "New Payment".

**Current Balance**

- Prepaid Time: 1d:3m
- Time Left: 1d:3m
- Price paid: 1.25 USD

**New Payment**

- Credit: 1 day (1.50 USD) (dropdown menu)
- Method:  Authorize.Net

At the bottom left of the window is a "Buy" button.

- Authorize.net payment support for buying a credit
- Payment data (such as credit card number and expiry date) is sent directly from user's computer to payment gateway and is not captured by User Manager. User Manager processes only response about the payment result from the payment gateway.

# User status page

**Payment details**

**Created:** Jan/11/2007 17:26:54  
**Finished:** Jan/11/2007 17:27:01  
**Price:** 1.25  
**Credit Time:** 1d  
**Status:** Approved  
**Status description:** Ok

**Payments**

Per page:

ID	Created ▲	Price ▲	Credit Time ▲	Status ▲
<a href="#">19</a>	Jan/11/2007 18:03:44	1.26	1d	Error
<a href="#">18</a>	Jan/11/2007 18:02:41	1.25	1d	Error
<a href="#">17</a>	Jan/11/2007 17:26:54	1.25	1d	Approved
<a href="#">16</a>	Jan/11/2007 17:26:46	1.25	1d	Timeout

# Future plans

- Still in development – BETA
- New improved User Manager WEB interface
- Radius Incoming (RFC3576)
- Paypal payment gateway integration (middle/end of February)
- Your suggestions are welcome...  
[support@mikrotik.com](mailto:support@mikrotik.com)