Managing Hotspot users with the User-Manager

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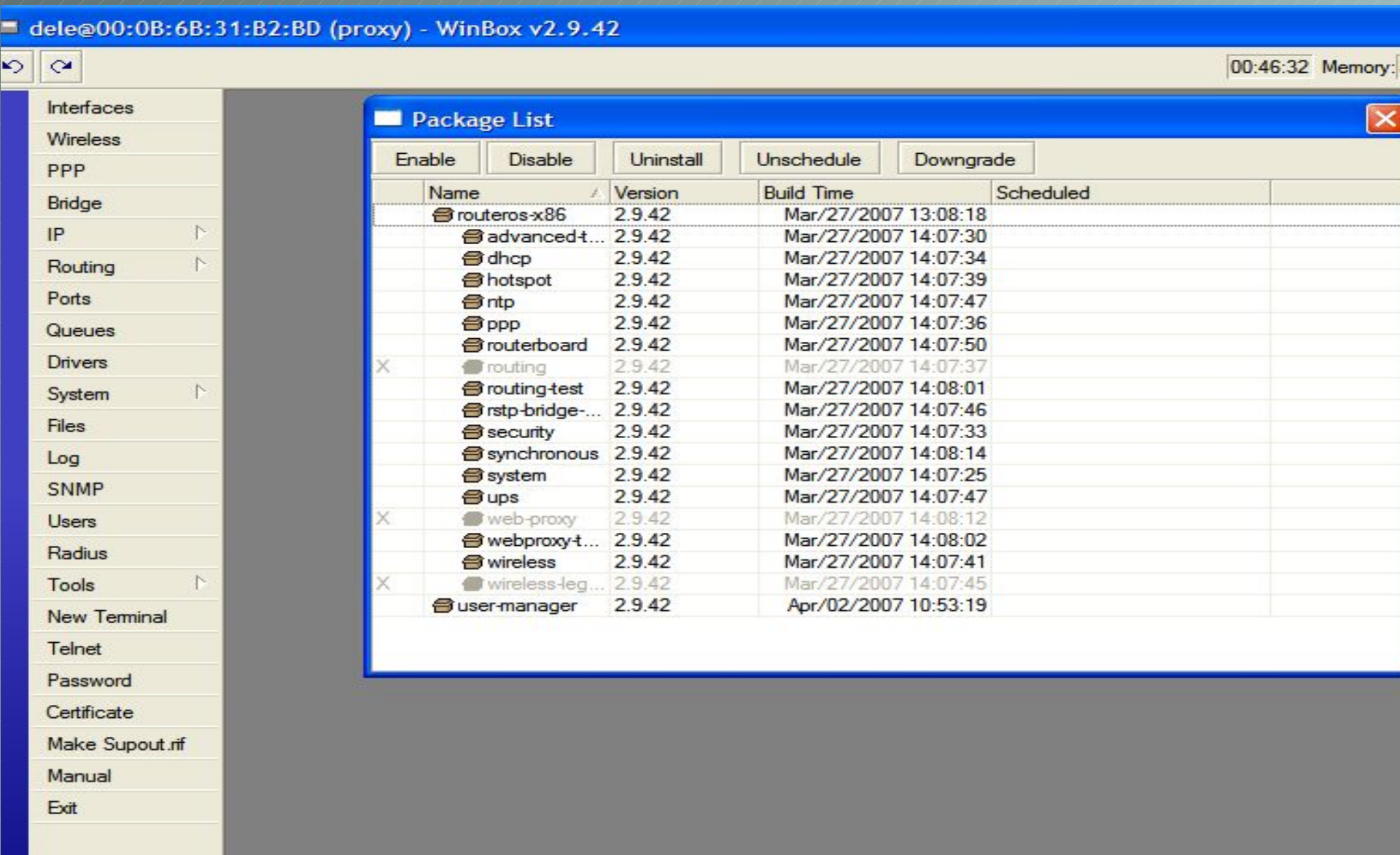
Arnis Riekstins: MikroTik, Latvia

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



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

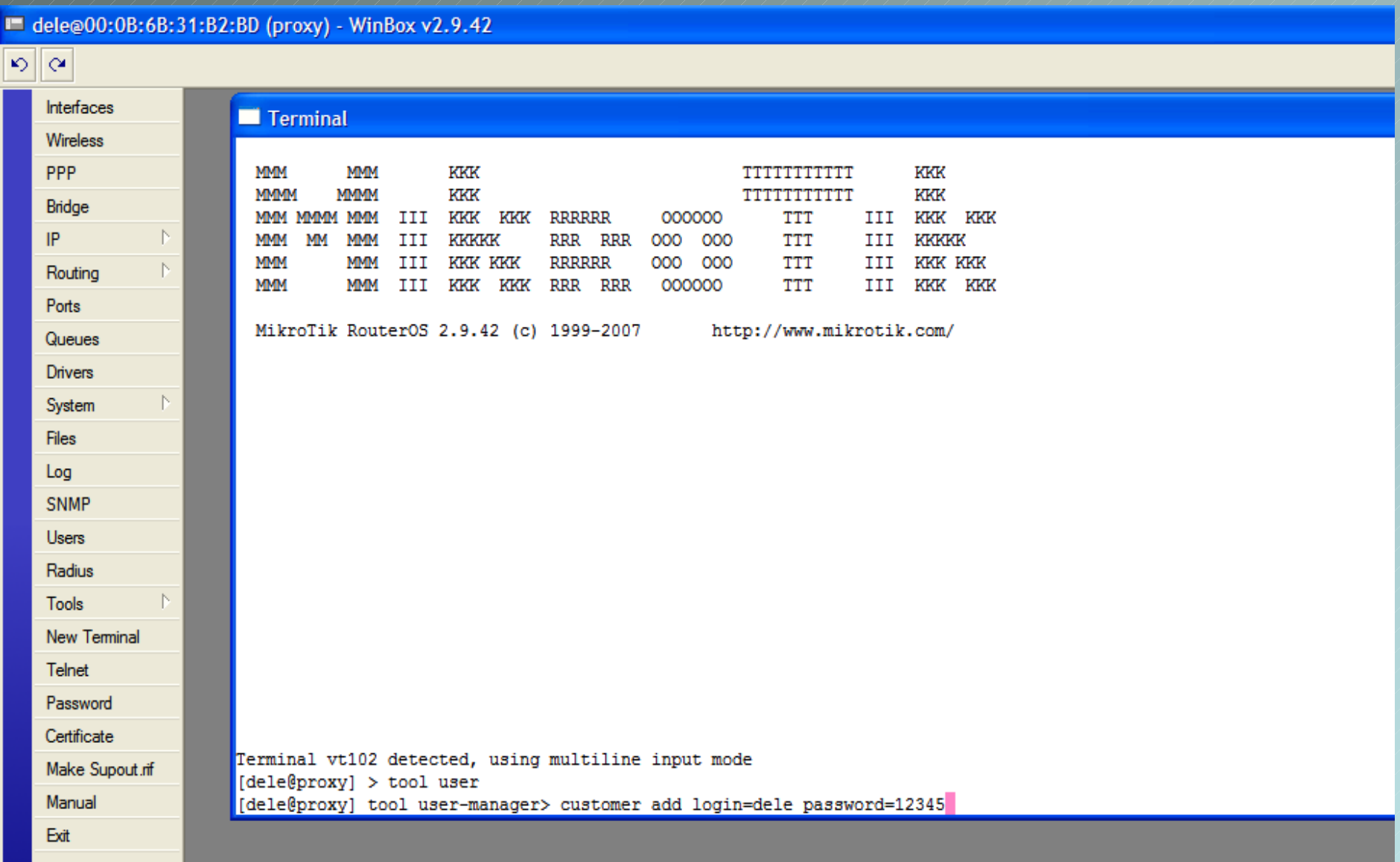
- Add radius client to consult User Manager for HotSpot service.

  / radius add service=hotspot address=10.4.4.254

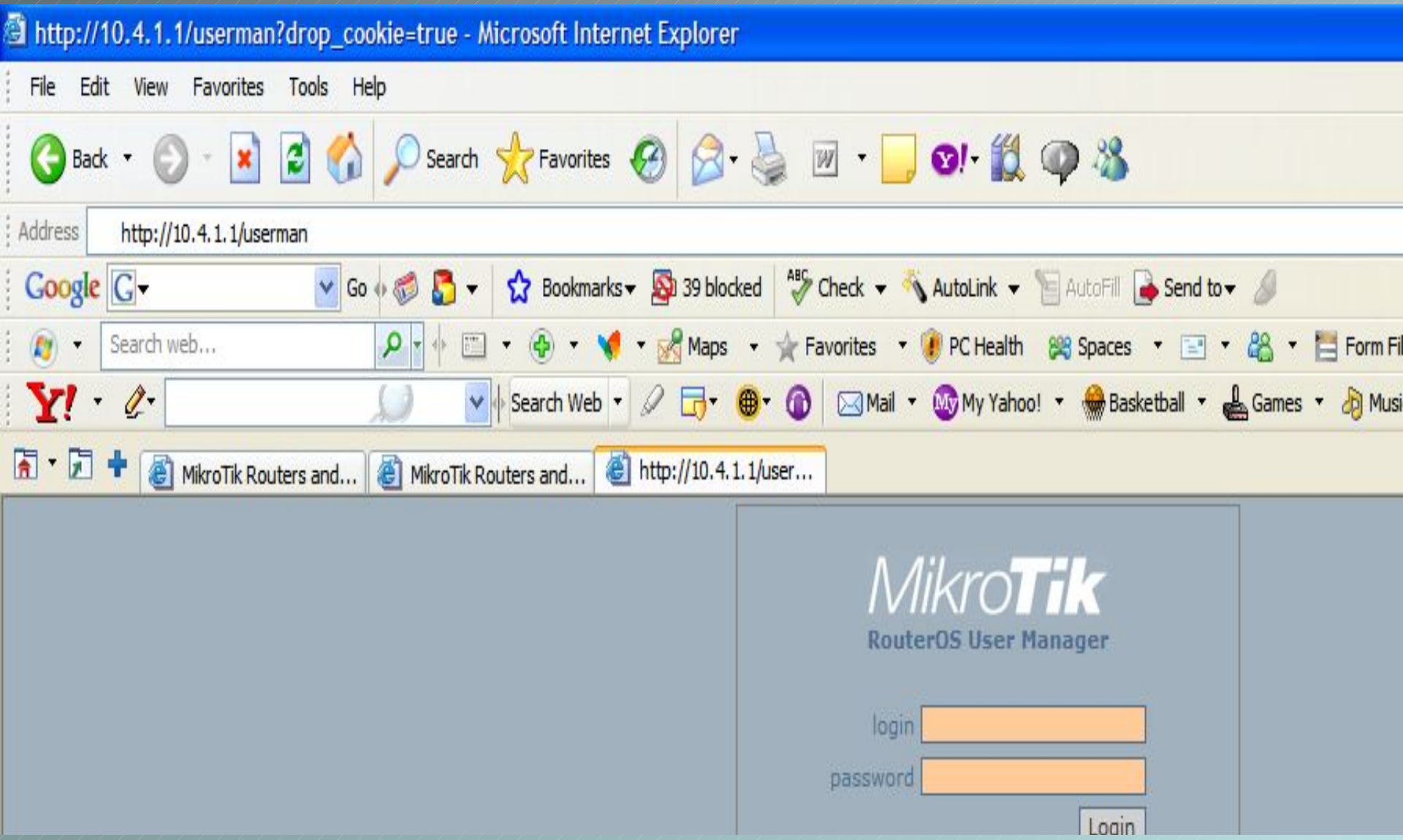
  secret=thisisdtrick

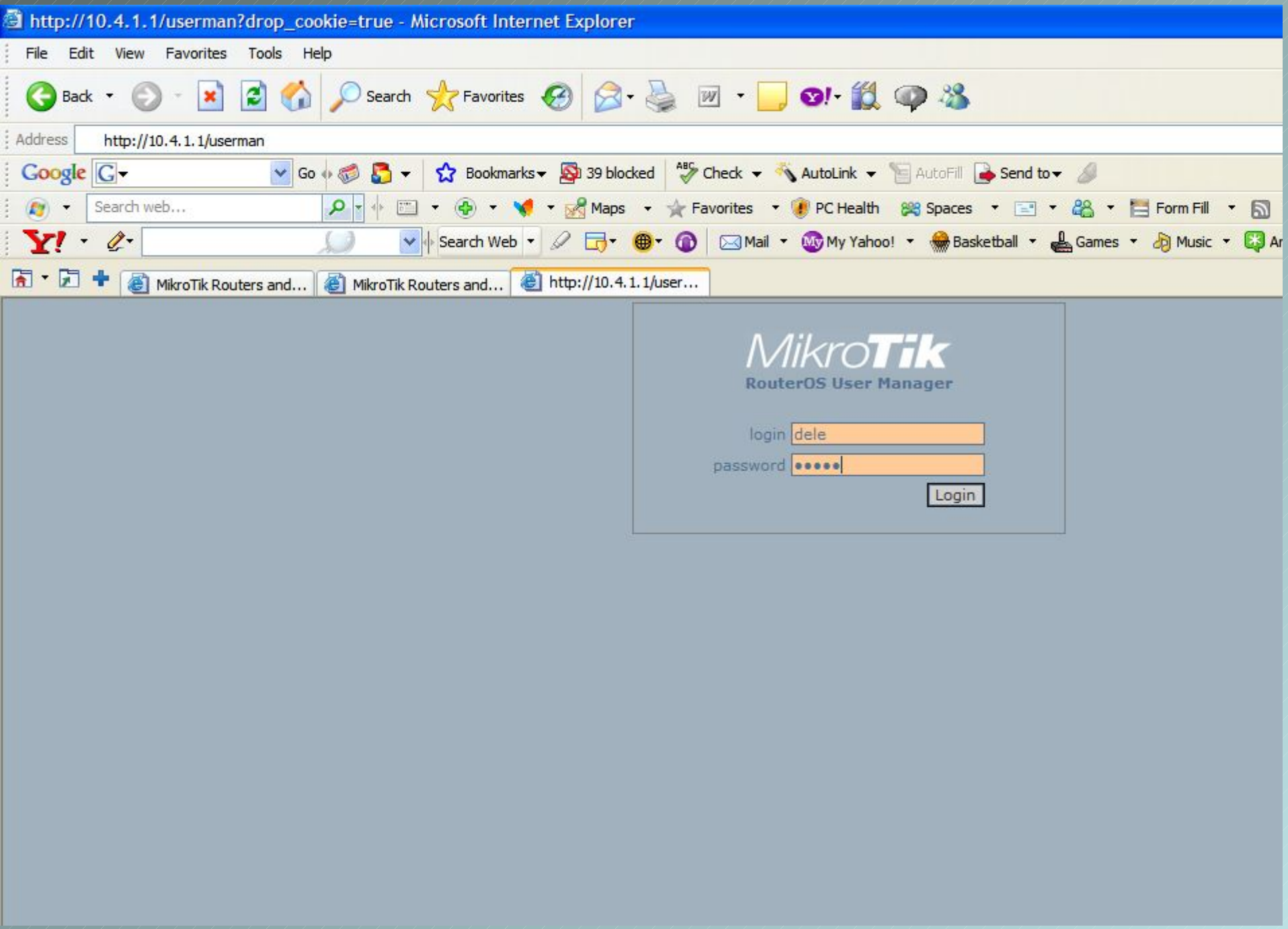
User Manager configuration

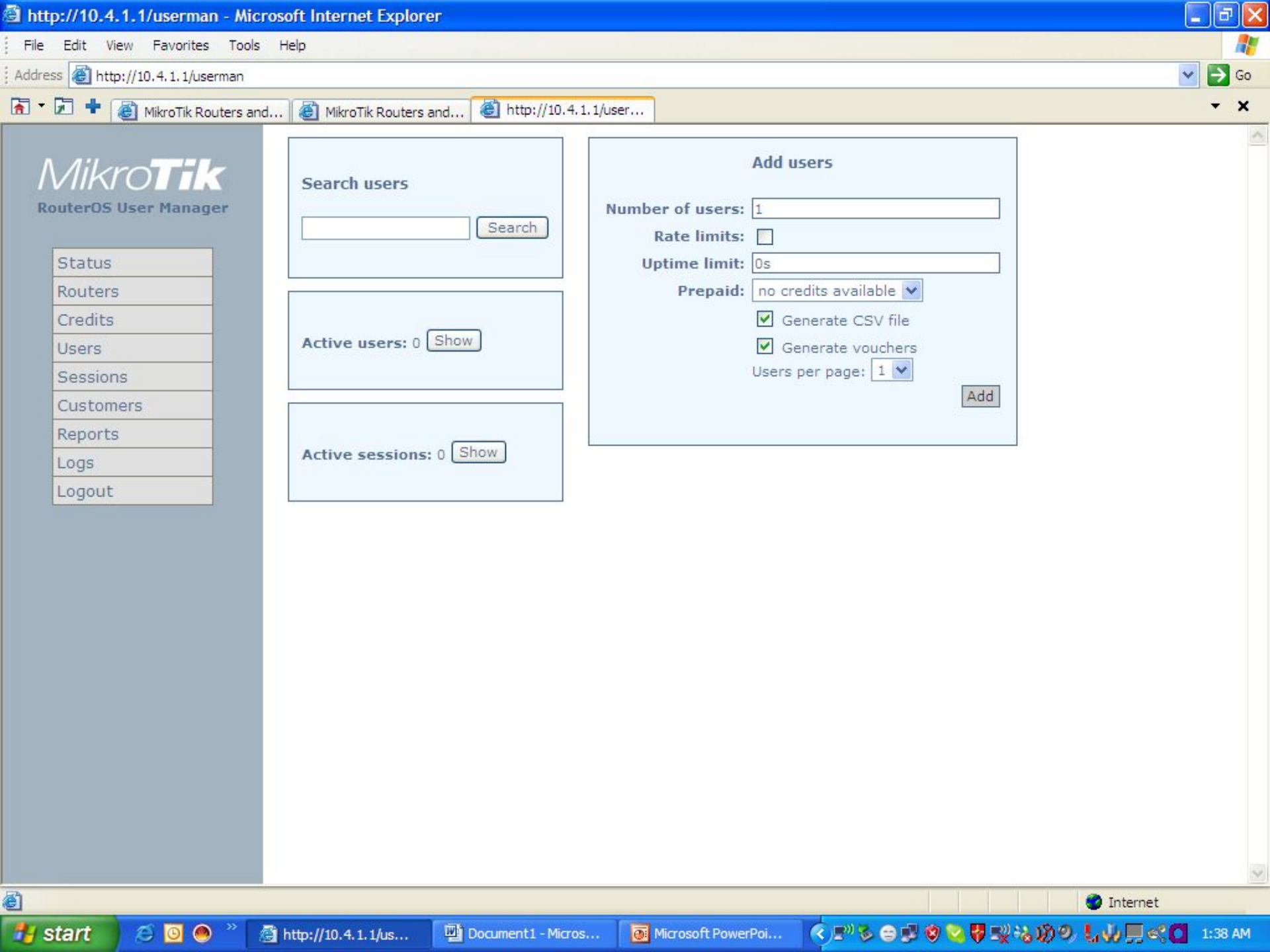
Create User Manager subscriber;
Could have more than one subscriber on the user-manager with different database



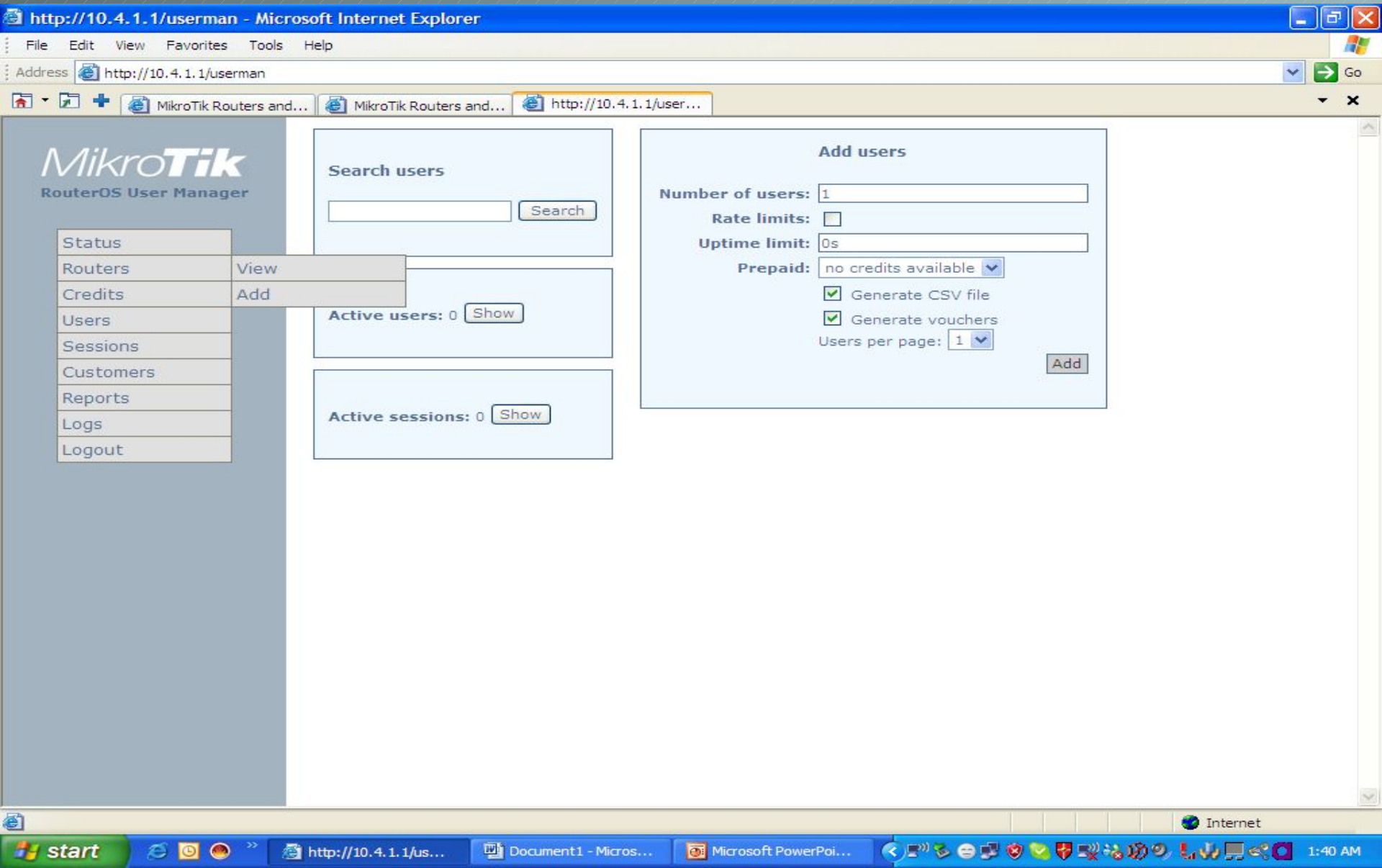
Login to the user-manager web interface

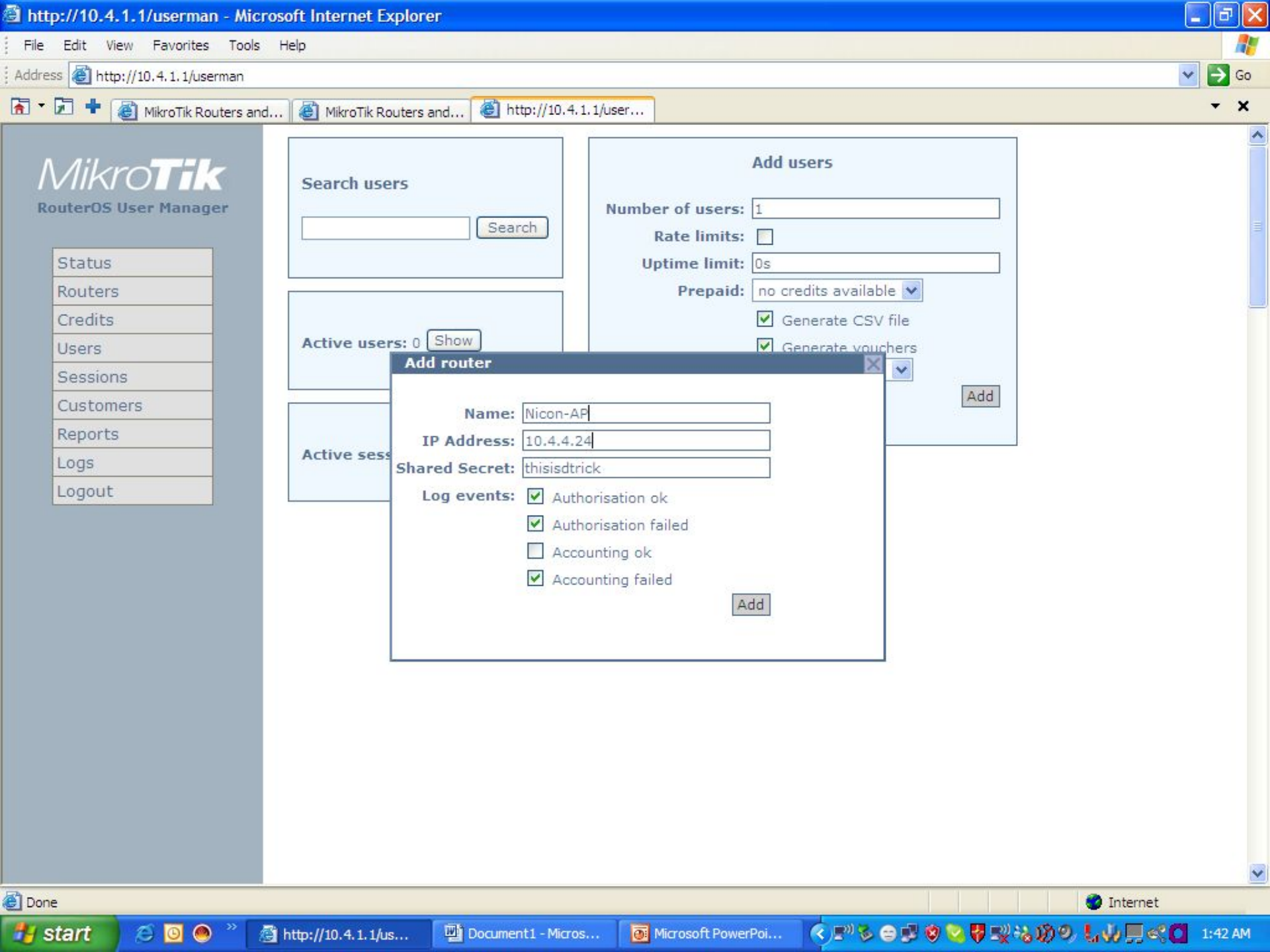


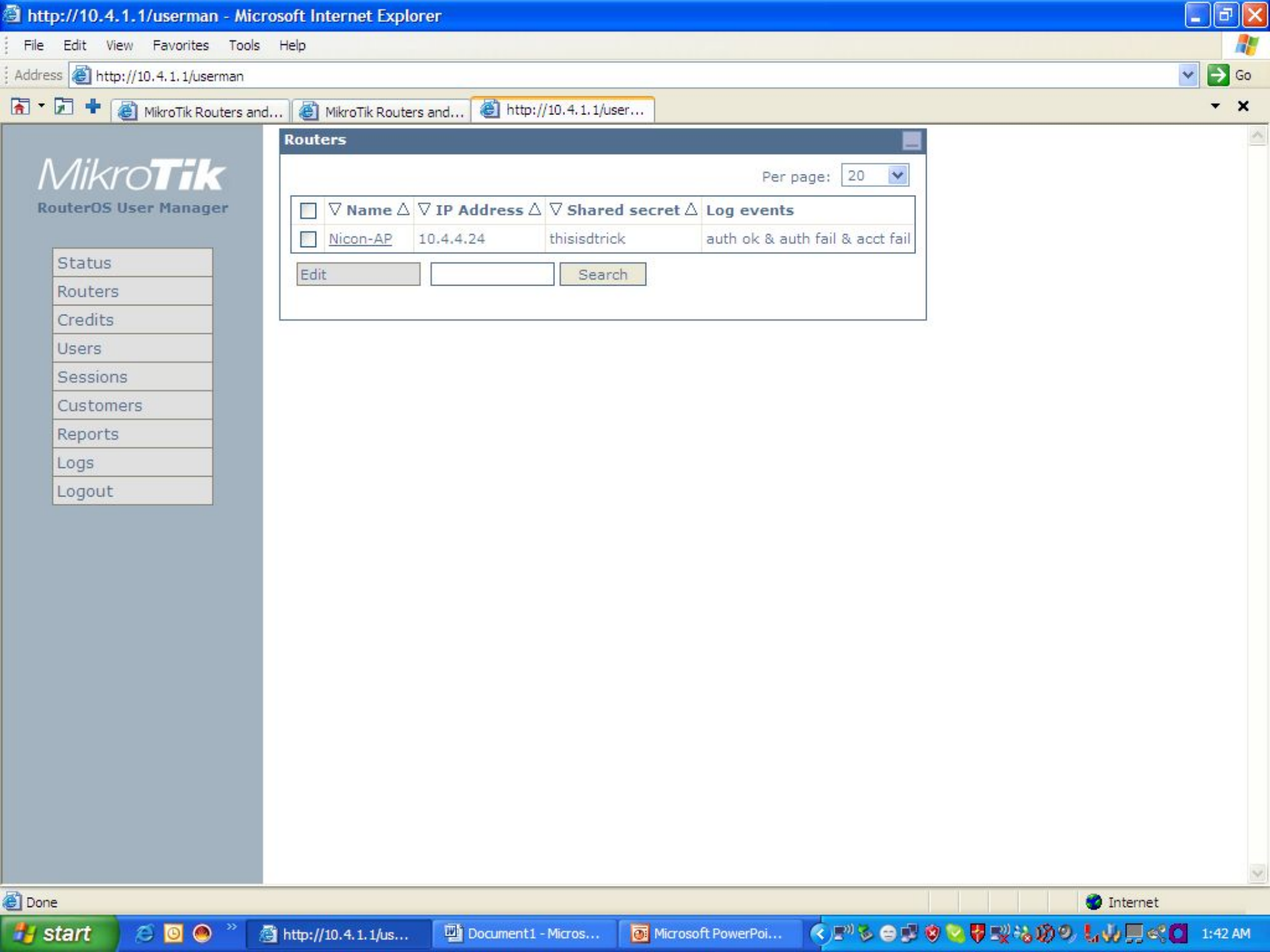

http://10.4.1.1/userman?drop_cookie=true - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://10.4.1.1/userman
Google Go Bookmarks 39 blocked Check AutoLink AutoFill Send to
Search web... Maps Favorites PC Health Spaces Form Fill
Search Web Mail My Yahoo! Basketball Games Music
MikroTik Routers and...
MikroTik Routers and...
http://10.4.1.1/user...
MikroTik
RouterOS User Manager
login dele
password
Login


http://10.4.1.1/userman - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://10.4.1.1/userman
Go
MikroTik Routers and...
MikroTik Routers and...
http://10.4.1.1/user...
MikroTik
RouterOS User Manager
Status
Routers
Credits
Users
Sessions
Customers
Reports
Logs
Logout
Search users
Search
Active users: 0 Show
Active sessions: 0 Show
Add users
Number of users: 1
Rate limits:
Uptime limit: 0s
Prepaid: no credits available
Generate CSV file
Generate vouchers
Users per page: 1
Add
Internet
start
http://10.4.1.1/us...
Document1 - Micros...
Microsoft PowerPoi...
1:38 AM

Add HotSpot router information to router list,




http://10.4.1.1/userman - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://10.4.1.1/userman
Go
MikroTik Routers and...
MikroTik Routers and...
http://10.4.1.1/user...
MikroTik
RouterOS User Manager
Status
Routers
Credits
Users
Sessions
Customers
Reports
Logs
Logout
Search users
Search
Active users: 0 Show
Active sess
Add users
Number of users: 1
Rate limits:
Uptime limit: 0s
Prepaid: no credits available
Generate CSV file
Generate vouchers
Add
Add router
Name: Nicon-AP
IP Address: 10.4.4.24
Shared Secret: thisisdtrick
Log events: Authorisation ok
Authorisation failed
Accounting ok
Accounting failed
Add
Done
Internet
start
http://10.4.1.1/us...
Document1 - Micros...
Microsoft PowerPoi...
1:42 AM


http://10.4.1.1/userman - Microsoft Internet Explorer
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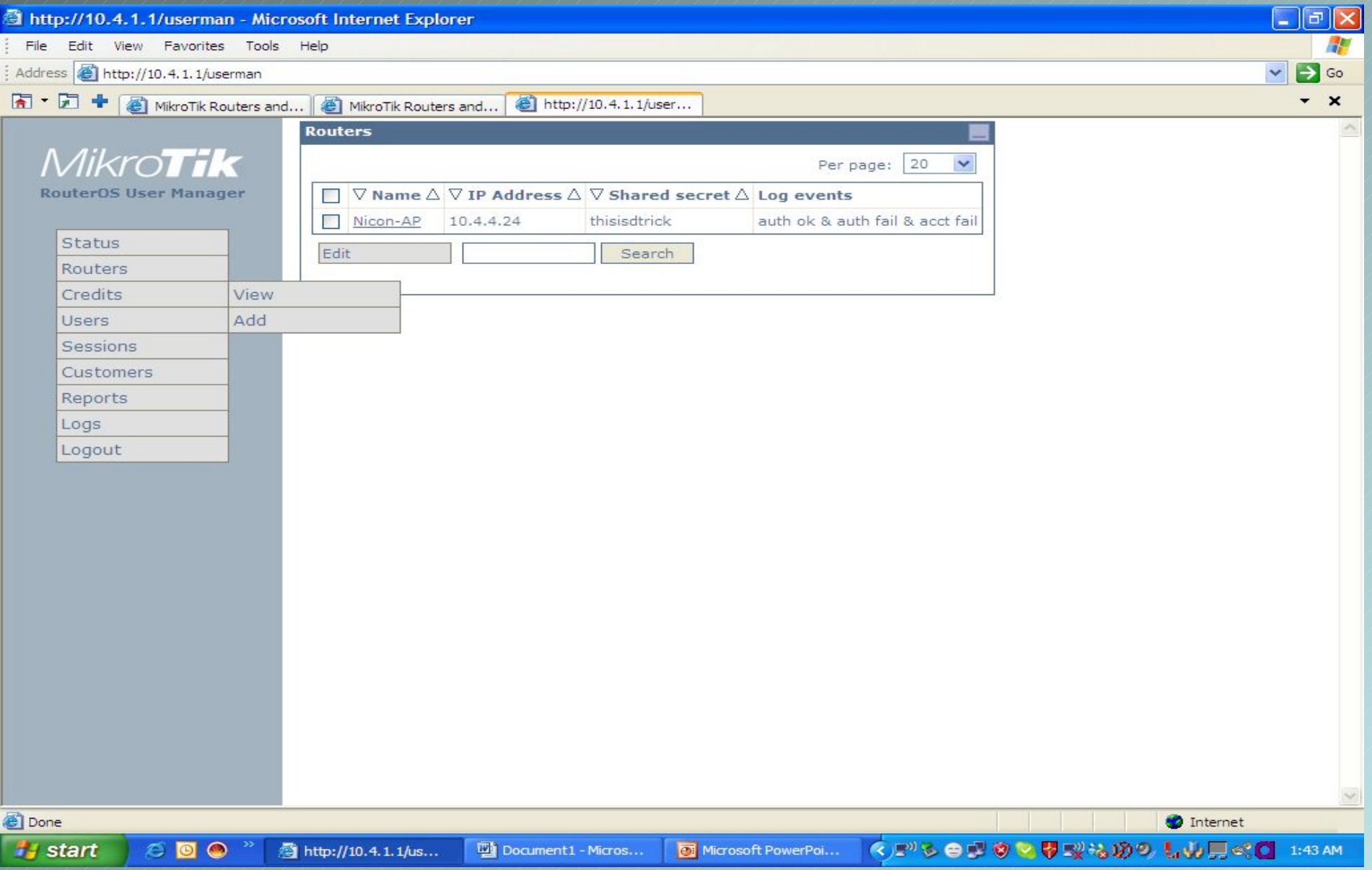
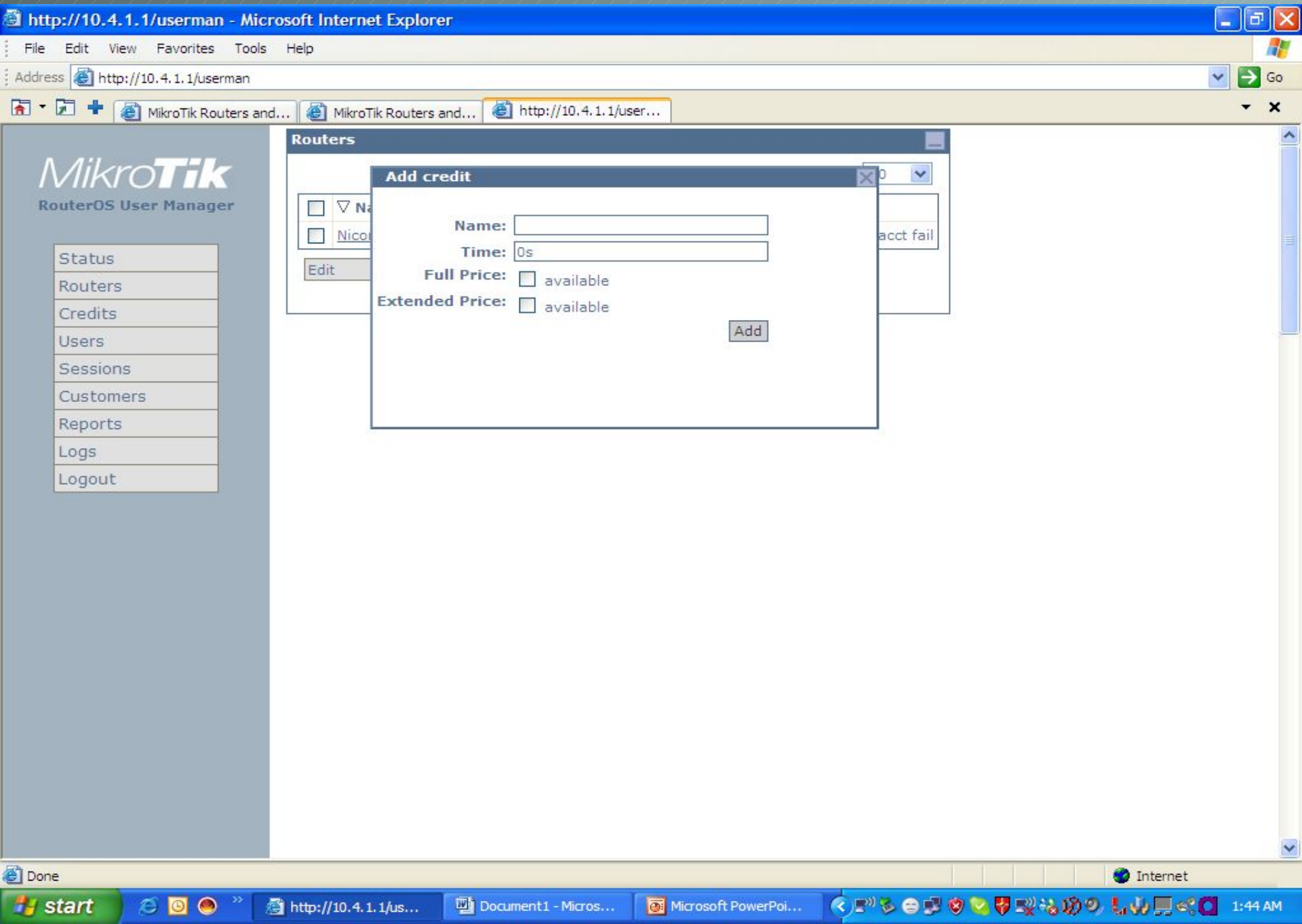
Go
MikroTik Routers and...
MikroTik Routers and...
http://10.4.1.1/user...
MikroTik
RouterOS User Manager
Status
Routers
Credits
Users
Sessions
Customers
Reports
Logs
Logout
Routers
Per page: 20
Name
IP Address
Shared secret
Log events
Nicon-AP
10.4.4.24
thisisdtrick
auth ok & auth fail & acct fail
Edit
Search
Done
Internet
start
http://10.4.1.1/us...
Document1 - Micros...
Microsoft PowerPoi...
1:42 AM

Create credit category

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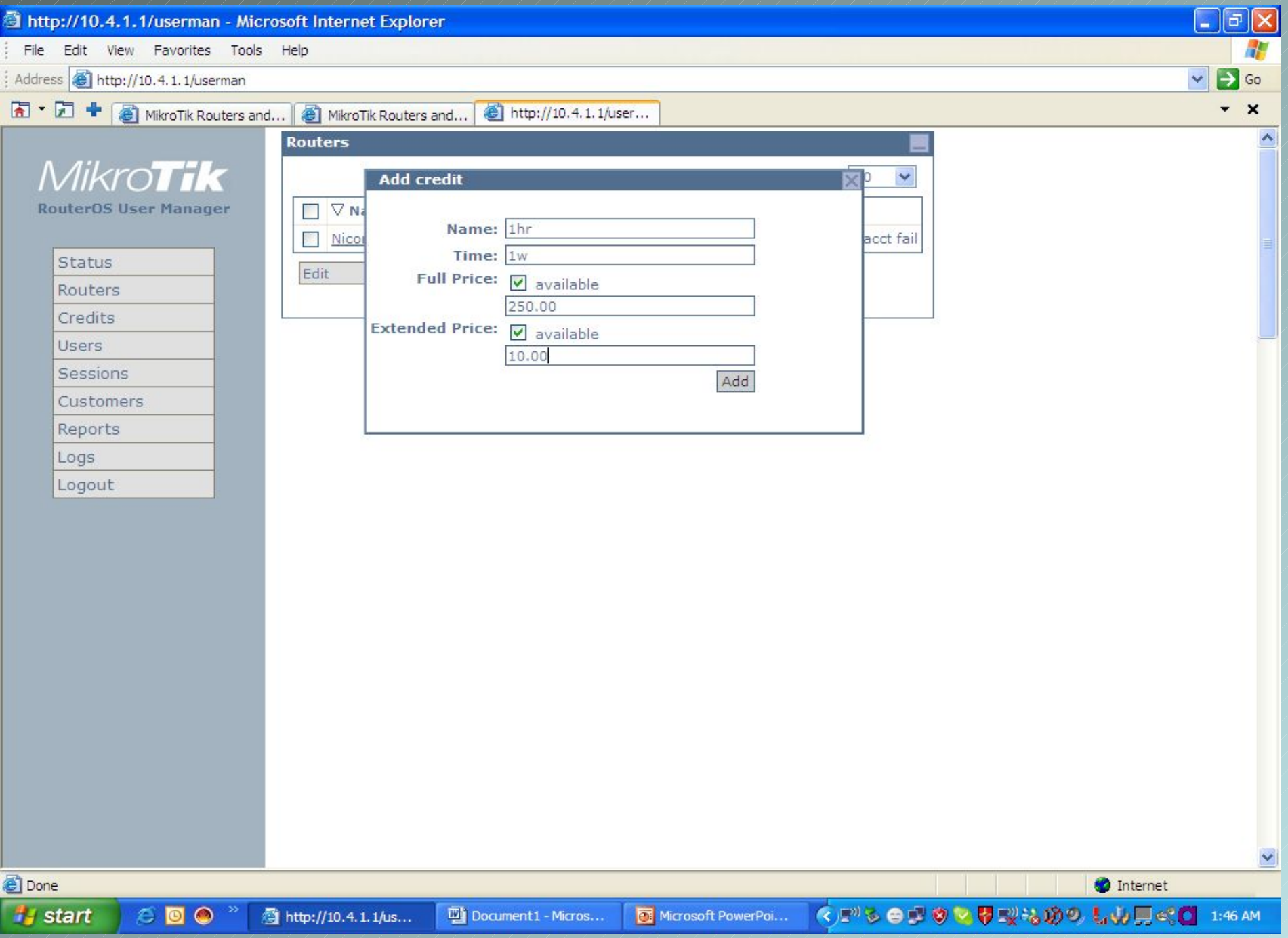
Address http://10.4.1.1/userman
Go
MikroTik Routers and...
MikroTik Routers and...
http://10.4.1.1/user...
MikroTik
RouterOS User Manager
Status
Routers
Credits
Users
Sessions
Customers
Reports
Logs
Logout
Routers
Add credit
Name:
Time: 0s
Full Price: available
Extended Price: available
Add
Edit
acct fail
Done
Internet
start
http://10.4.1.1/us...
Document1 - Micros...
Microsoft PowerPoi...
1:44 AM


http://10.4.1.1/userman - Microsoft Internet Explorer
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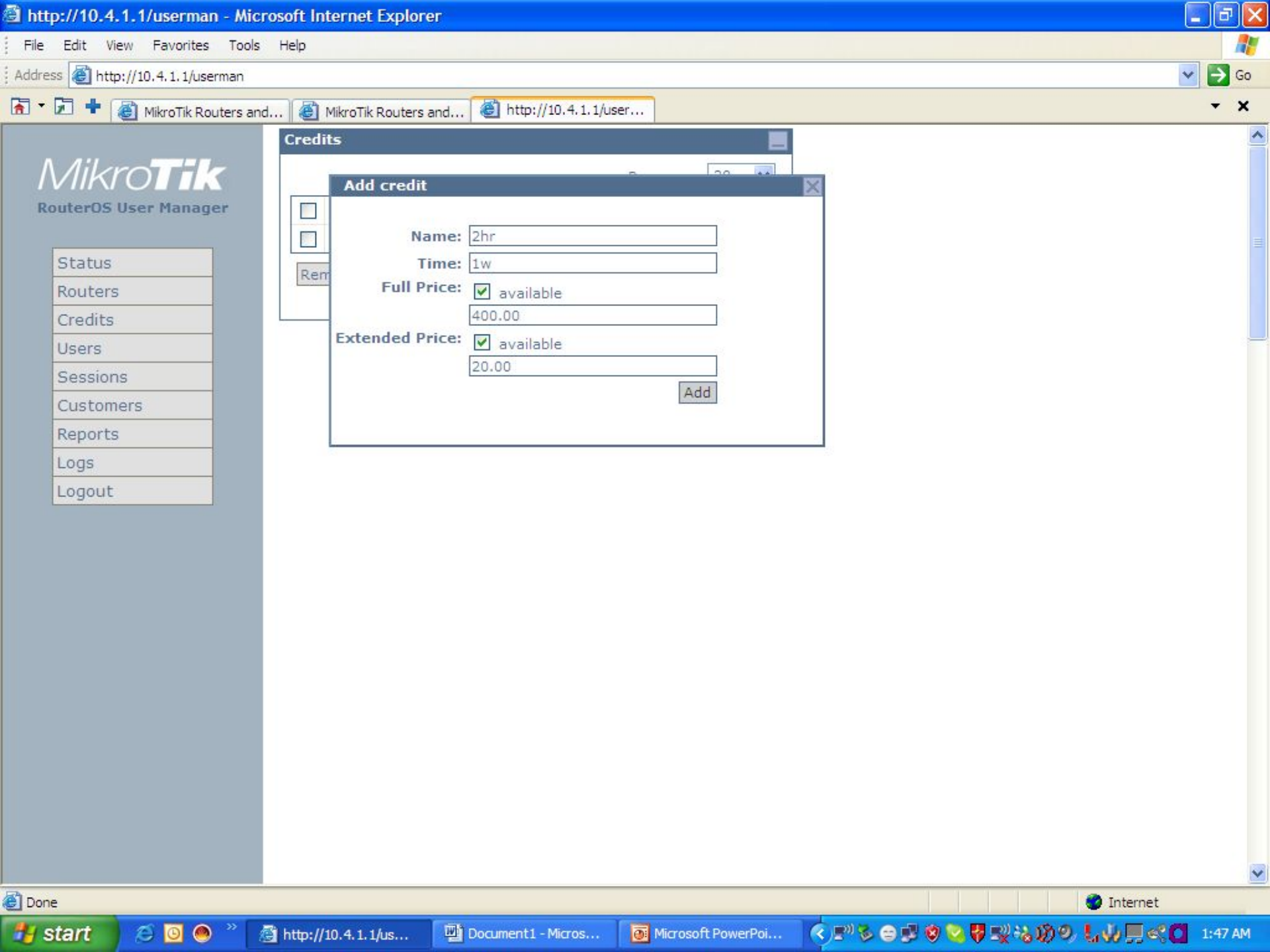
Address http://10.4.1.1/userman
Go
MikroTik Routers and...
MikroTik Routers and...
http://10.4.1.1/user...
MikroTik
RouterOS User Manager
Status
Routers
Credits
Users
Sessions
Customers
Reports
Logs
Logout
Routers
Add credit
Name: 1hr
Time: 1w
Full Price: available
250.00
Extended Price: available
10.00
Add
Edit
acct fail
Done
Internet
start
http://10.4.1.1/us...
Document1 - Micros...
Microsoft PowerPoi...
1:46 AM


http://10.4.1.1/userman - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://10.4.1.1/userman
Go
MikroTik Routers and...
MikroTik Routers and...
http://10.4.1.1/user...
MikroTik
RouterOS User Manager
Status
Routers
Credits
Users
Sessions
Customers
Reports
Logs
Logout
Credits
Add credit
Name: 2hr
Time: 1w
Full Price: available
400.00
Extended Price: available
20.00
Add
Done
Internet
start
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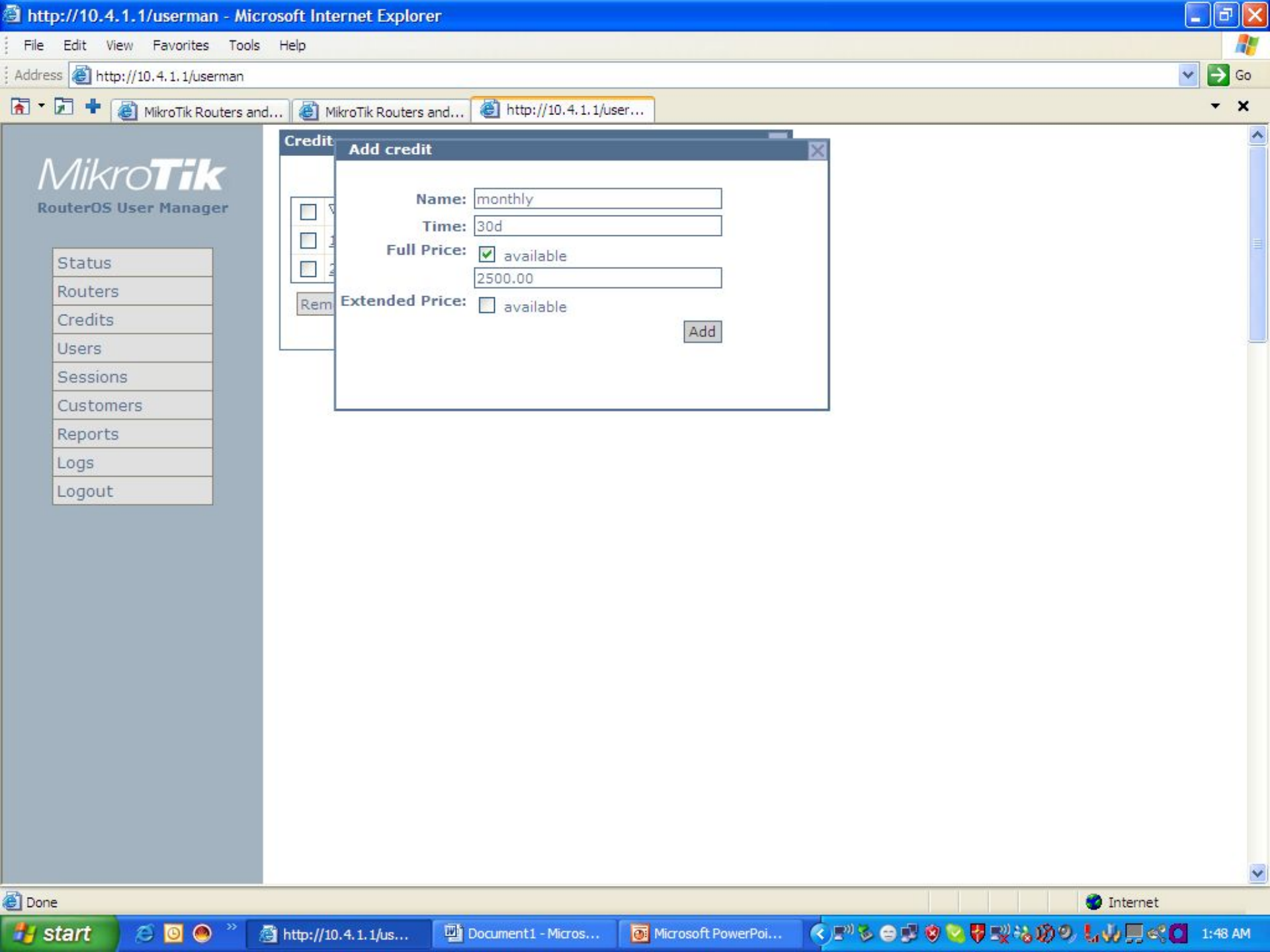
Microsoft PowerPoi...
1:47 AM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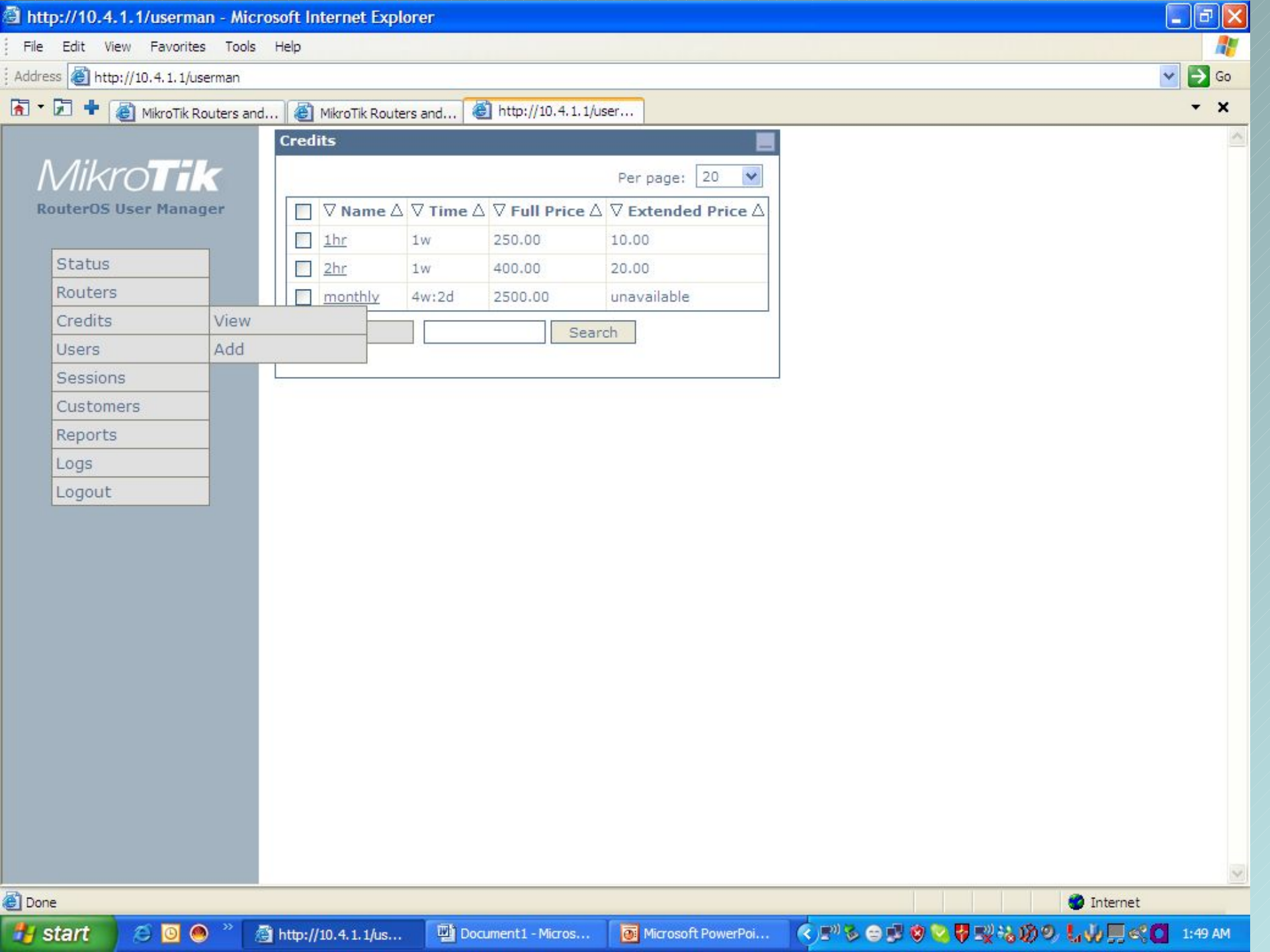
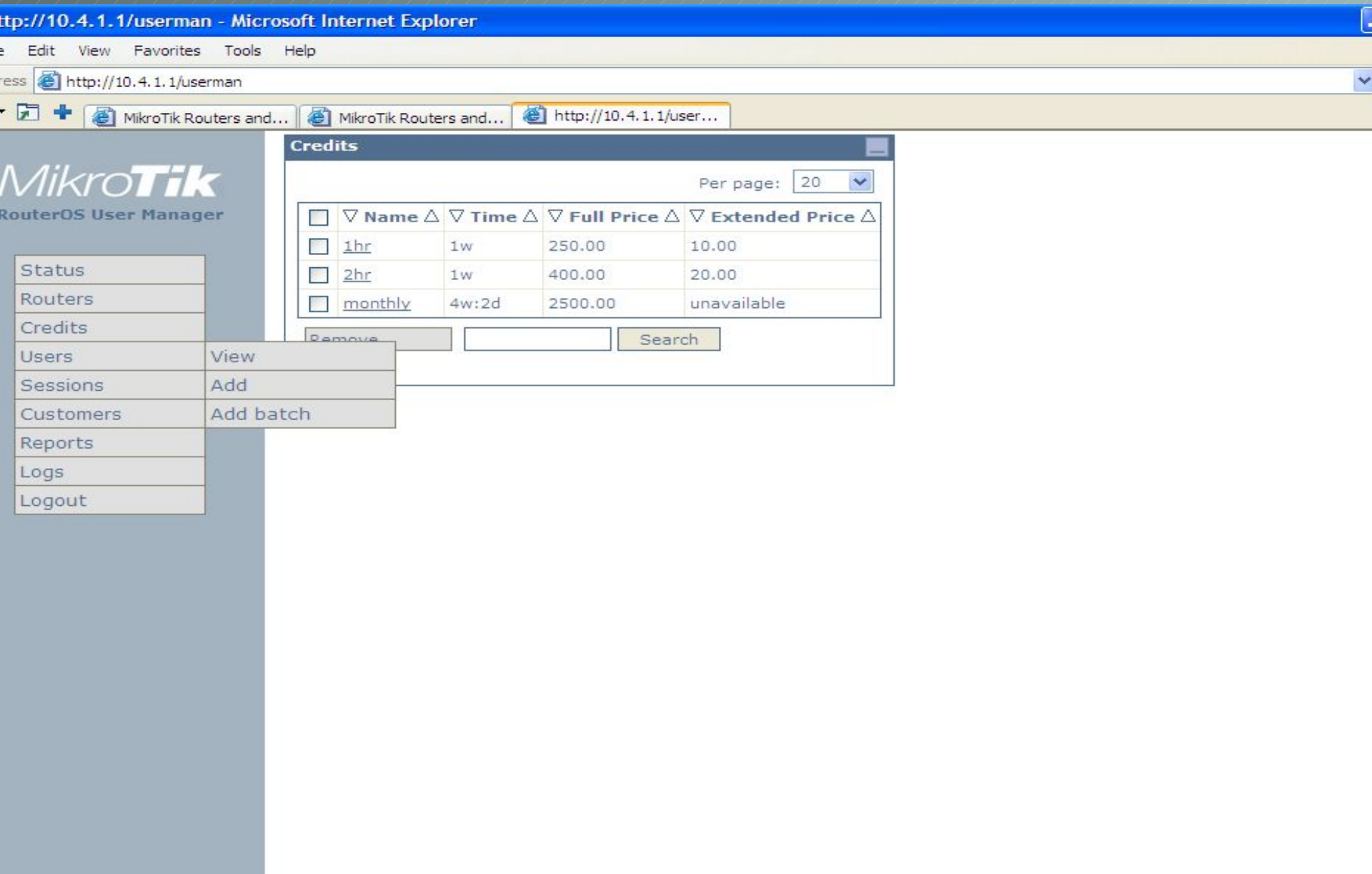
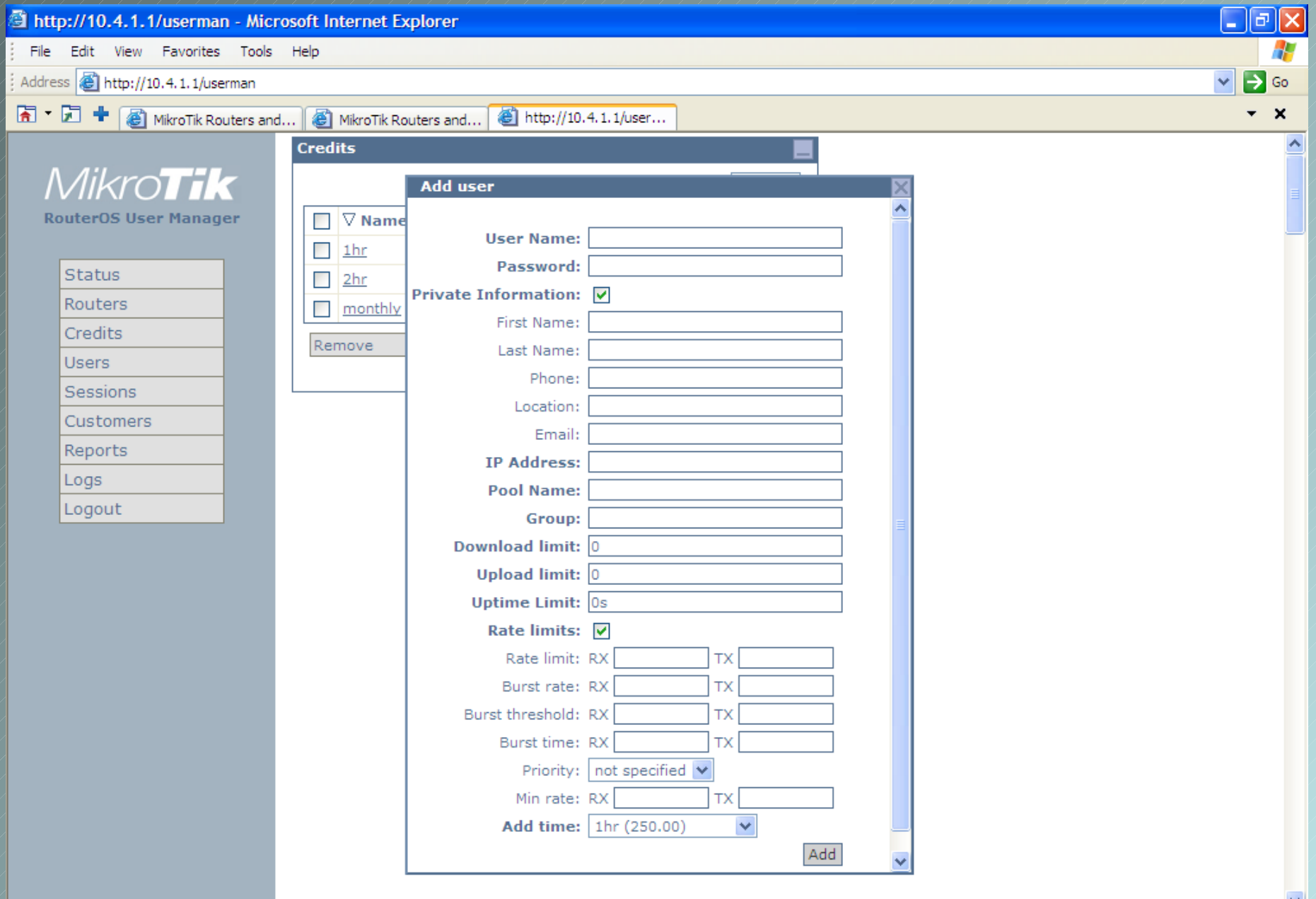
Address http://10.4.1.1/userman
Go
MikroTik Routers and...
MikroTik Routers and...
http://10.4.1.1/user...
MikroTik
RouterOS User Manager
Status
Routers
Credits
Users
Sessions
Customers
Reports
Logs
Logout
Credit
Rem
Add credit
Name: monthly
Time: 30d
Full Price: available
2500.00
Extended Price: available
Add
Done
Internet
start
http://10.4.1.1/us...
Document1 - Micros...
Microsoft PowerPoi...
1:48 AM

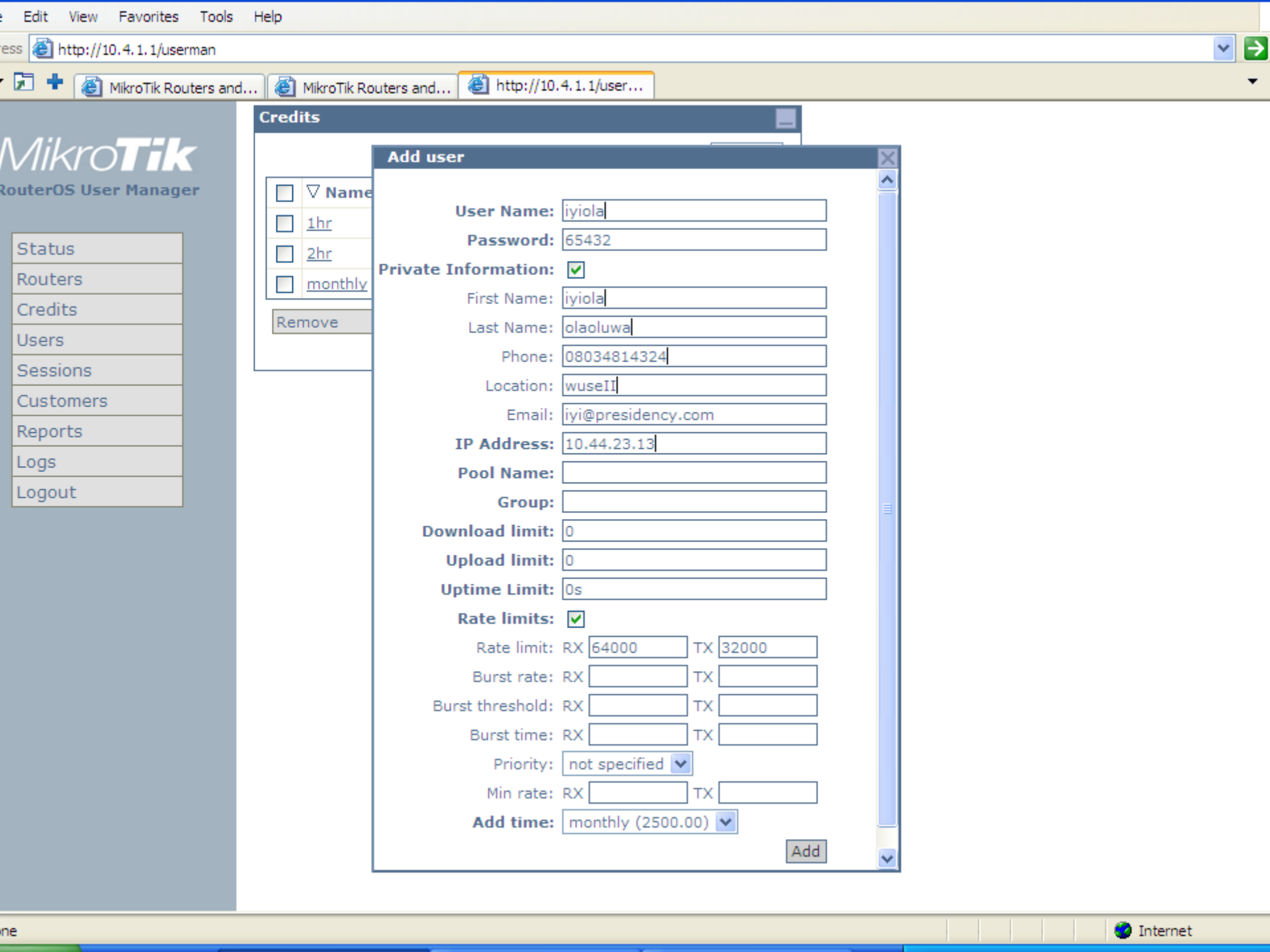

http://10.4.1.1/userman - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://10.4.1.1/userman
Go
MikroTik Routers and...
MikroTik Routers and...
http://10.4.1.1/user...
MikroTik
RouterOS User Manager
Status
Routers
Credits
Users
Sessions
Customers
Reports
Logs
Logout
View
Add
Credits
Per page: 20
Name
Time
Full Price
Extended Price
1hr 1w 250.00 10.00
2hr 1w 400.00 20.00
monthly 4w:2d 2500.00 unavailable
Search
Done
Internet
start
http://10.4.1.1/us...
Document1 - Micros...
Microsoft PowerPoi...
1:49 AM

Adding hotspot users

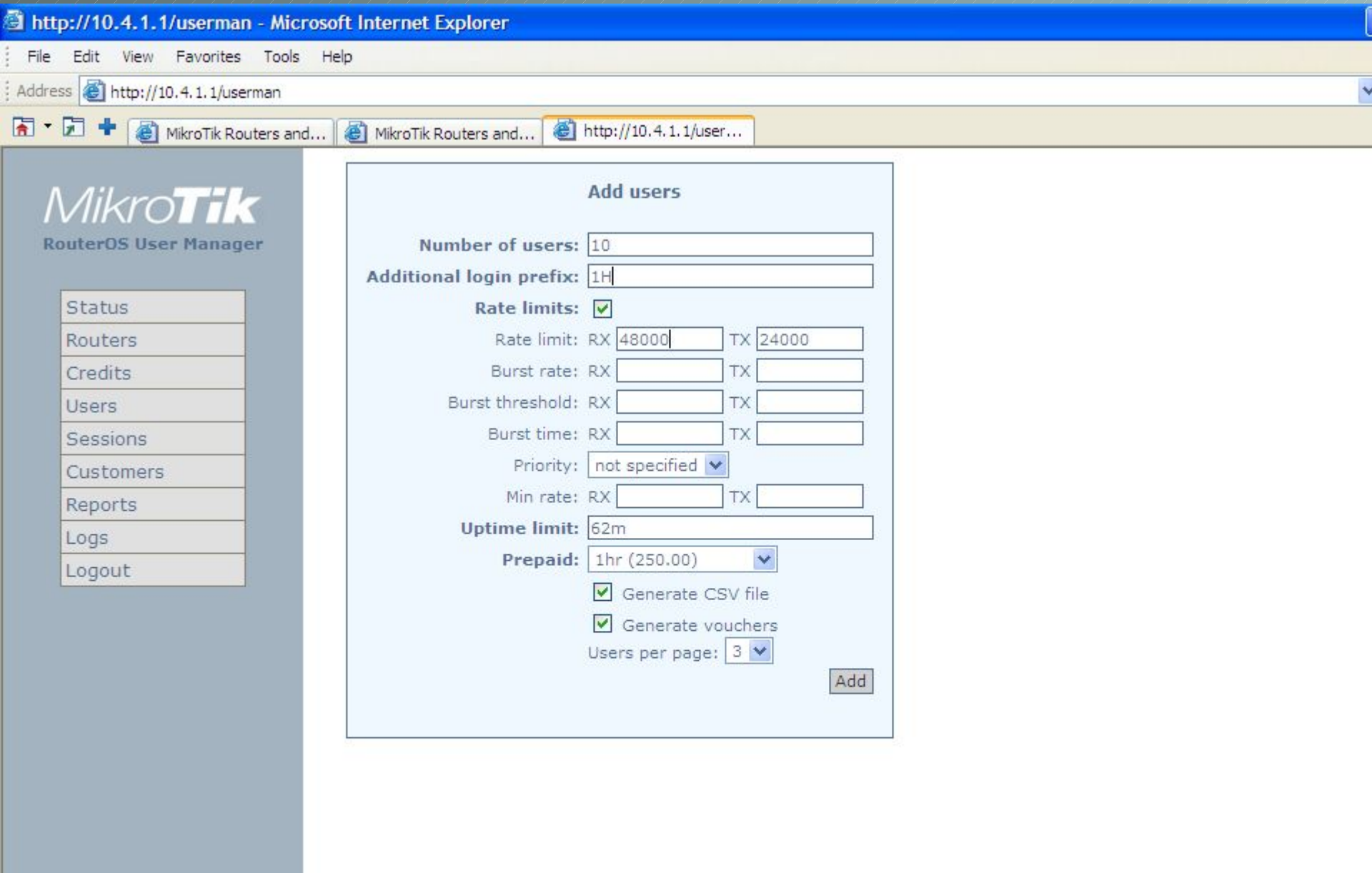


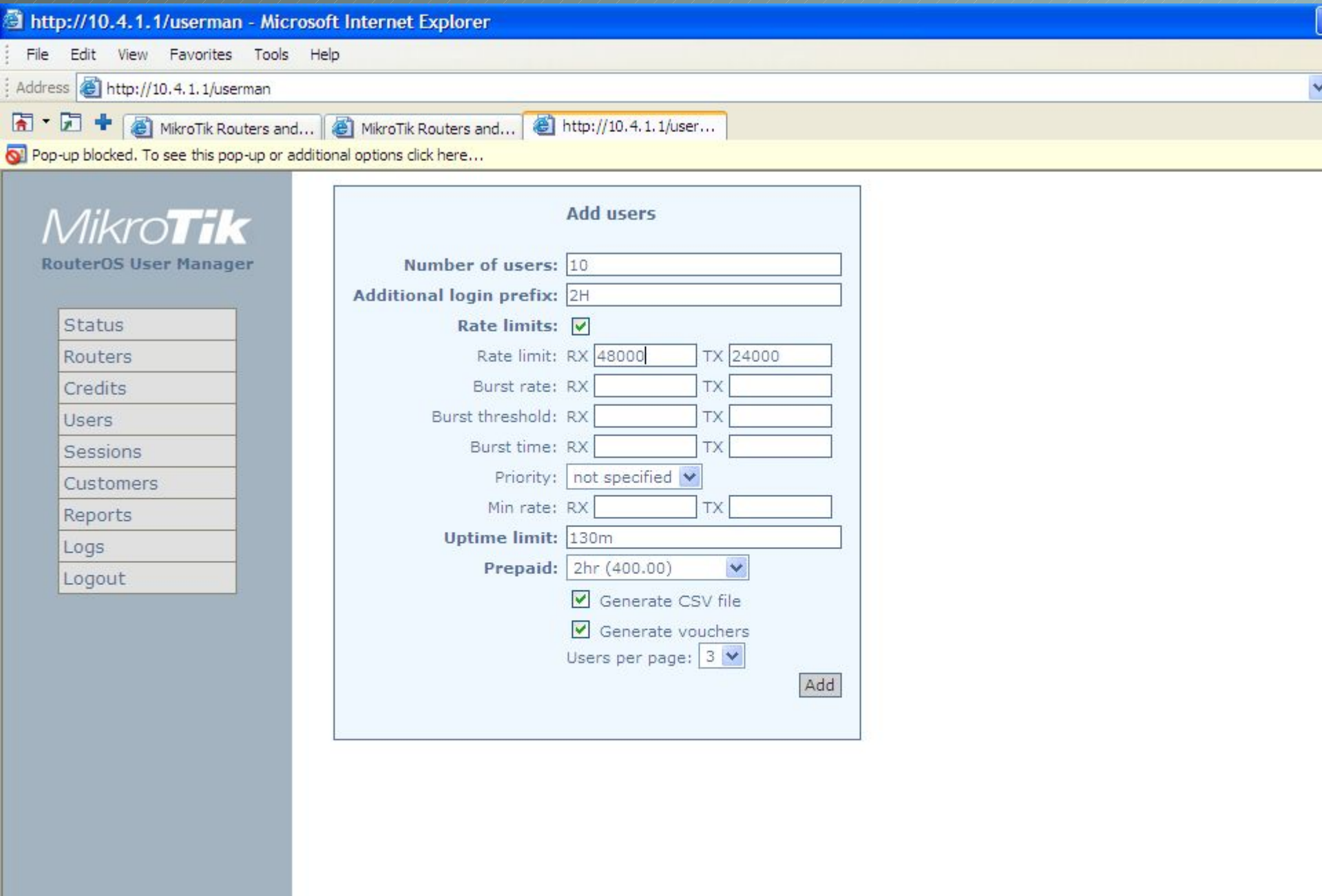
Adding individual users

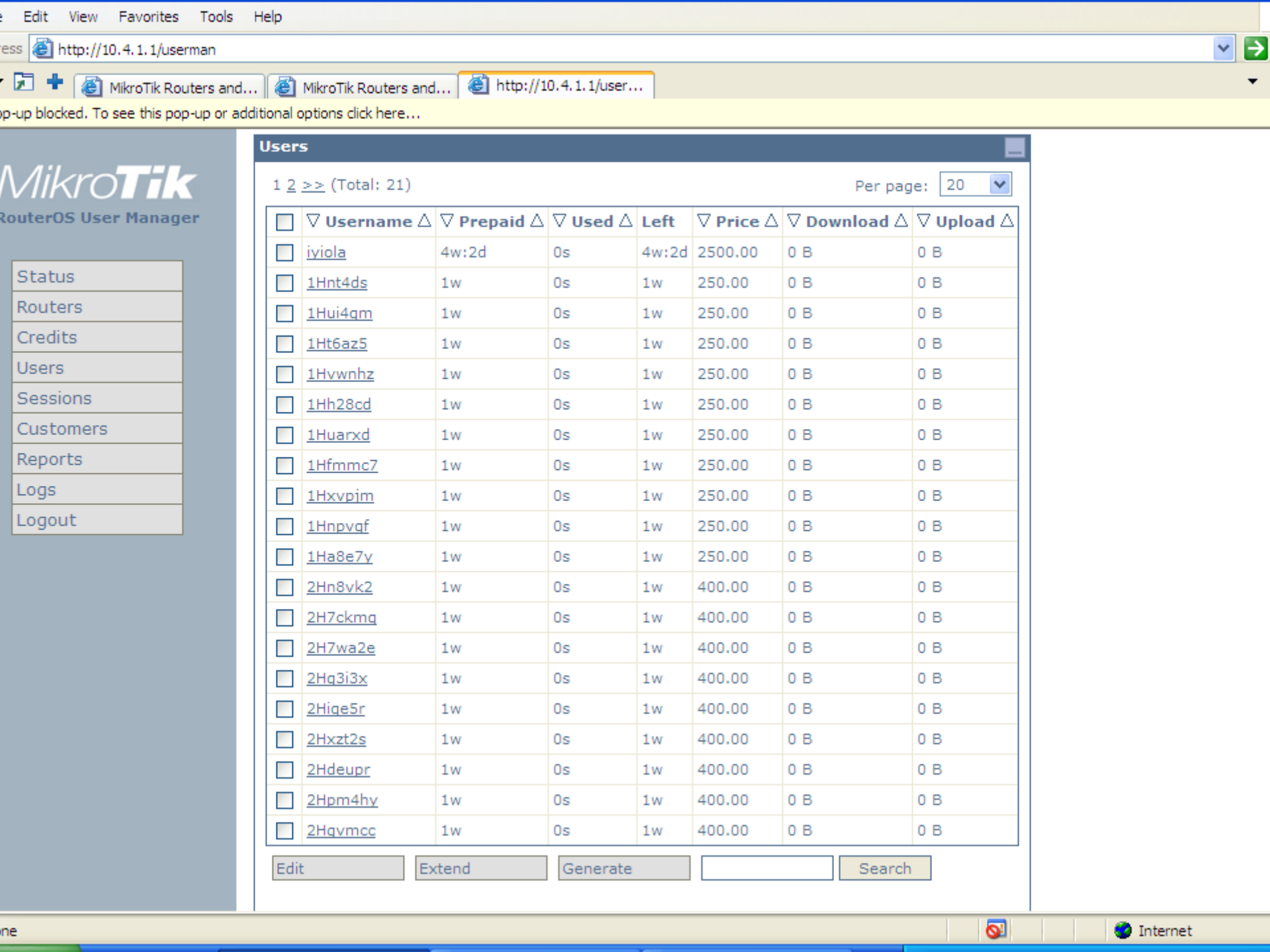



Edit View Favorites Tools Help
http://10.4.1.1/userman
MikroTik Routers and...
MikroTik Routers and...
http://10.4.1.1/user...
MikroTik
RouterOS User Manager
Status
Routers
Credits
Users
Sessions
Customers
Reports
Logs
Logout
Credits
Name
1hr
2hr
monthly
Remove
Add user
User Name: iyiola
Password: 65432
Private Information:
First Name: iyiola
Last Name: olaoluwa
Phone: 08034814324
Location: wuseII
Email: iyi@presidency.com
IP Address: 10.44.23.13
Pool Name:
Group:
Download limit: 0
Upload limit: 0
Uptime Limit: 0s
Rate limits:
Rate limit: RX 64000 TX 32000
Burst rate: RX TX
Burst threshold: RX TX
Burst time: RX TX
Priority: not specified
Min rate: RX TX
Add time: monthly (2500.00)
Add
Internet

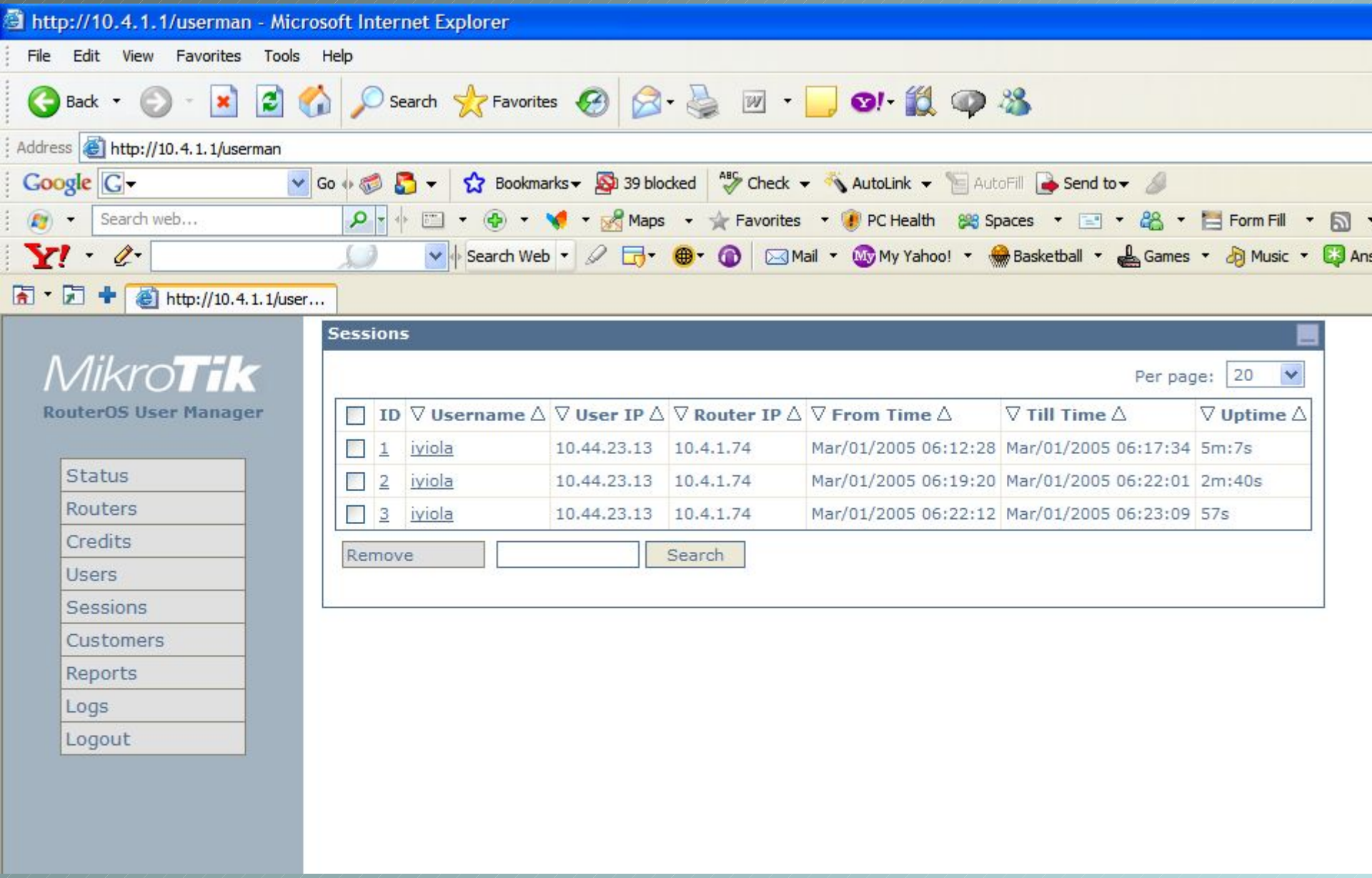
Adding users in batches



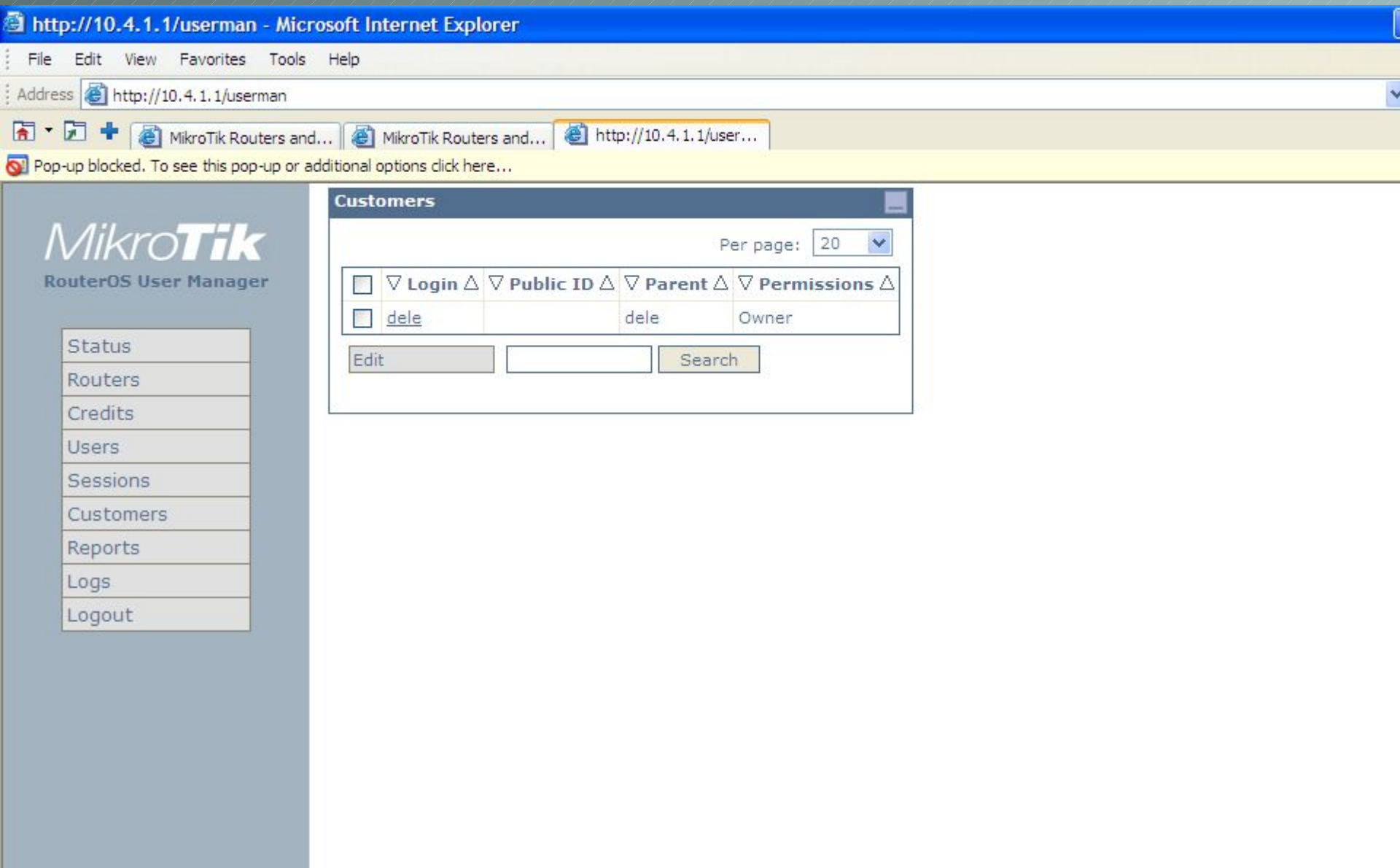

http://10.4.1.1/userman - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://10.4.1.1/userman
MikroTik Routers and...
MikroTik Routers and...
http://10.4.1.1/user...
Pop-up blocked. To see this pop-up or additional options click here...
MikroTik
RouterOS User Manager
Status
Routers
Credits
Users
Sessions
Customers
Reports
Logs
Logout
Add users
Number of users: 10
Additional login prefix: 2H
Rate limits:
Rate limit: RX 48000 TX 24000
Burst rate: RX TX
Burst threshold: RX TX
Burst time: RX TX
Priority: not specified
Min rate: RX TX
Uptime limit: 130m
Prepaid: 2hr (400.00)
Generate CSV file
Generate vouchers
Users per page: 3
Add


Edit View Favorites Tools Help
http://10.4.1.1/userman
MikroTik Routers and...
MikroTik Routers and...
http://10.4.1.1/user...
p-up blocked. To see this pop-up or additional options click here...
MikroTik
RouterOS User Manager
Status
Routers
Credits
Users
Sessions
Customers
Reports
Logs
Logout
Users
1 2 >> (Total: 21)
Per page: 20
Username Prepaid Used Left Price Download Upload
iviola 4w:2d 0s 4w:2d 2500.00 0 B 0 B
1Hnt4ds 1w 0s 1w 250.00 0 B 0 B
1Hui4qm 1w 0s 1w 250.00 0 B 0 B
1Ht6az5 1w 0s 1w 250.00 0 B 0 B
1Hvwnhz 1w 0s 1w 250.00 0 B 0 B
1Hh28cd 1w 0s 1w 250.00 0 B 0 B
1Huarxd 1w 0s 1w 250.00 0 B 0 B
1Hfmmc7 1w 0s 1w 250.00 0 B 0 B
1Hxvpjm 1w 0s 1w 250.00 0 B 0 B
1Hnpvqf 1w 0s 1w 250.00 0 B 0 B
1Ha8e7y 1w 0s 1w 250.00 0 B 0 B
2Hn8vk2 1w 0s 1w 400.00 0 B 0 B
2H7ckmq 1w 0s 1w 400.00 0 B 0 B
2H7wa2e 1w 0s 1w 400.00 0 B 0 B
2Hq3i3x 1w 0s 1w 400.00 0 B 0 B
2Hiqe5r 1w 0s 1w 400.00 0 B 0 B
2Hxzt2s 1w 0s 1w 400.00 0 B 0 B
2Hdeupr 1w 0s 1w 400.00 0 B 0 B
2Hpm4hy 1w 0s 1w 400.00 0 B 0 B
2Hqvmcc 1w 0s 1w 400.00 0 B 0 B
Edit
Extend
Generate
Search
Internet

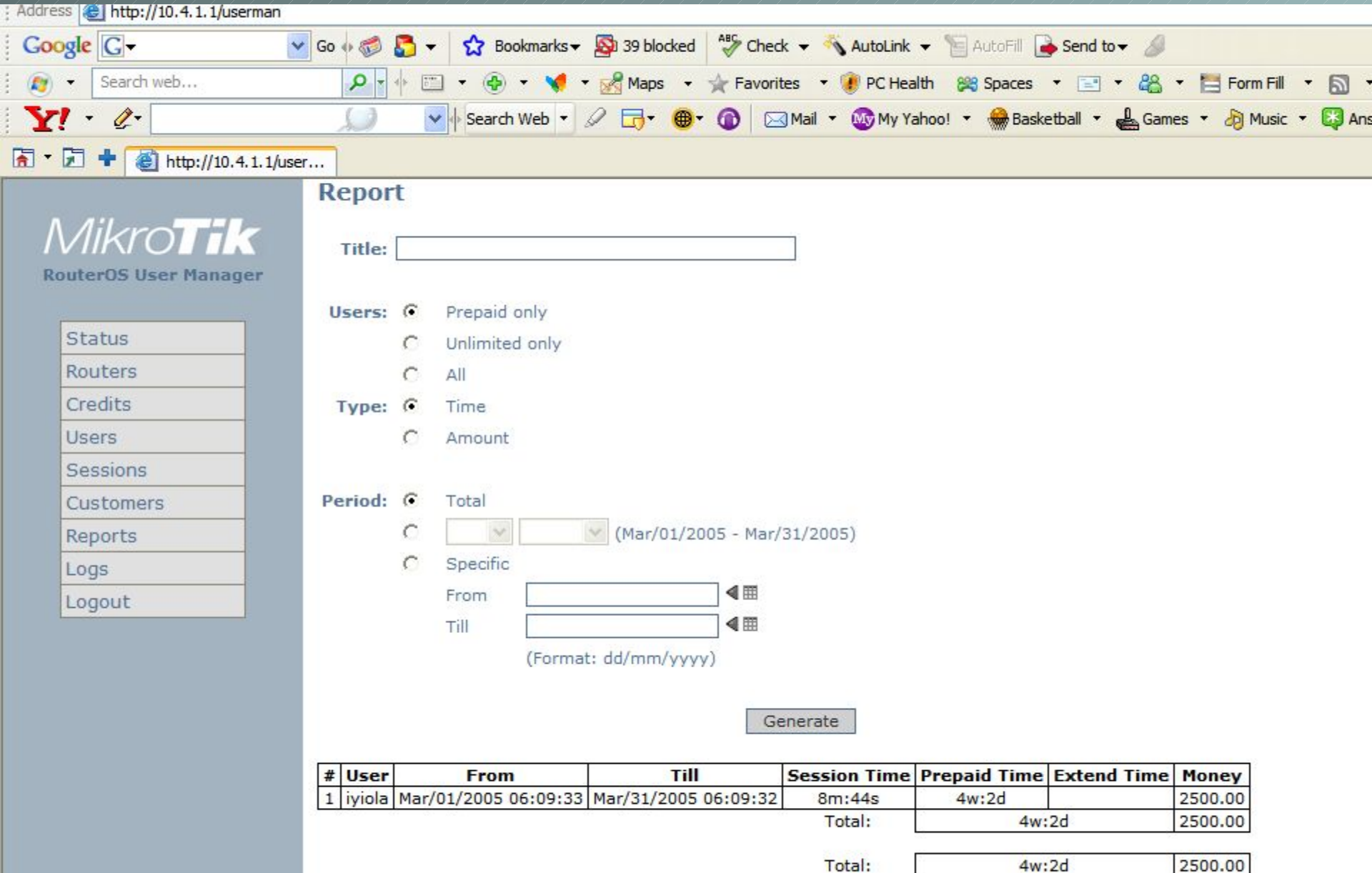
View Sessions



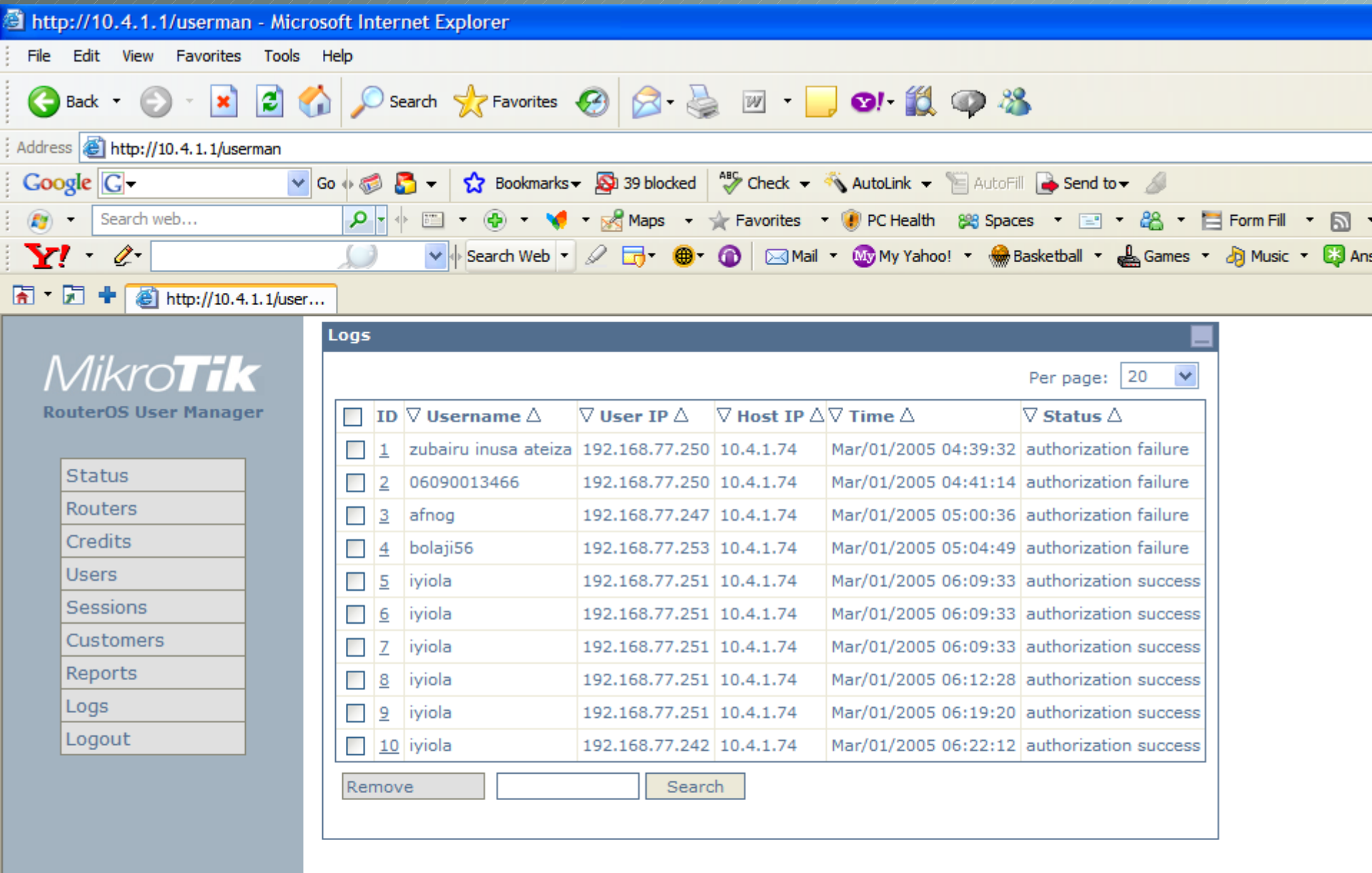
Adding read-only managers



Reports


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
Search Web
Mail
My Yahoo!
Basketball
Games
Music
http://10.4.1.1/user...
MikroTik
RouterOS User Manager
Status
Routers
Credits
Users
Sessions
Customers
Reports
Logs
Logout
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)
Generate
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 Search Favorites
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
Search Web Mail My Yahoo! Basketball Games Music
http://10.4.1.1/user...
MikroTik
RouterOS User Manager
Status
Routers
Credits
Users
Sessions
Customers
Reports
Logs
Logout
Logs
Per page: 20
ID Username User IP Host IP Time Status
1 zubairu inusa ateiza 192.168.77.250 10.4.1.74 Mar/01/2005 04:39:32 authorization failure
2 06090013466 192.168.77.250 10.4.1.74 Mar/01/2005 04:41:14 authorization failure
3 afnog 192.168.77.247 10.4.1.74 Mar/01/2005 05:00:36 authorization failure
4 bolaji56 192.168.77.253 10.4.1.74 Mar/01/2005 05:04:49 authorization failure
5 iyiola 192.168.77.251 10.4.1.74 Mar/01/2005 06:09:33 authorization success
6 iyiola 192.168.77.251 10.4.1.74 Mar/01/2005 06:09:33 authorization success
7 iyiola 192.168.77.251 10.4.1.74 Mar/01/2005 06:09:33 authorization success
8 iyiola 192.168.77.251 10.4.1.74 Mar/01/2005 06:12:28 authorization success
9 iyiola 192.168.77.251 10.4.1.74 Mar/01/2005 06:19:20 authorization success
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.
* Otosat ISP and hotspot services, Benin.

and many more

Try it out

MikroTik treasures users feedback

Thank you