# USER MANAGER

## For

## Hotspot User Management

ID-Networkers
INDONESIAN EXPERT FACTORY

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December, 30th 1997

Teacher in Madinatul 'Ilmi Vocational High School

MTCNA
MTCRE
MTCUME
MTCINE

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# About Madinatul 'Ilmi Vocational High School

We learn networking from morning until night.

Not only learn about networking, we also learning about religious.

We also have programming class! which focus learning about mobile aps.

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# What is User Manager??

User manager is features which can used to centralized user management.

User manager can manage hotspot user, PPP users, Wireless users, and RouterOS users.

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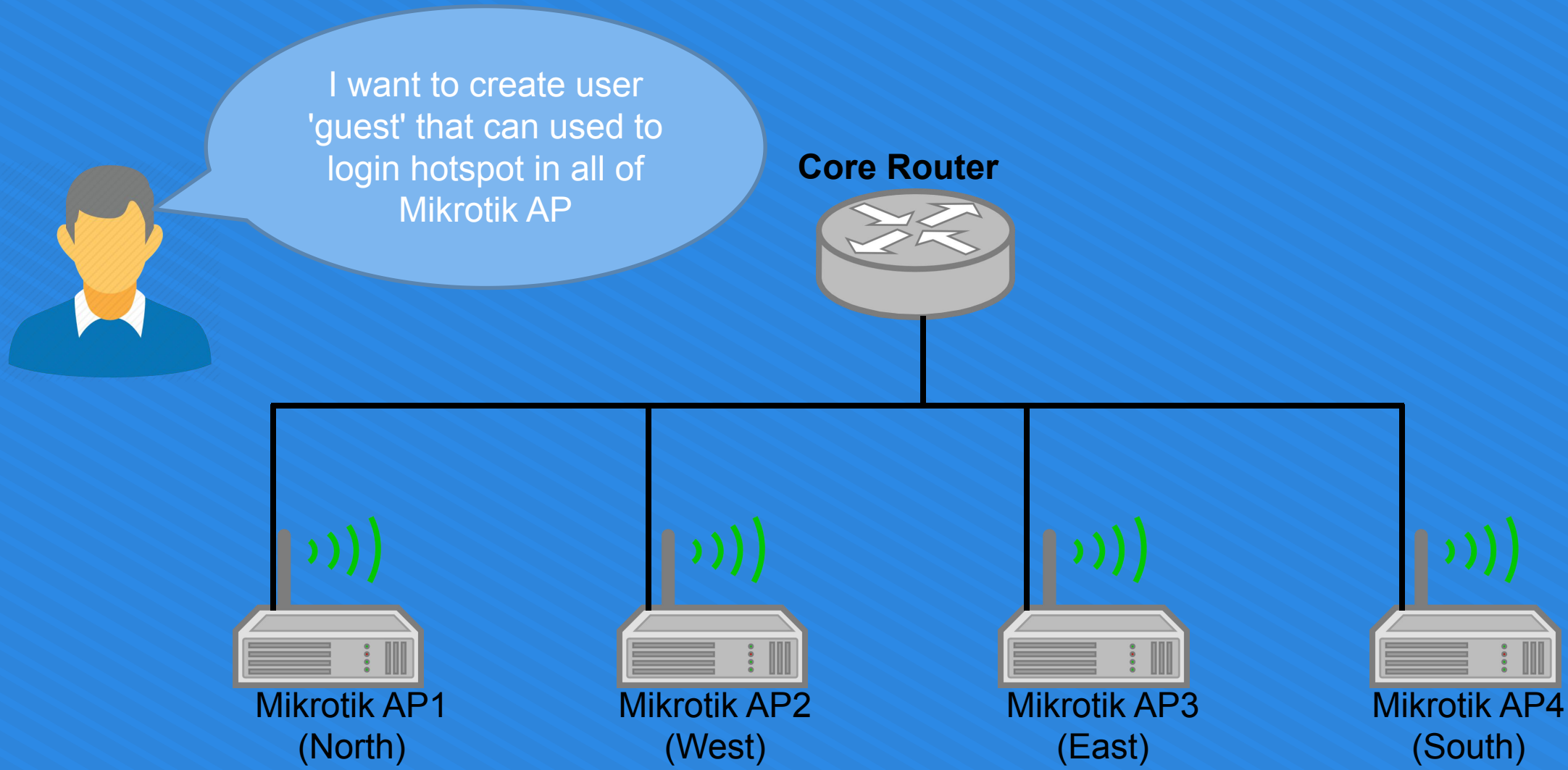
# We have a problem!!

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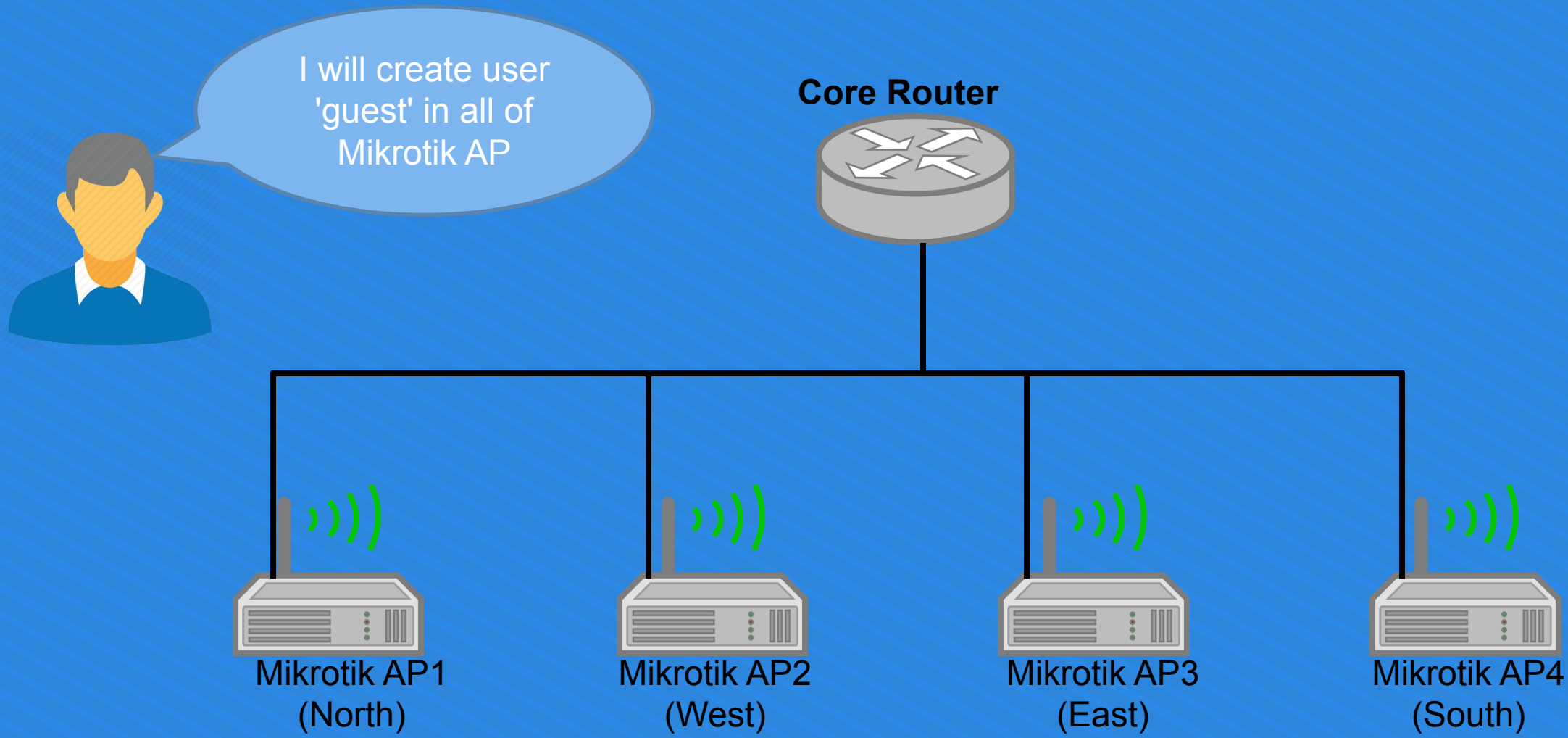
# Solution 1

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# Is This The Best Solution??

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# Solution 1
## <The Weakness>

I will create user 'guest' in all of Mikrotik AP

That is litle crazy solution man!!

if you have 100 router, will you create user in 100 router??

That is litle crazy solution man!!

If you must manage bandwidht for 'guest' user, will you create **queue** rule in 100 router too?

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# Solution 1
## <The Weakness>

I will create user 'guest' in all of Mikrotik AP

That is litle crazy solution man!!

If you need to monitor user, will you monitor in 100 router??

Do you have another solution??

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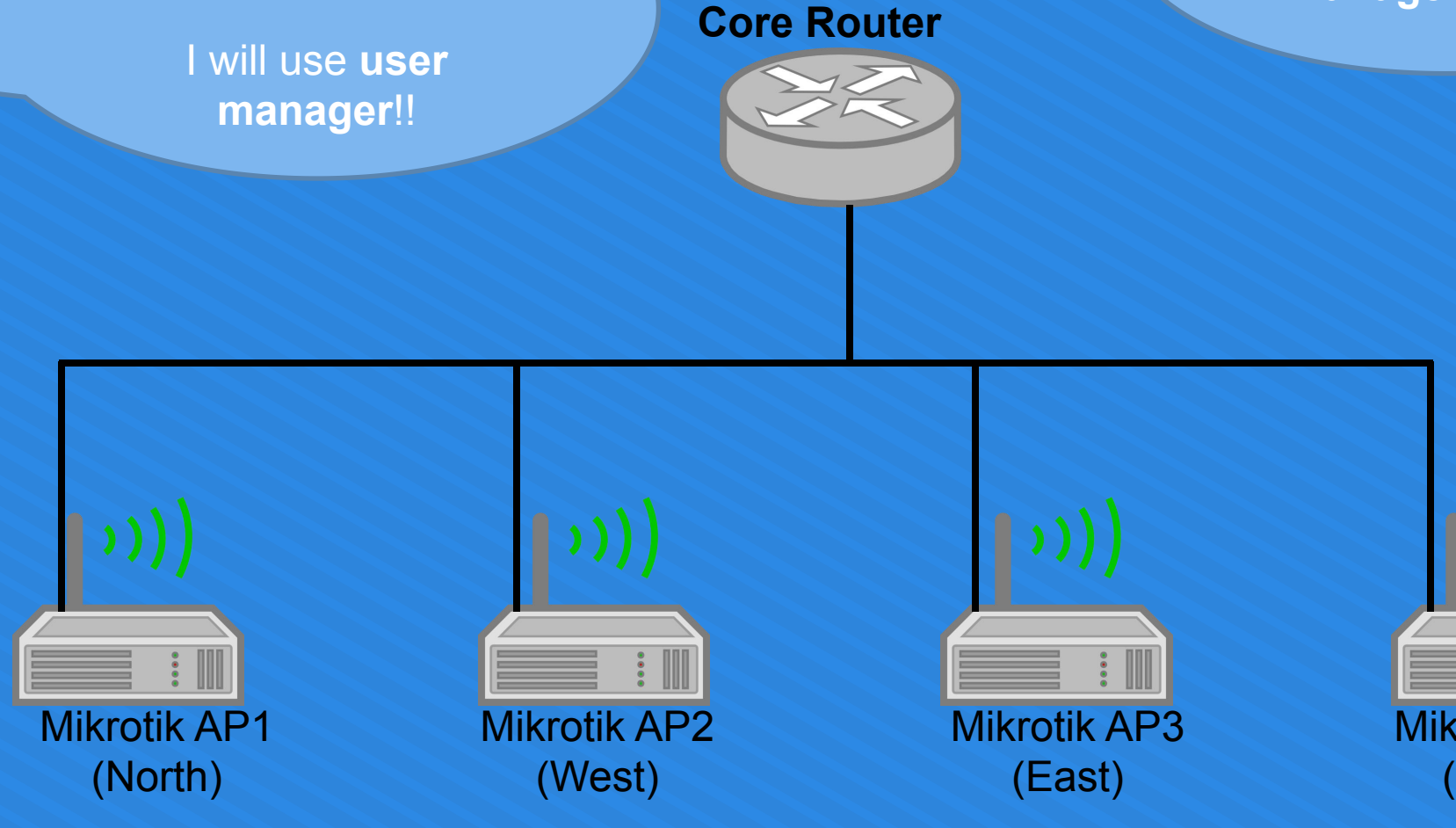
# Solution 2

Oh, i have another solution!

I will use **user manager**!!

I just need to create user 'guest' in **User Manager Server**

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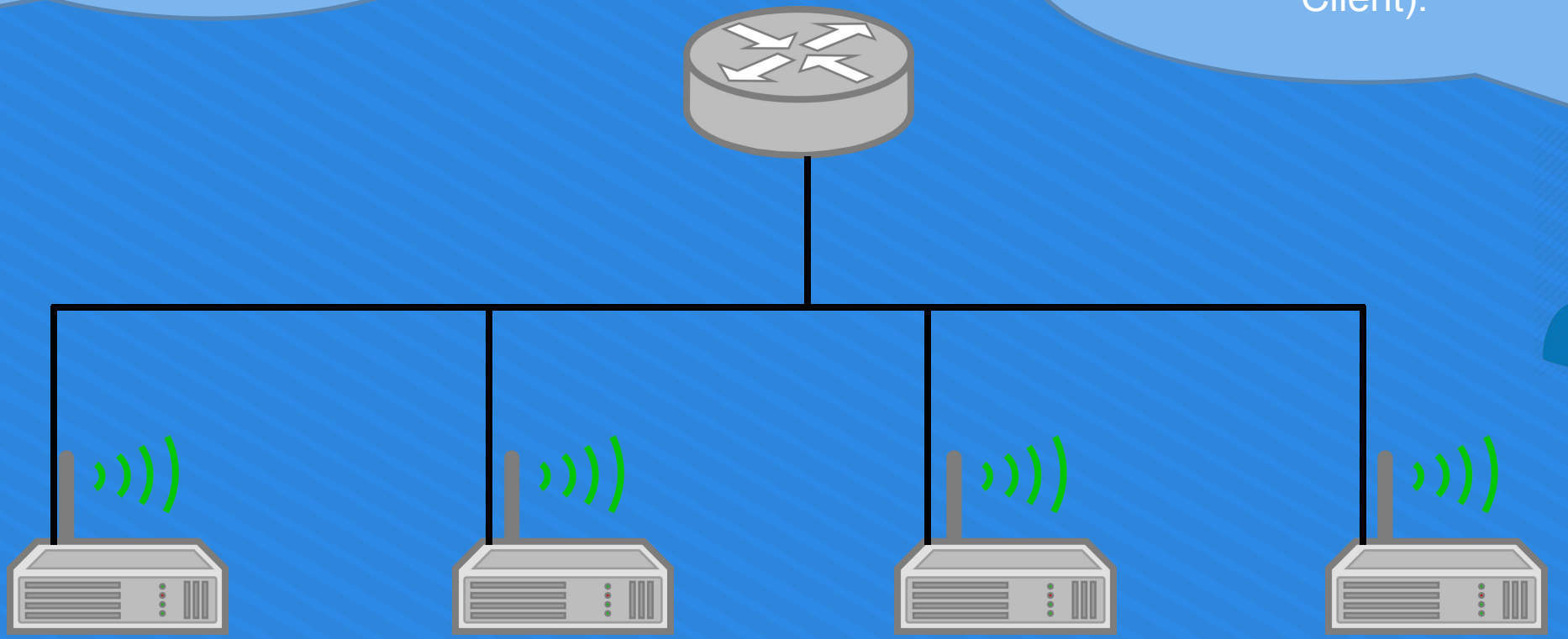
# Solution 2

I will configure user manager server (Radius Server) in **Core Router**

All of Mikrotik AP will become a NAS (Radius Client).

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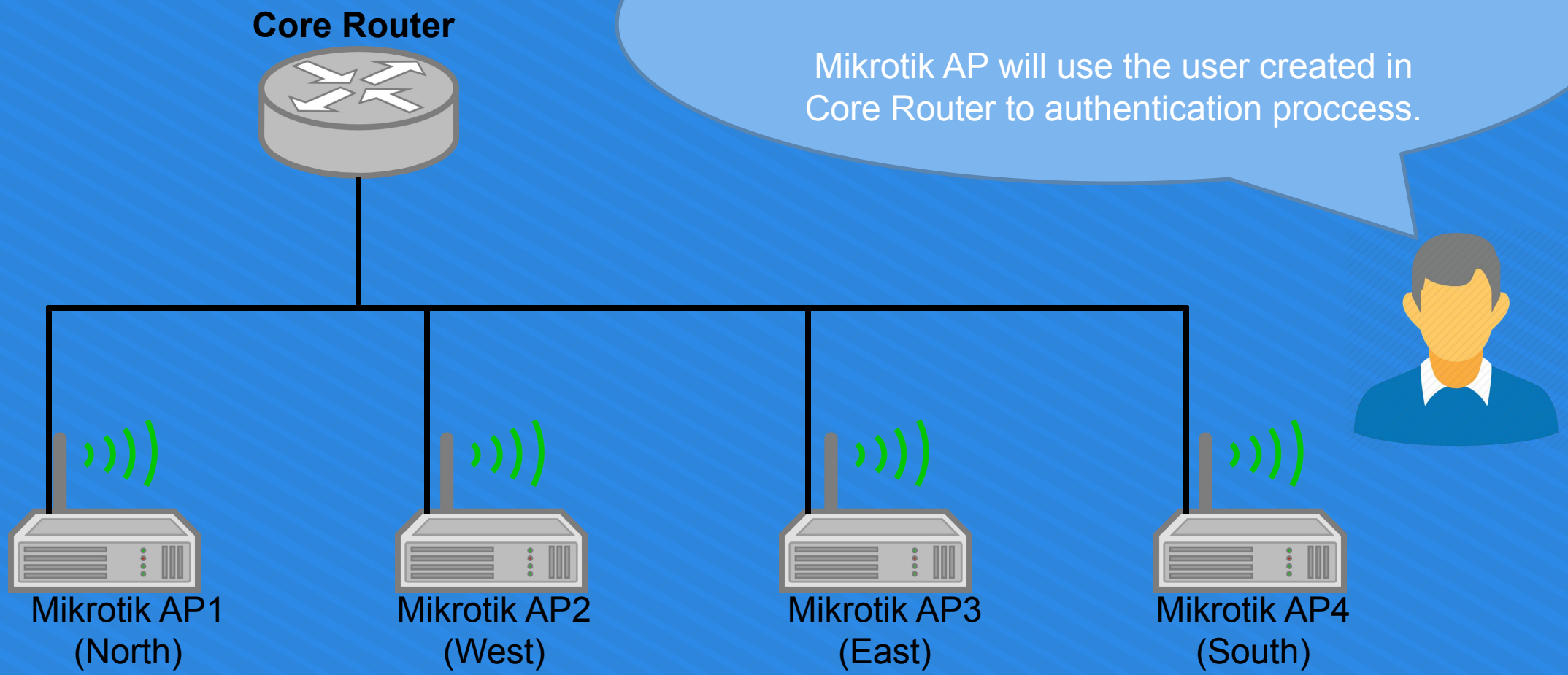
# Solution 2

If there is client, login with user 'guest' in Mikrotik AP1,

Mikrotik AP will use the user created in Core Router to authentication proccess.

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# Solution 2

How about bandwidth management?

Cause we only create user in Core Router, so we just only need to configure bandwith management in Core Router too!

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# Solution 2

How about monitoring?? can you monitor all loged in user only in Core Router??

Absouluteley!! Remember that we only create user in Core Router, so all user activity will captured by Core Router.

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# The benifits

So what actually the benifits of user manager?

This is about Efficiency! If we use user manager, we can implement **Centralized User Management**

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# When we must use User Manager?

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# Who Needs User Manager?

User manager will be very usefull for **Internet Service Provider**. In user manager, we can make vouchers.

**ISP** can use that vouchers to sell internet connections.

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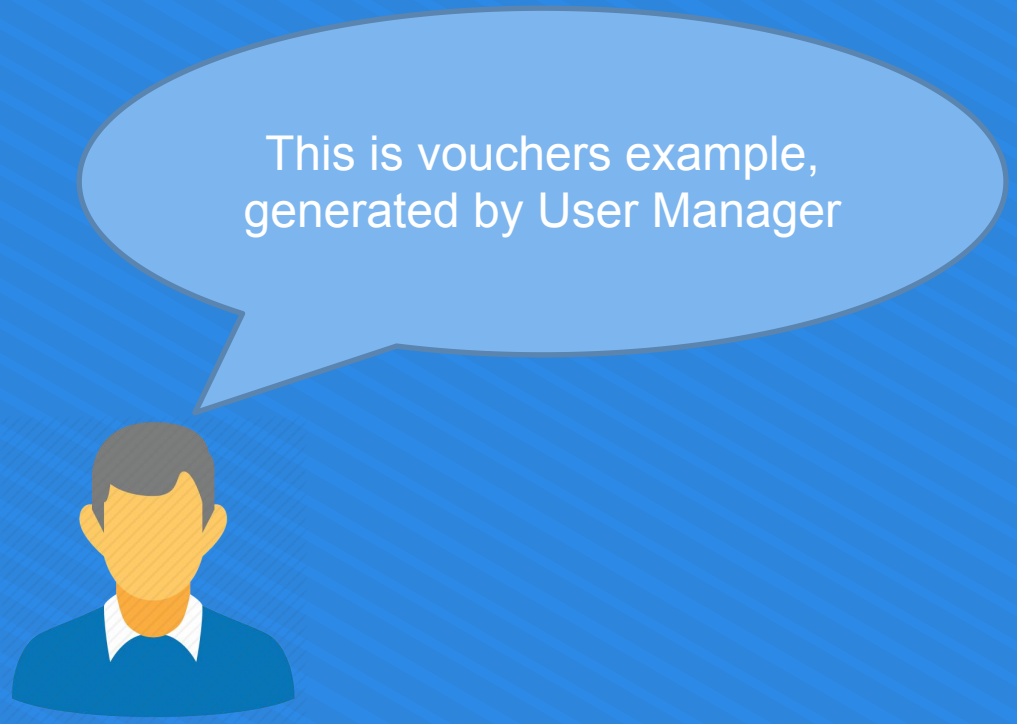
# Vouchers Example



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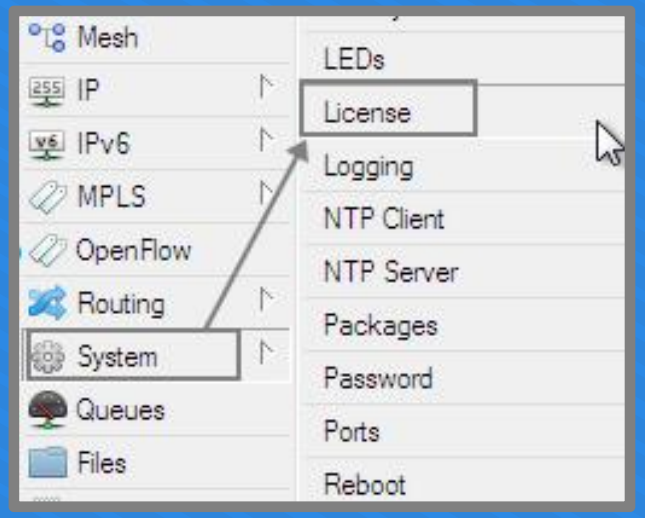
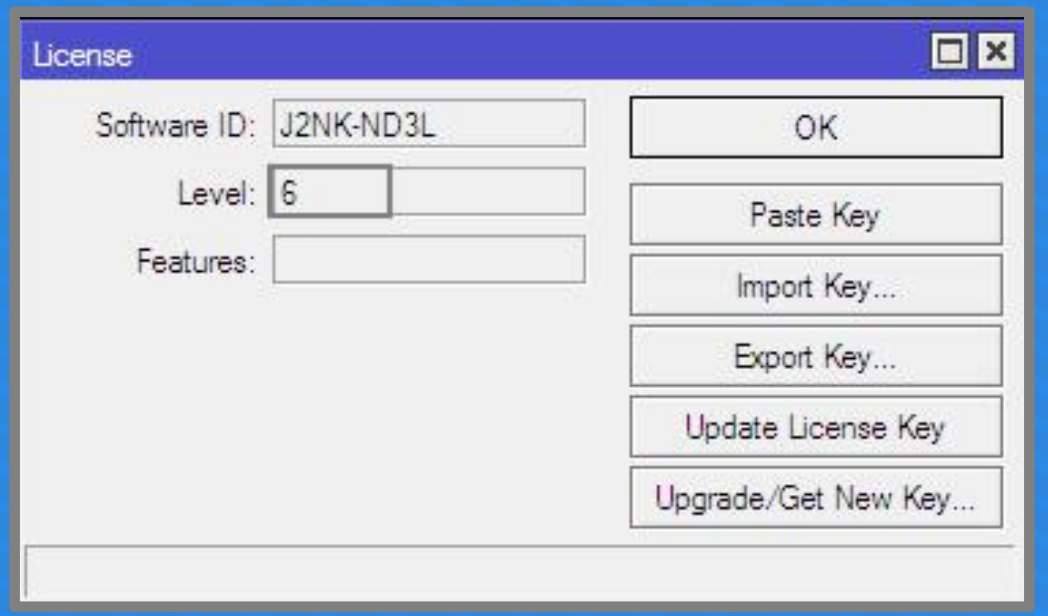
# Usermanager Limitation

| Mikrotik Level | User Manager Active Users |
|---|---|
| Level 3 | 1 |
| Level 4 | 20 |
| Level 5 | 50 |
| Level 6 | Unlimited |

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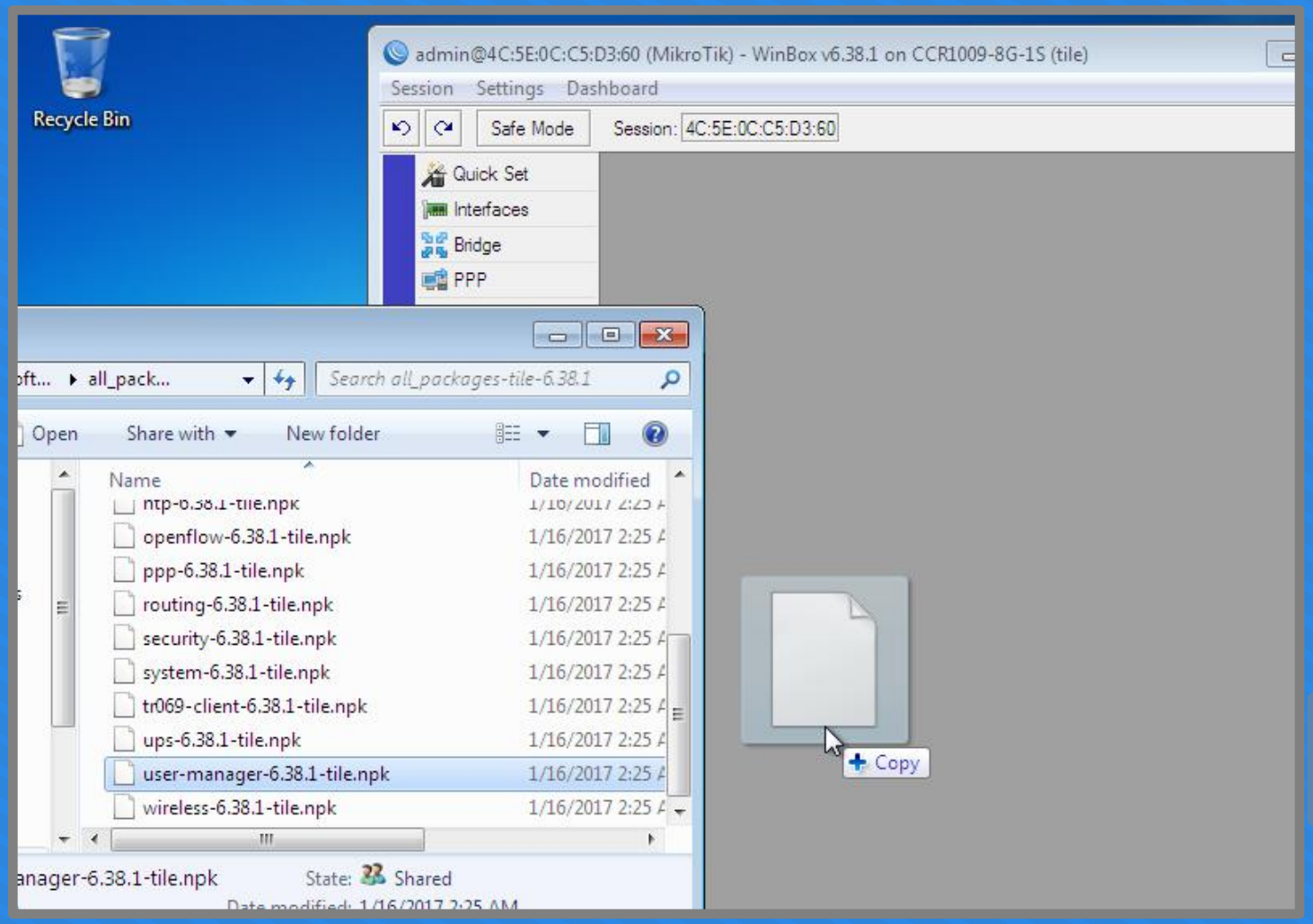
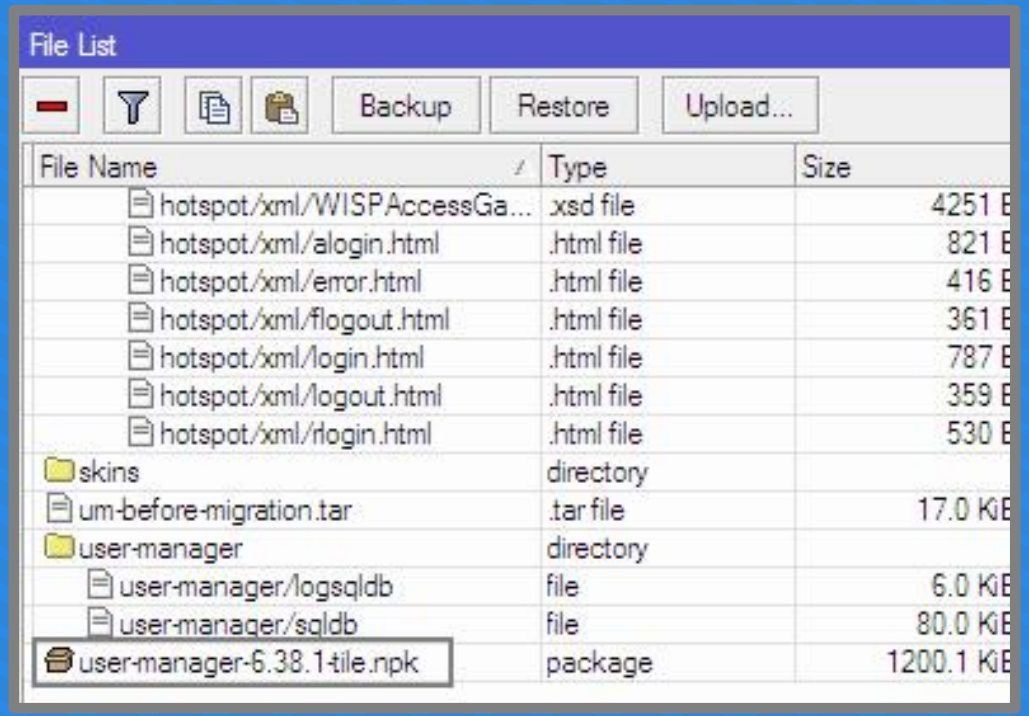
# User Manager Installation




Reboot your router!!

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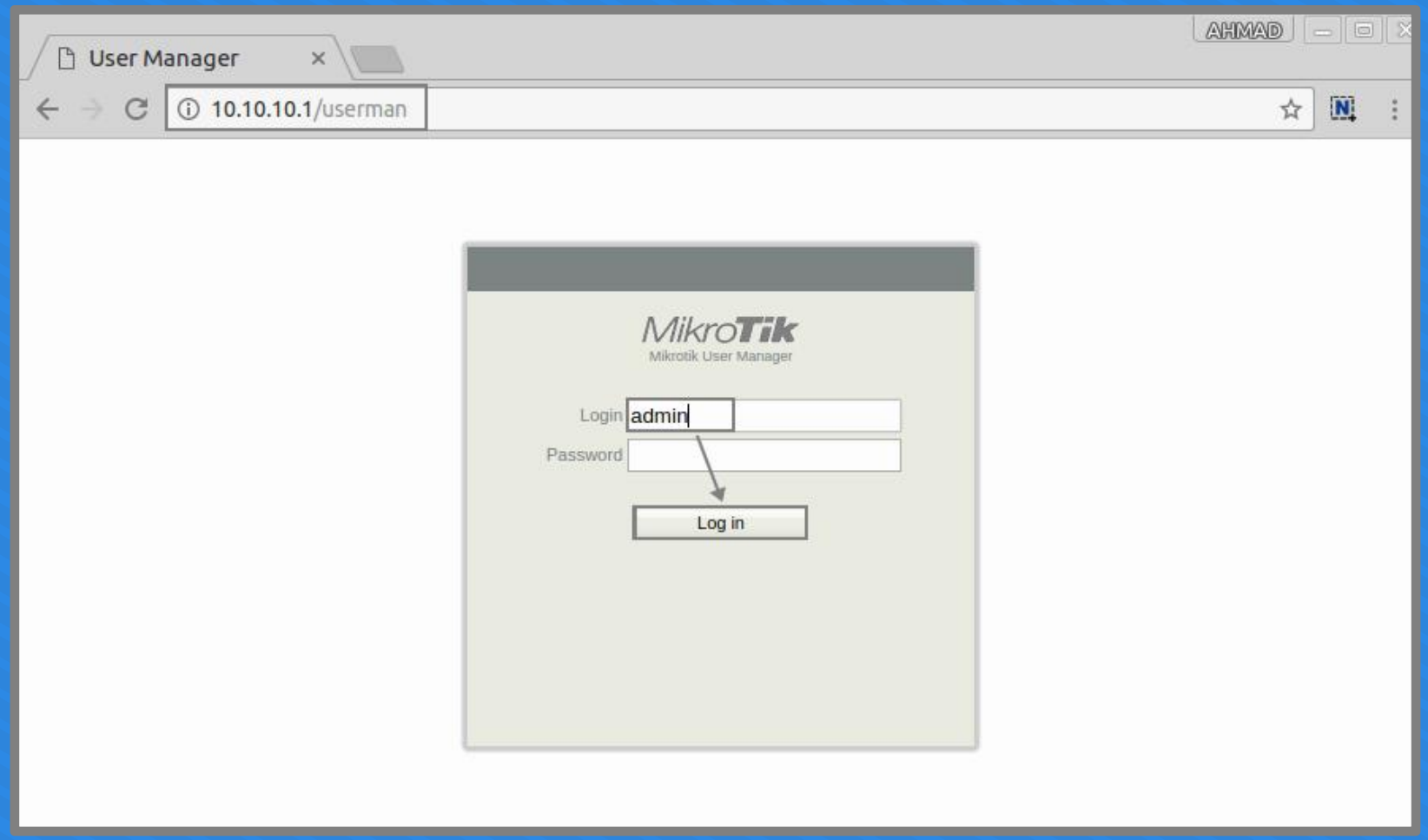
# Configuring User Manager

http://10.10.10.2/userman




Default user is admin with 'blank' password

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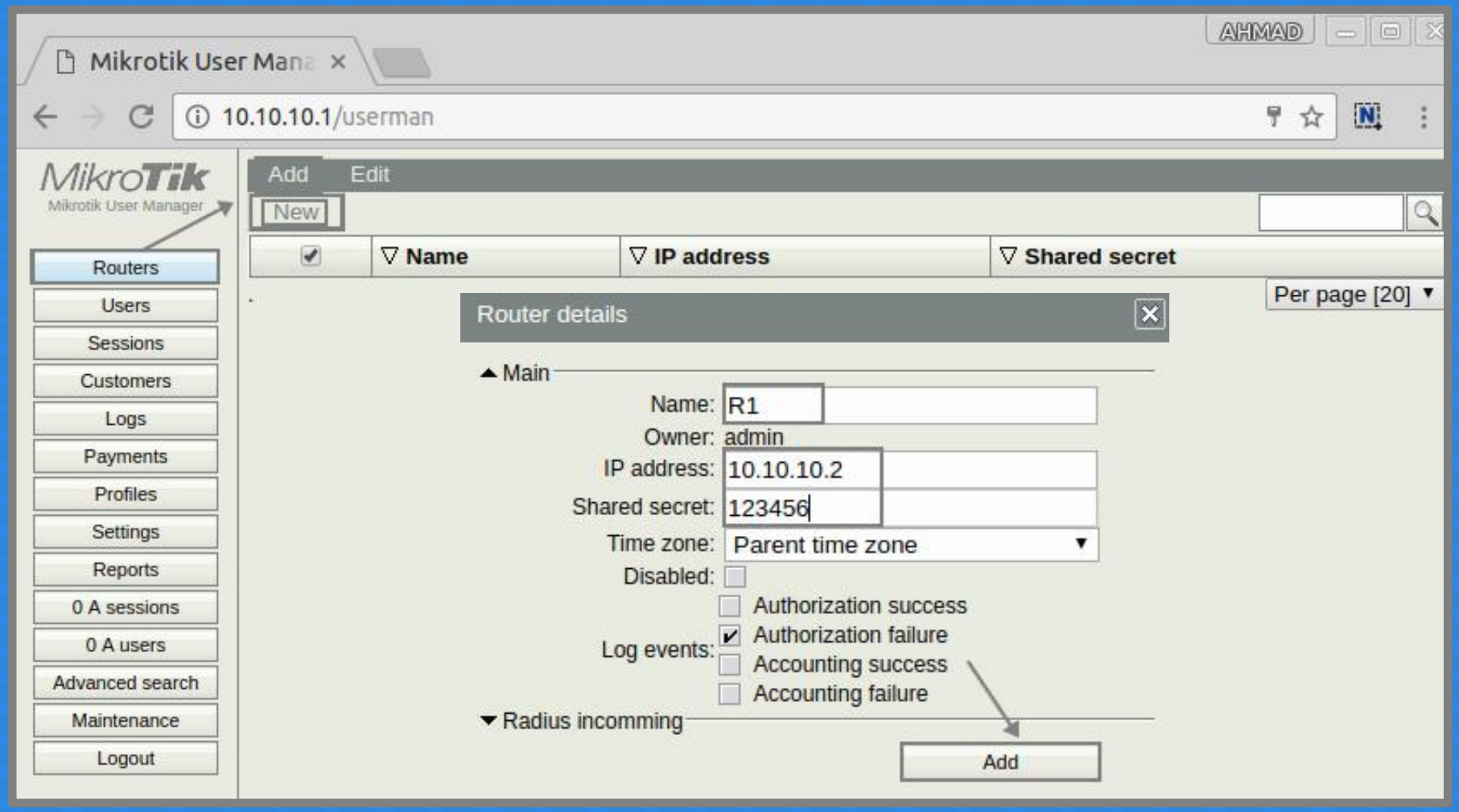
# Configuring User Manager




add router, which will managed by user manager (R1 & R2)

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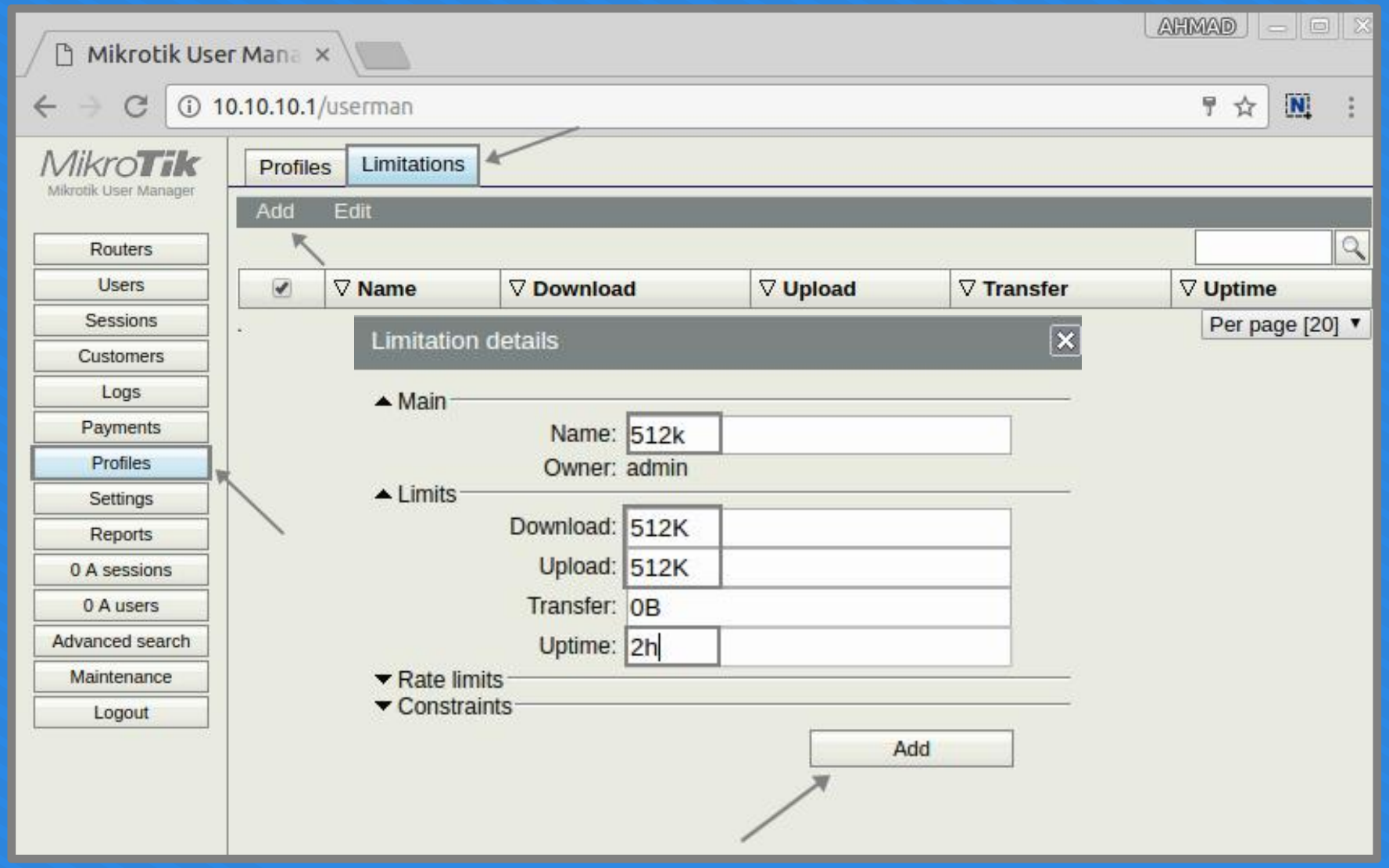
# Configuring User Manager <continue>




add limitation for profiles

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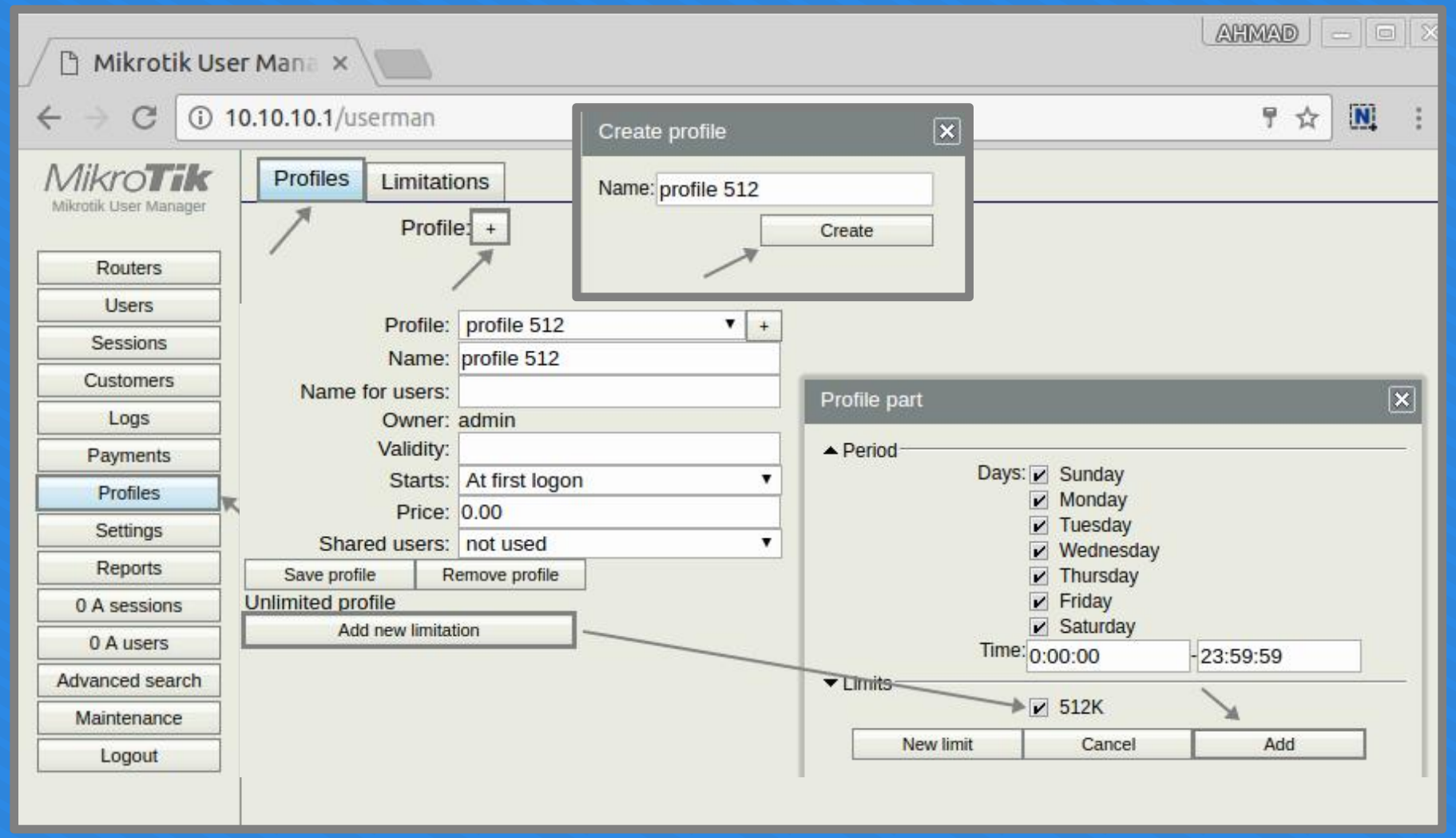
# Configuring User Manager <continue>




add a new profile

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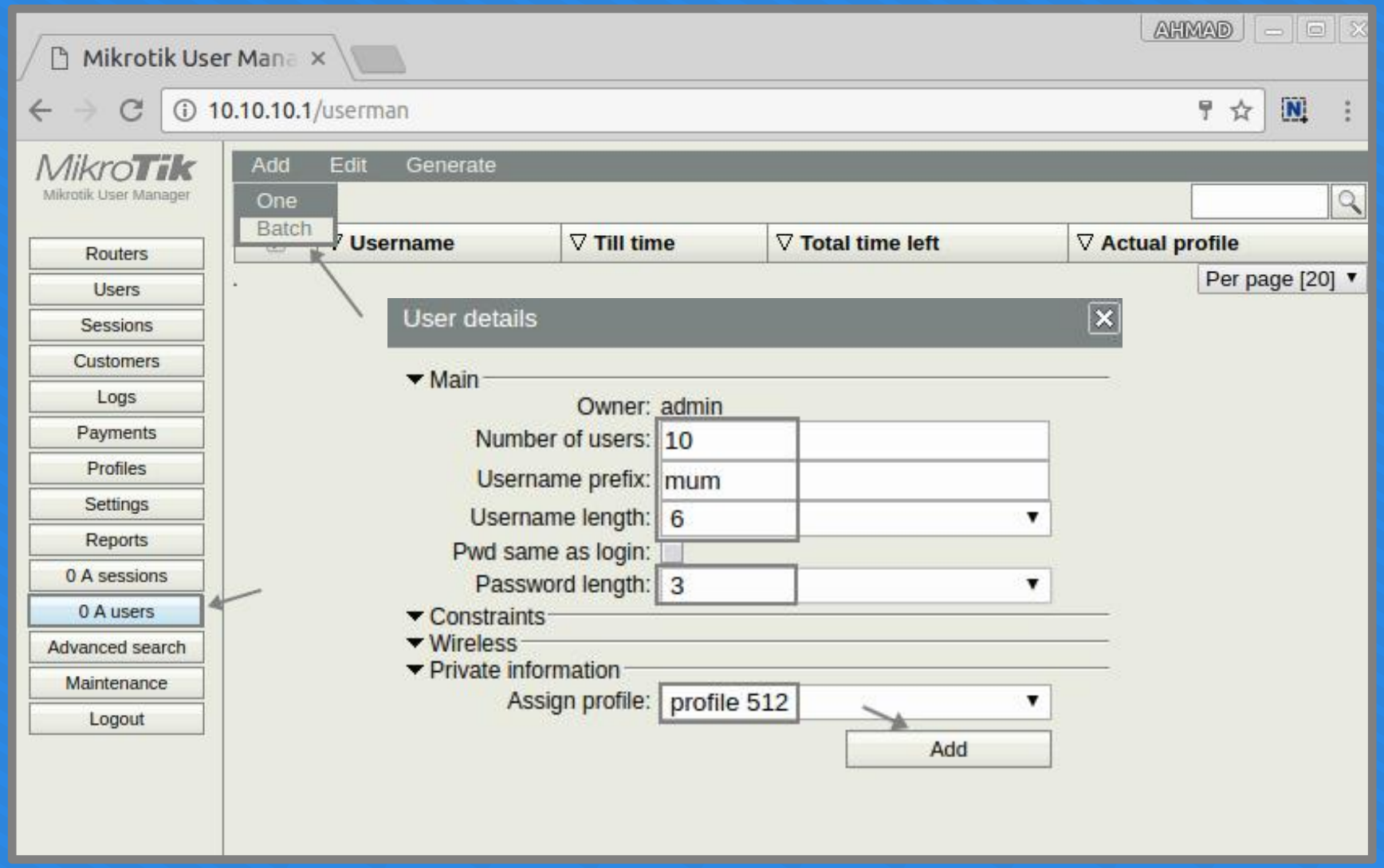
# Configuring User Manager <continue>




create batch users

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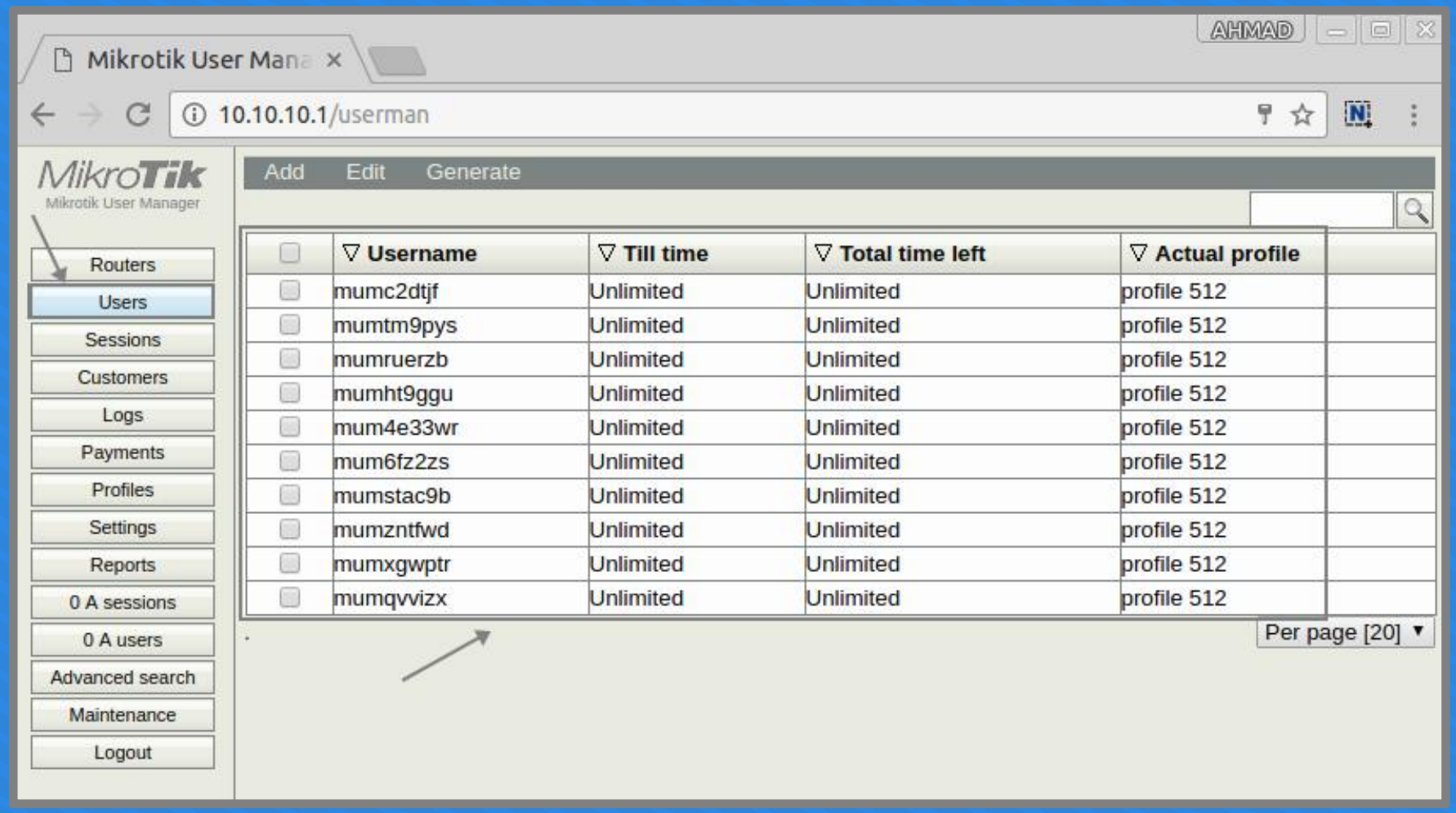
# Configuring User Manager <continue>




| Username | Till time | Total time left | Actual profile |
|---|---|---|---|
| mumc2dtjf | Unlimited | Unlimited | profile 512 |
| mumtm9pys | Unlimited | Unlimited | profile 512 |
| mumruerzb | Unlimited | Unlimited | profile 512 |
| mumht9ggu | Unlimited | Unlimited | profile 512 |
| mum4e33wr | Unlimited | Unlimited | profile 512 |
| mum6fz2zs | Unlimited | Unlimited | profile 512 |
| mumstac9b | Unlimited | Unlimited | profile 512 |
| mumzntfwd | Unlimited | Unlimited | profile 512 |
| mumxgwptr | Unlimited | Unlimited | profile 512 |
| mumqvvizx | Unlimited | Unlimited | profile 512 |

the list of new users

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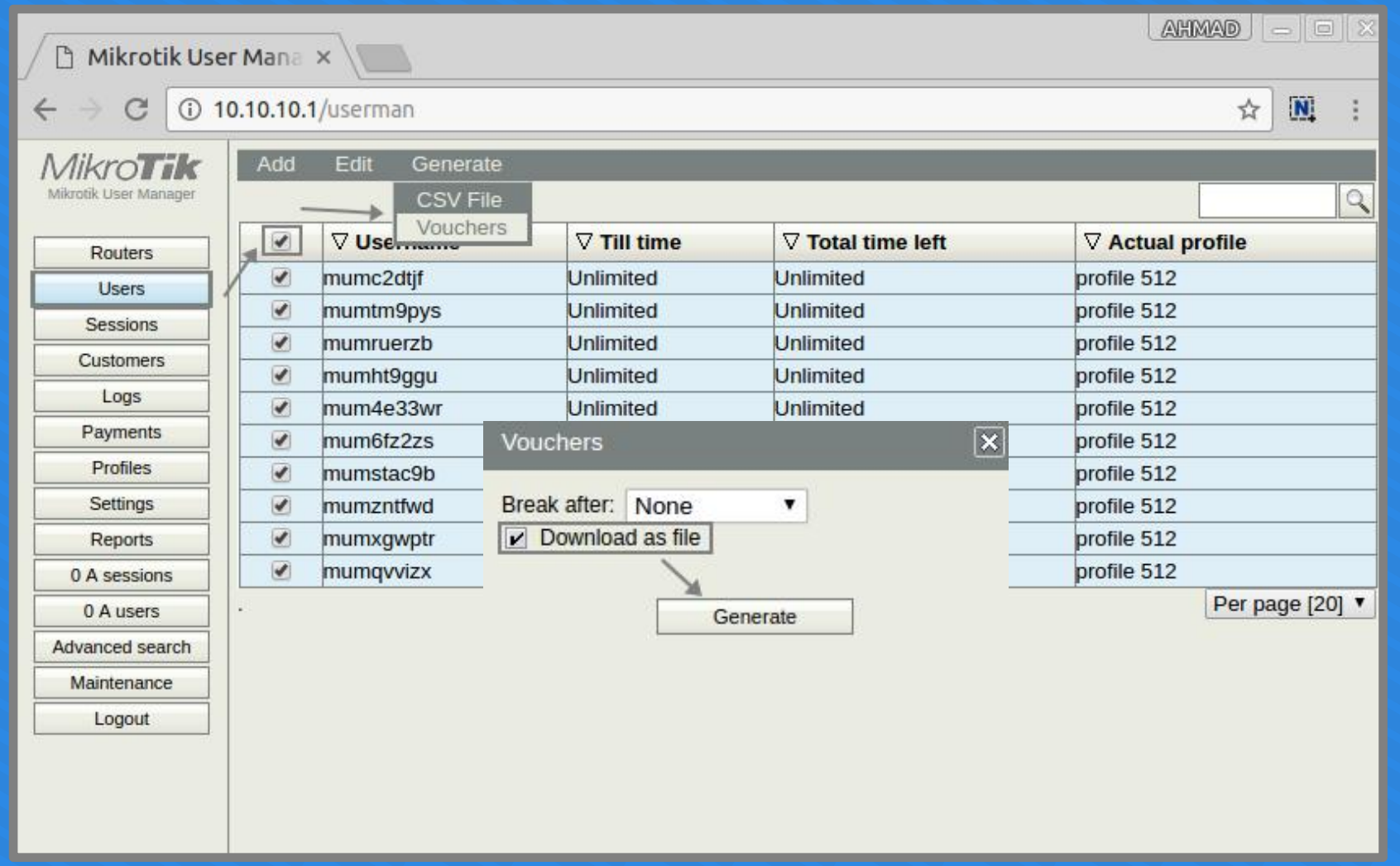
# Configuring User Manager <continue>




generate vouchers for users

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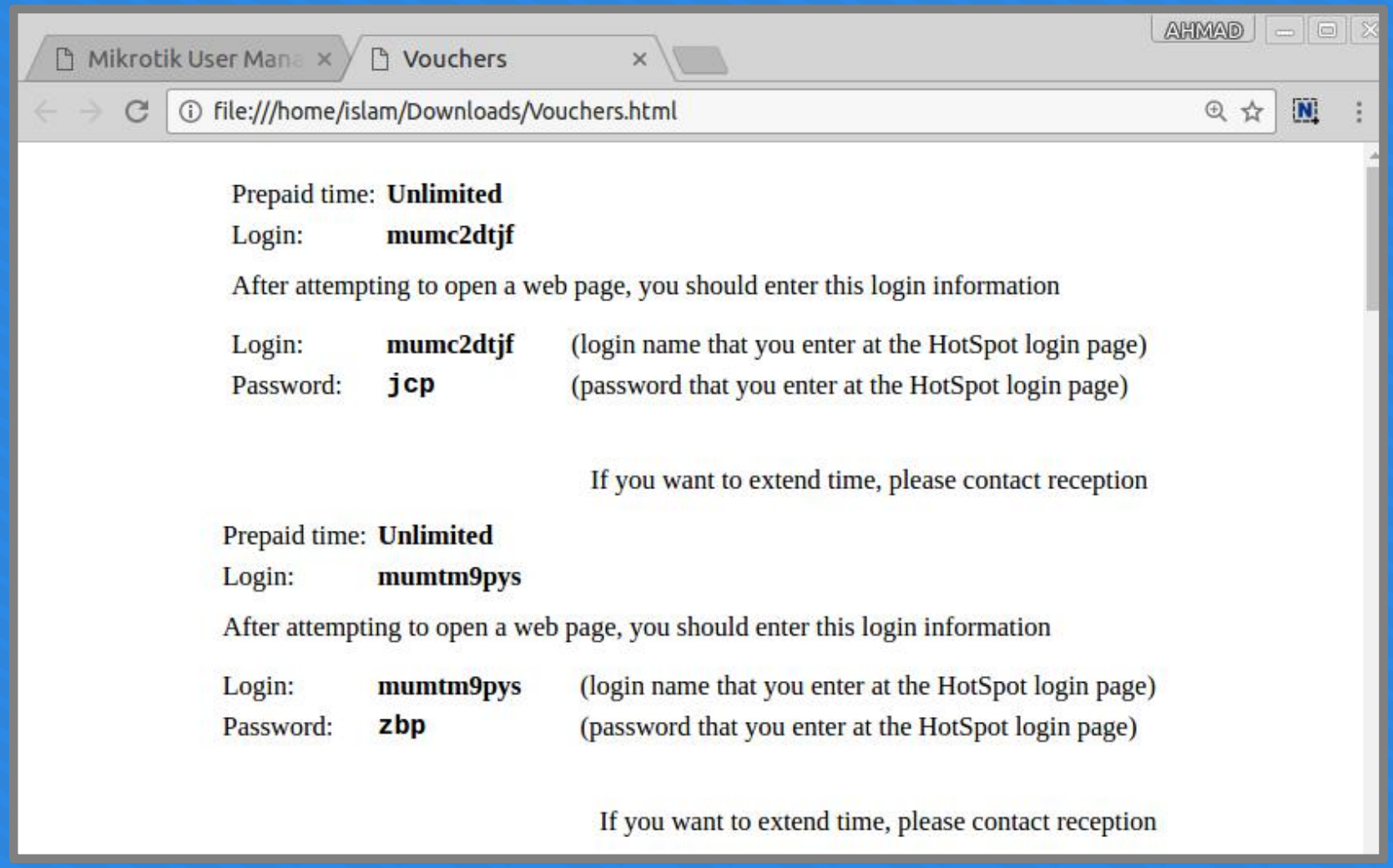
# Configuring User Manager <continue>




the result of vouchers

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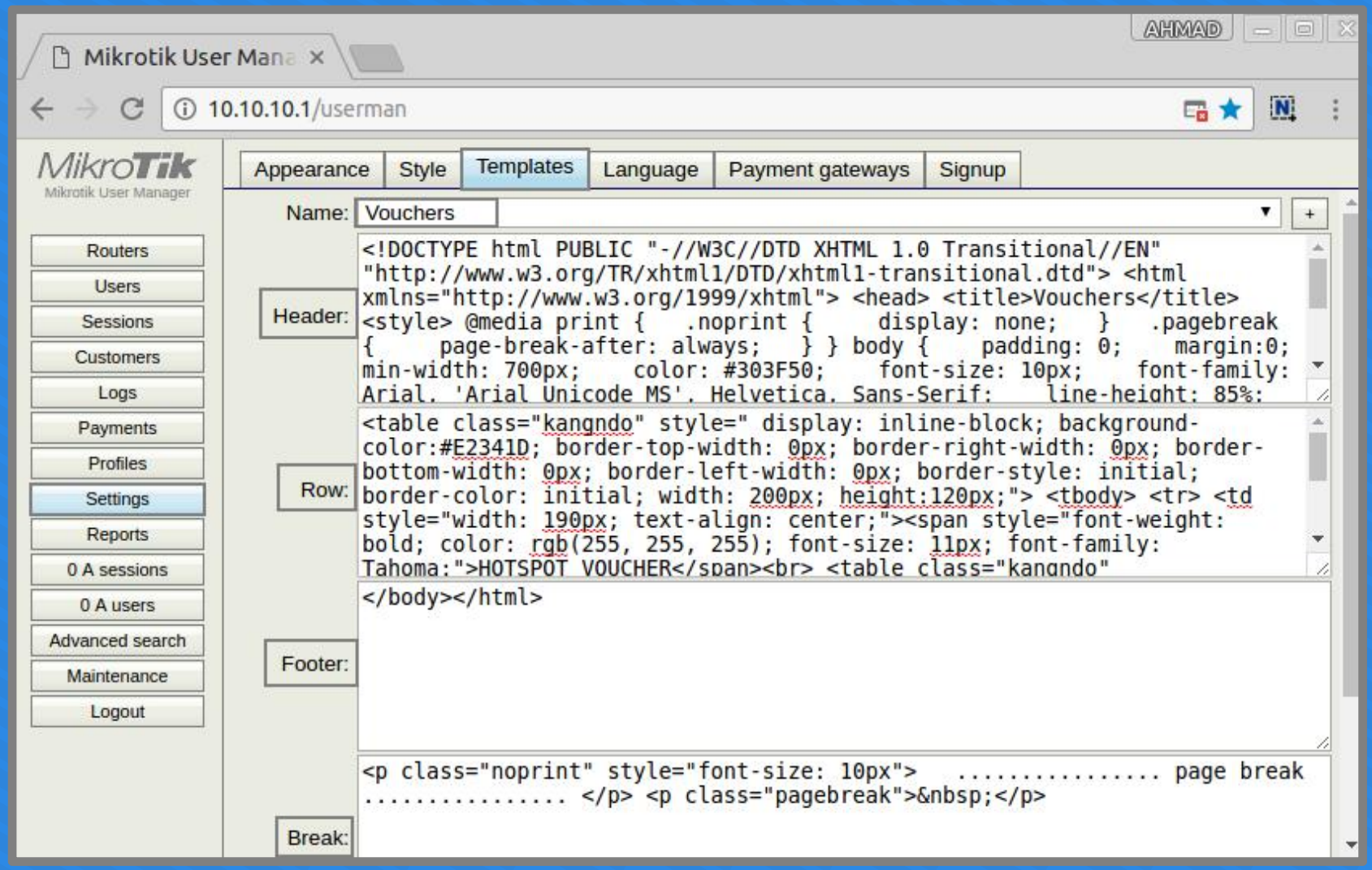
# Configuring User Manager <continue>




Change vouchers template.

You can download voucher template from internet

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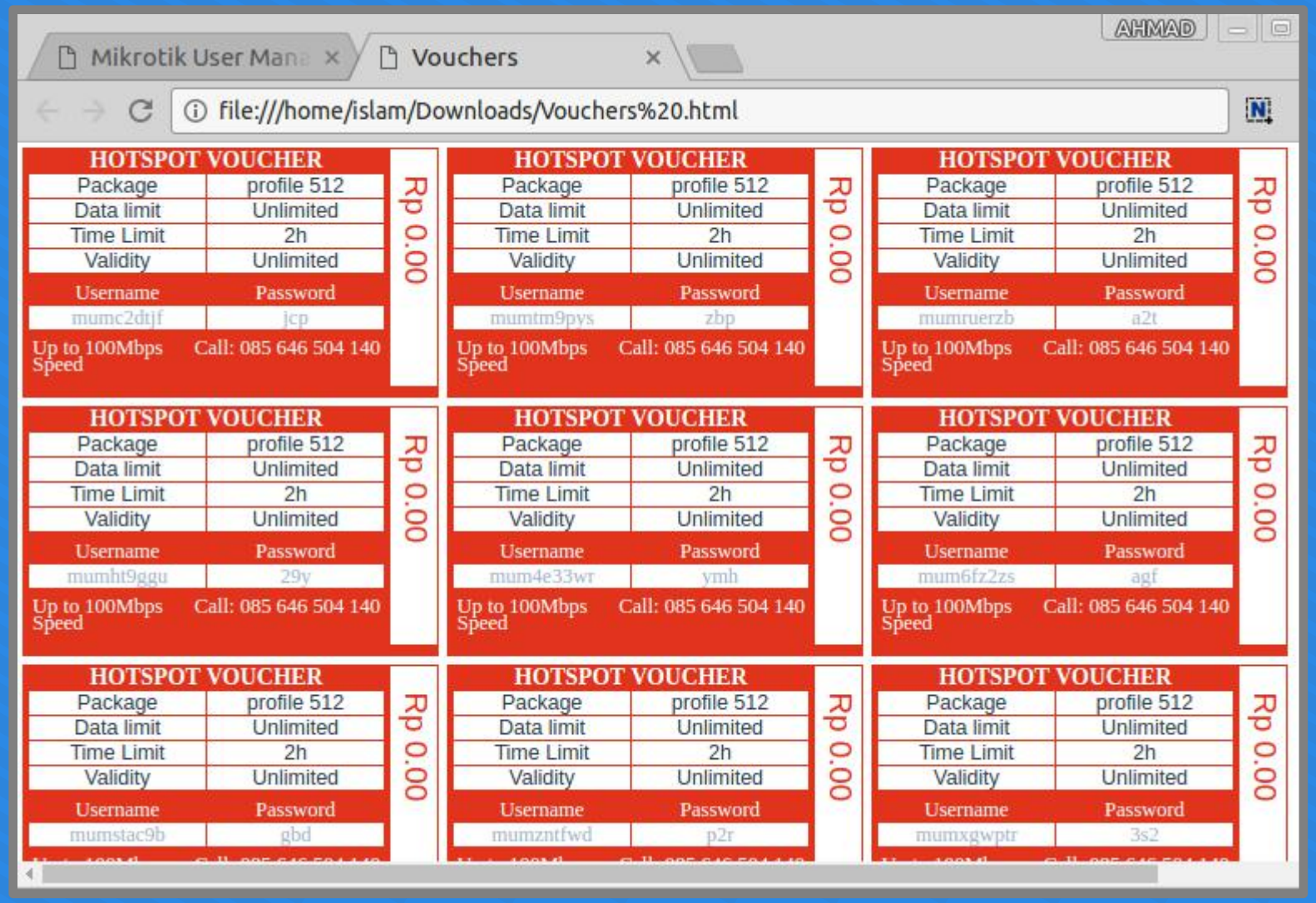
# Configuring User Manager <continue>




Vouchers after change the template

Look more beauty right??

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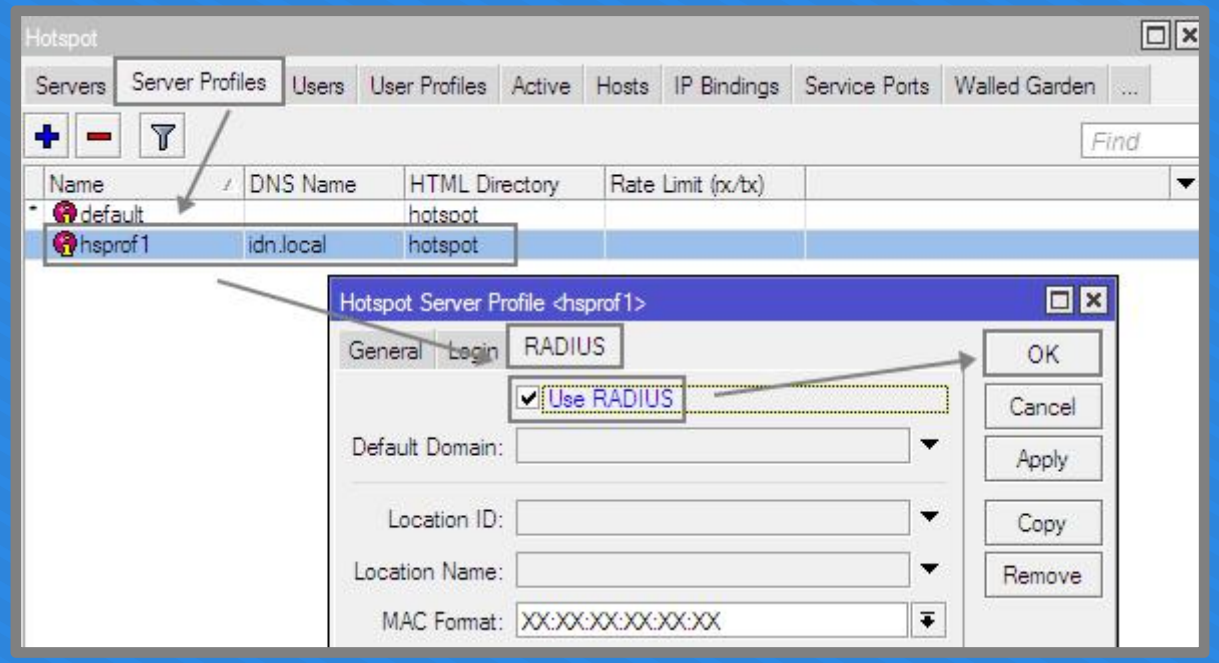
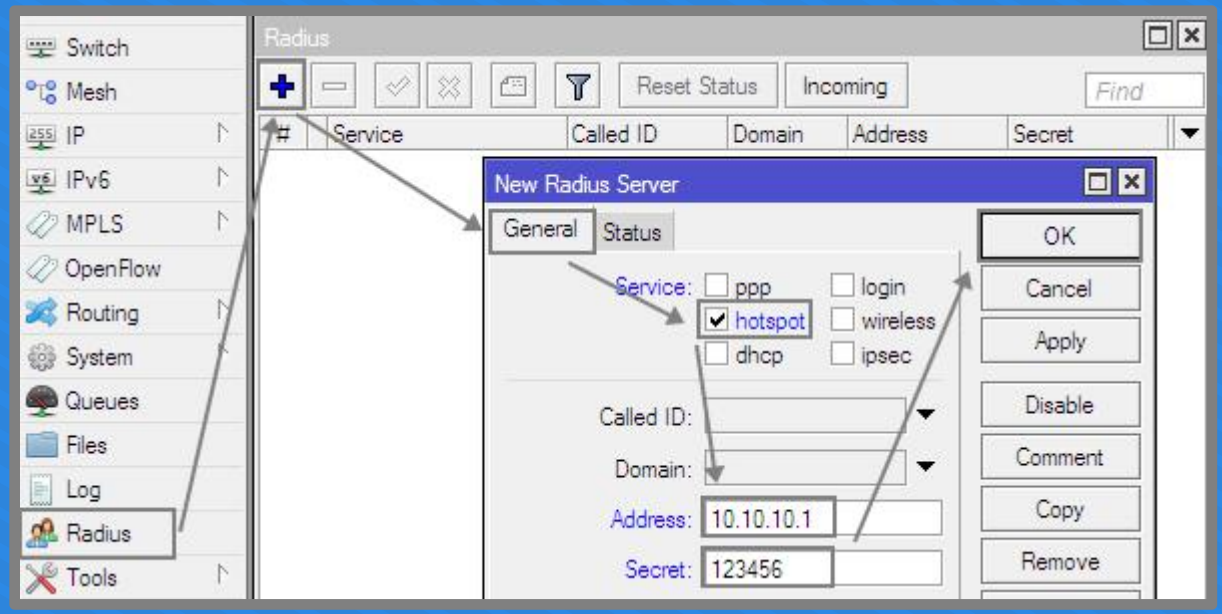
# R1 & R2 Configuration




connecting hotspot server to user manager

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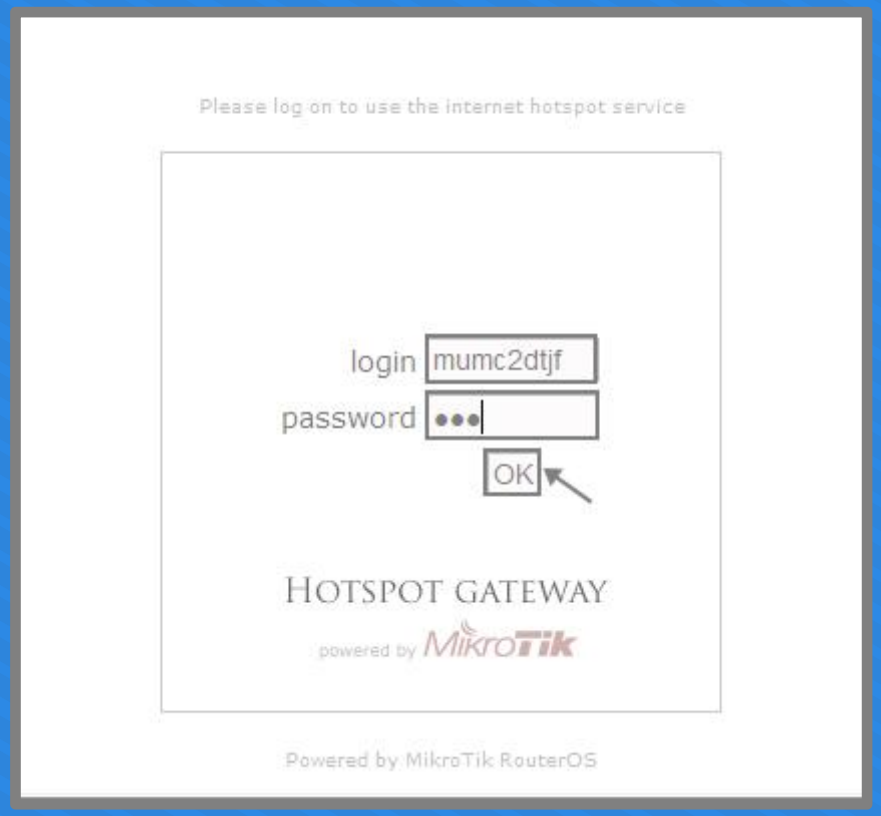
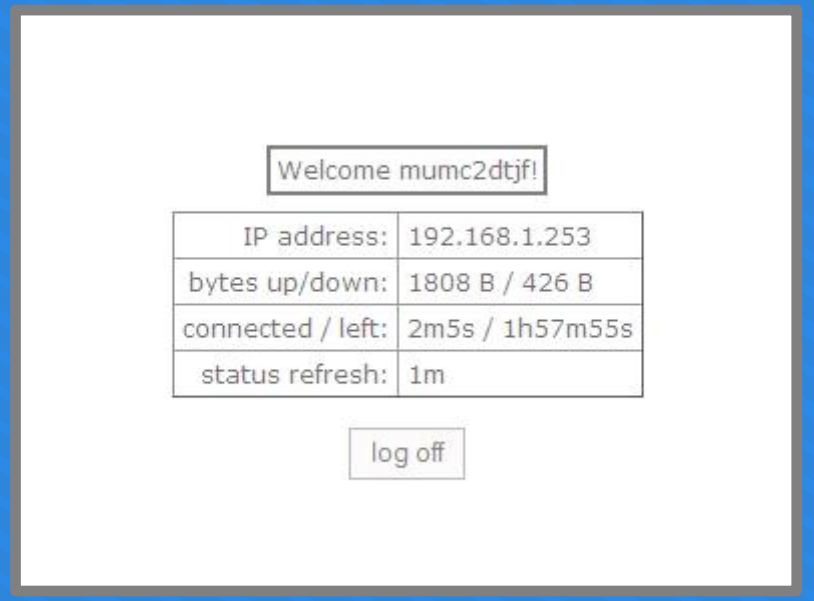
# Testing!!




Let's try to login with one of user from vouchers

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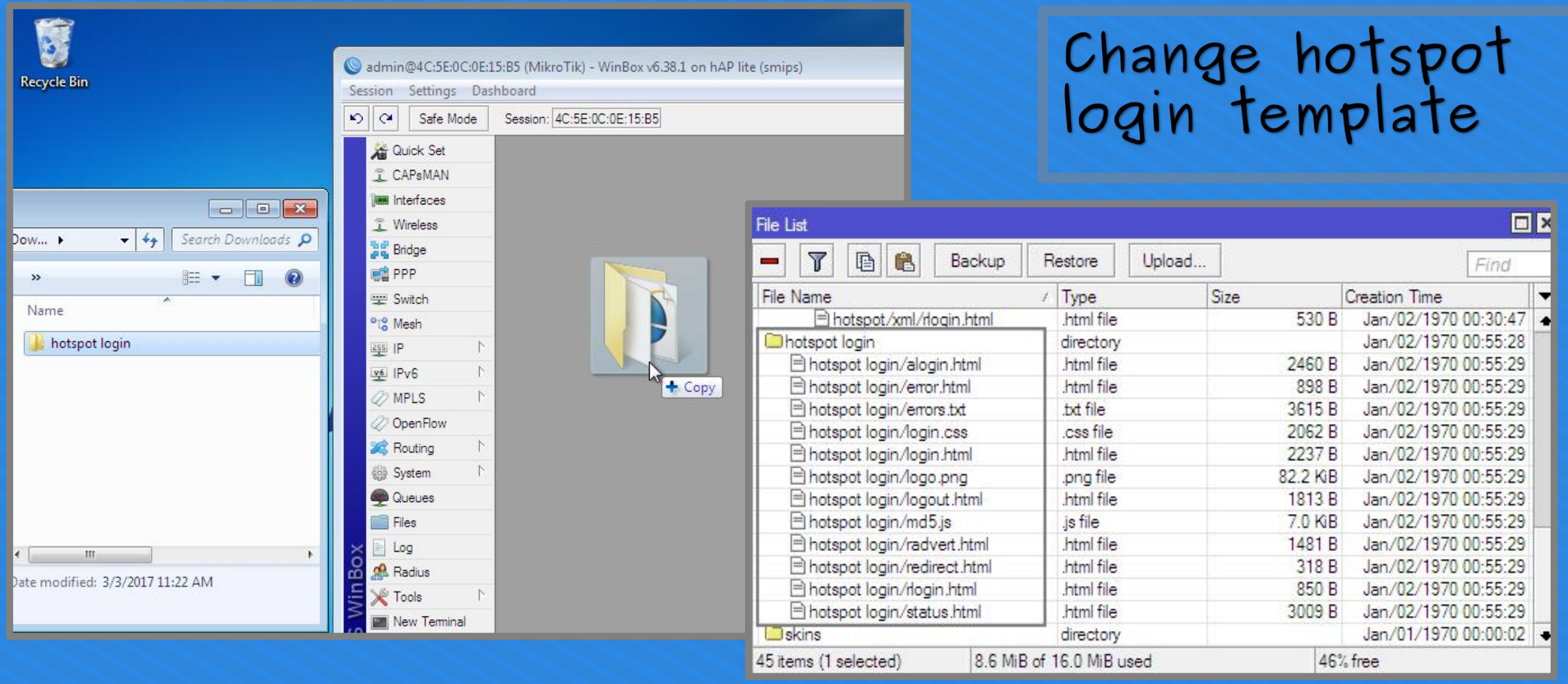
# Configuration Again!!

Change hotspot login template

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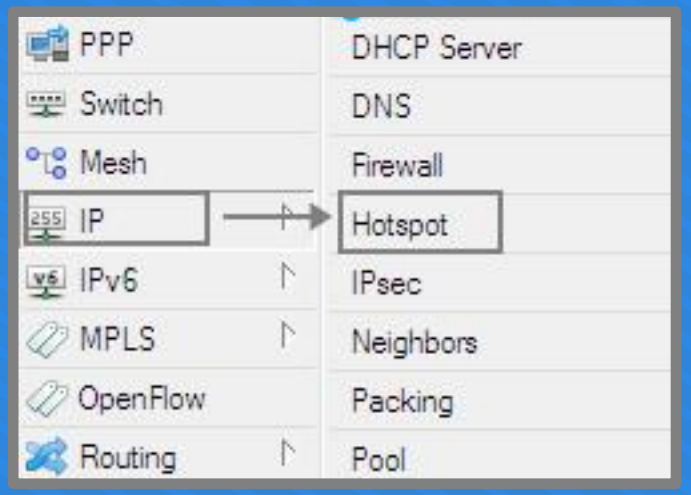
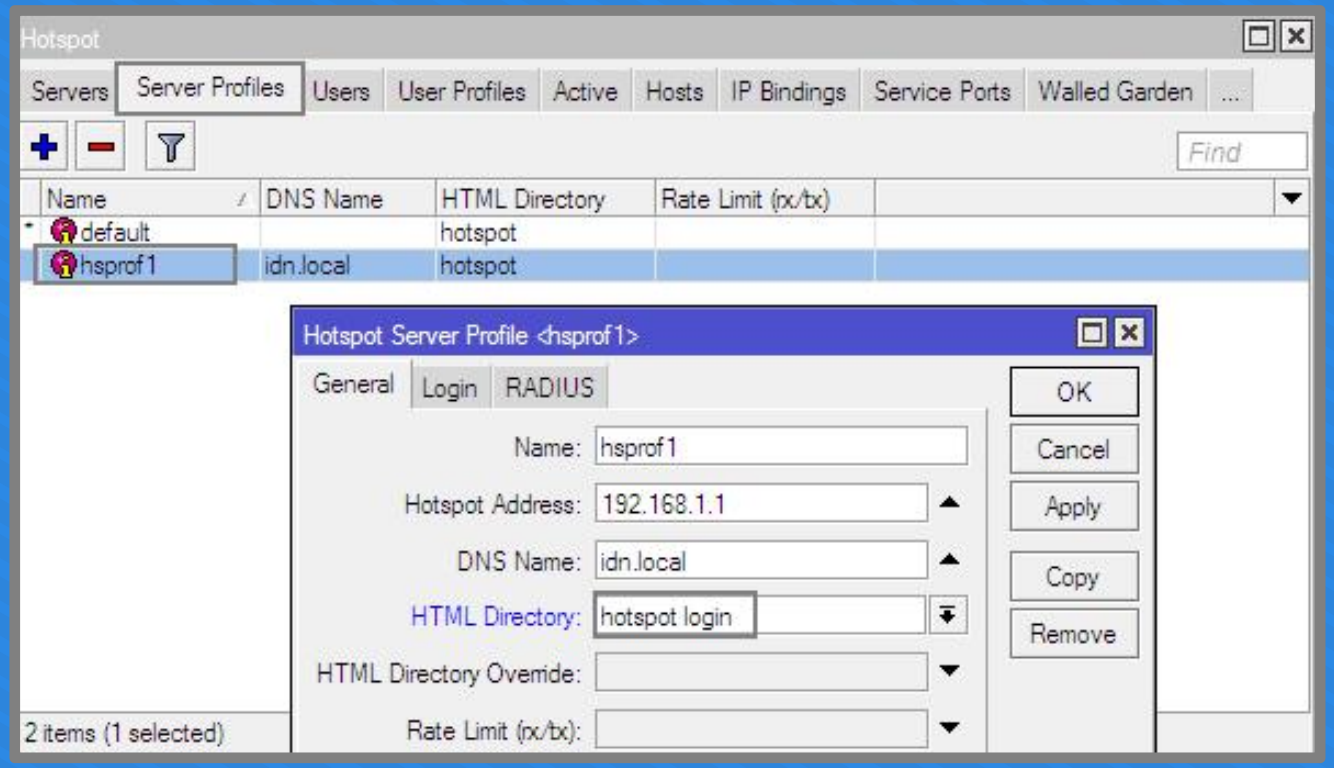
# Configuration Again!!




Change hotspot login template

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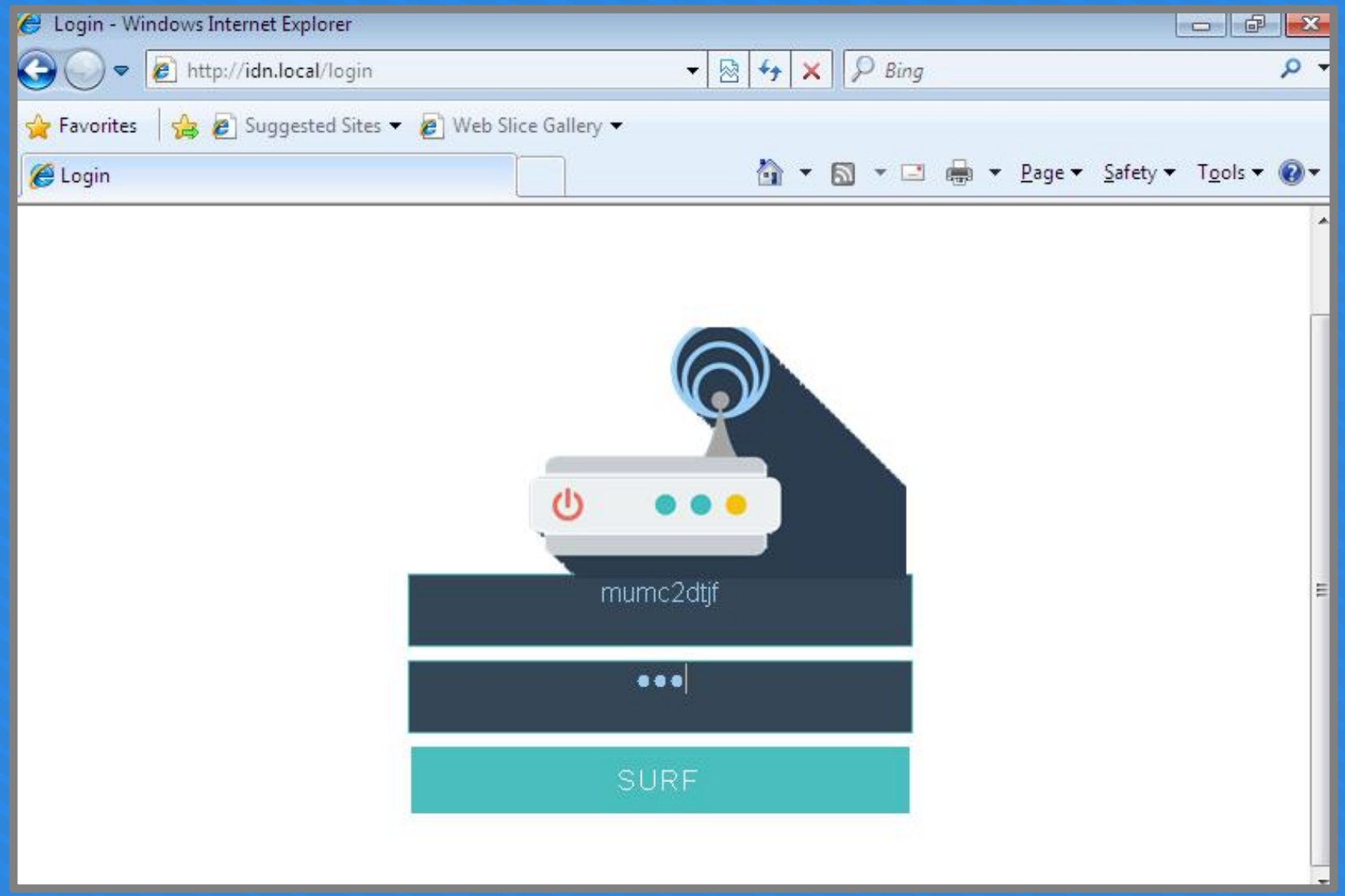
# Let's Try Again!




Login page is chaged by new template!!

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# Thank You!

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