

Laboratoare Administarea Retelelor de Calculatoare

Autentificarea serviciilor prin
Radius.

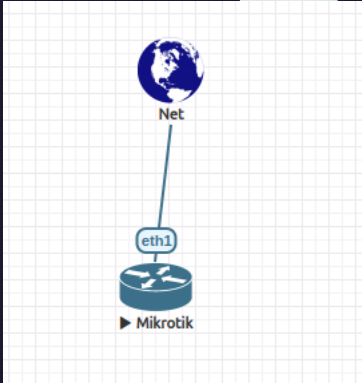


Setup Radius

Incepem de la o topologie de baza in care avem un router conectat la internet. Dupa ce ii setam va trebui sa luam arhiva cu pachete extra pentru varianta de CHR pe care o avem instalata.

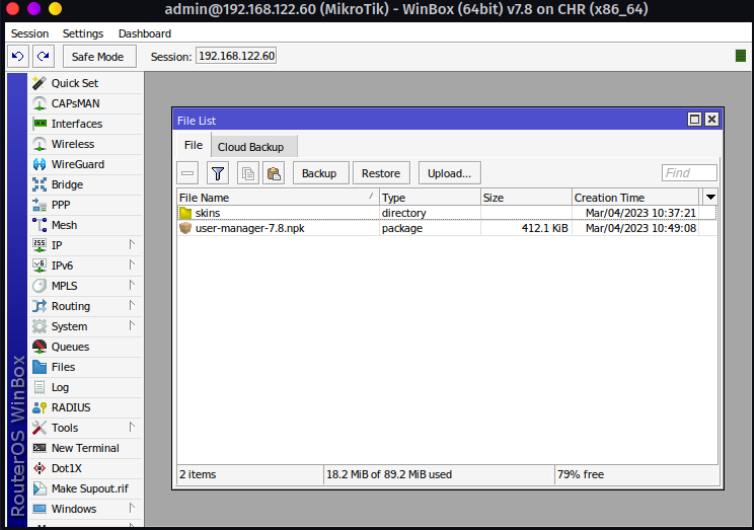
In arhiva extragem user manager pe care il vom pune mai tarziu in router pentru a instala serverul de radius.

Deschidem winbox si ne conectam la router dupa care deschide file manager si tragem pachetul dezarhivat pentru a-l copia in router si dam restart.



Cloud Hosted Router

	6.48.6 Long-term	6.49.7 Stable	7.8 Stable	7.8rc3 Testing
Images	vmdk, vhdx, vdi, ova, img			
Main package				
VHDX image				
VMDK image				
VDI image				
VirtualPC image				
OVA template				
Raw disk image				
Extra packages				
The Dude client				
Changelog				
Checksum	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



all_packages-x86-7.8.zip — Ark

Name	Original Size	Compressed Size	Mode	CRC checksum	Method
calea-7.8.npk	24,1 KiB	17,1 KiB	-rw-r--r--	466CFF5F	Deflate
container-7.8.npk	64,1 KiB	57,5 KiB	-rw-r--r--	2AD63DE0	Deflate
dude-7.8.npk	1,4 MiB	1,4 MiB	-rw-r--r--	EB652DFF	Deflate
gps-7.8.npk	24,1 KiB	17,4 KiB	-rw-r--r--	61913D45	Deflate
iot-7.8.npk	52,1 KiB	46,6 KiB	-rw-r--r--	ACA5FB82	Deflate
lora-7.8.npk	244,1 KiB	238,2 KiB	-rw-r--r--	C7F49A56	Deflate
rose-storage-7.8.npk	3,9 MiB	3,9 MiB	-rw-r--r--	6A4417A9	Deflate
tr069-client-7.8.npk	148,1 KiB	142,8 KiB	-rw-r--r--	432B7D33	Deflate
ups-7.8.npk	40,1 KiB	32,9 KiB	-rw-r--r--	BDCB3FD0	Deflate
user-manager-7.8.npk	412,1 KiB	405,9 KiB	-rw-r--r--	1B1FE6DA	Deflate
wifiwave2-7.8.npk	264,1 KiB	257,0 KiB	-rw-r--r--	BCBB696E	Deflate

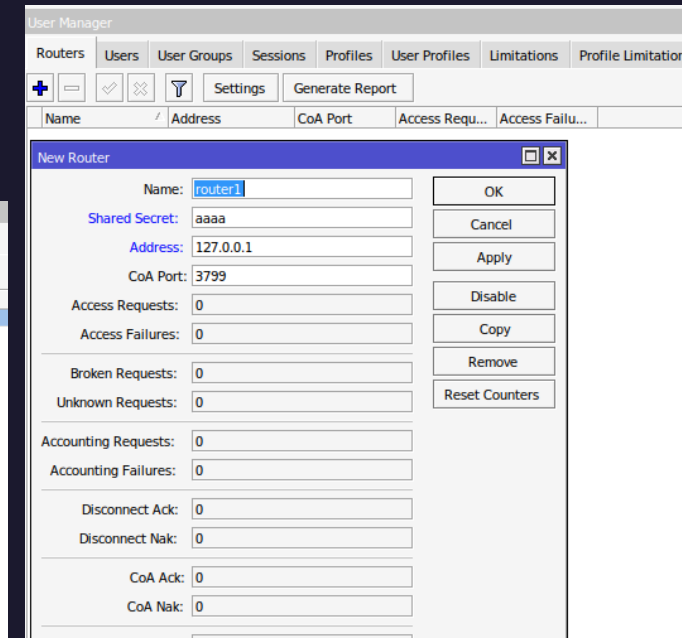
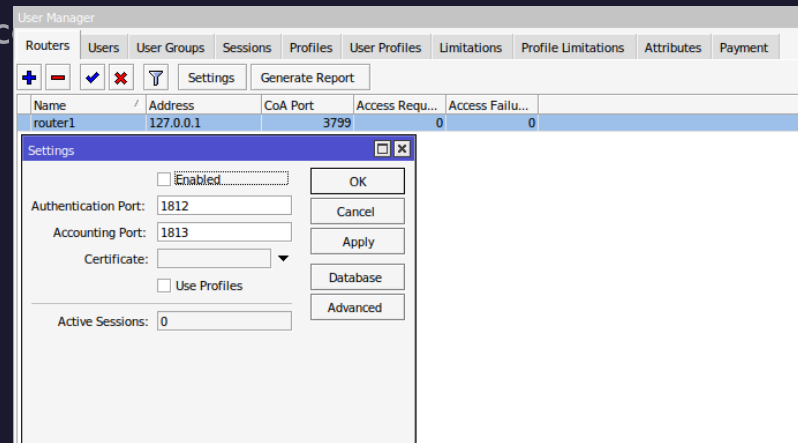
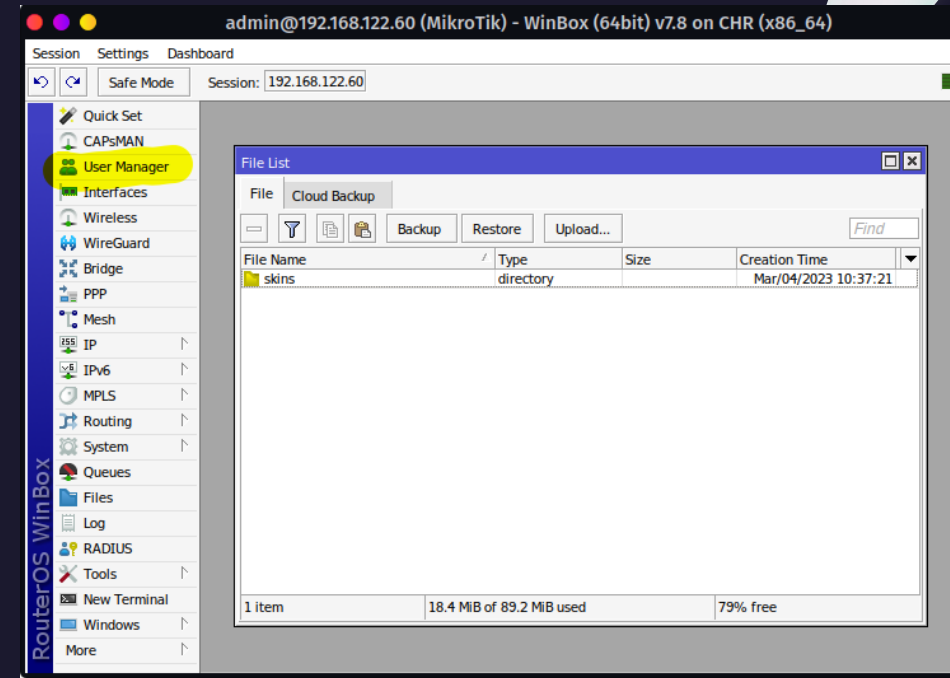
Setup Radius

Dupa reset o sa avem o noua intrare in meniul din stanga numita User Manager acesta fiind asemanator cu Active Directory (AD sau LDAP).

Aici vedem mai multe taburi si vom incepe cu Routers, acesta reprezinta routerele sau serverele/serviciile care pot accesa serverul de radius.

Incepem prin a configura acesul lui la el prin ip-ul de localhost (127.0.0.1) si setand un secret (se recomanda un string random).

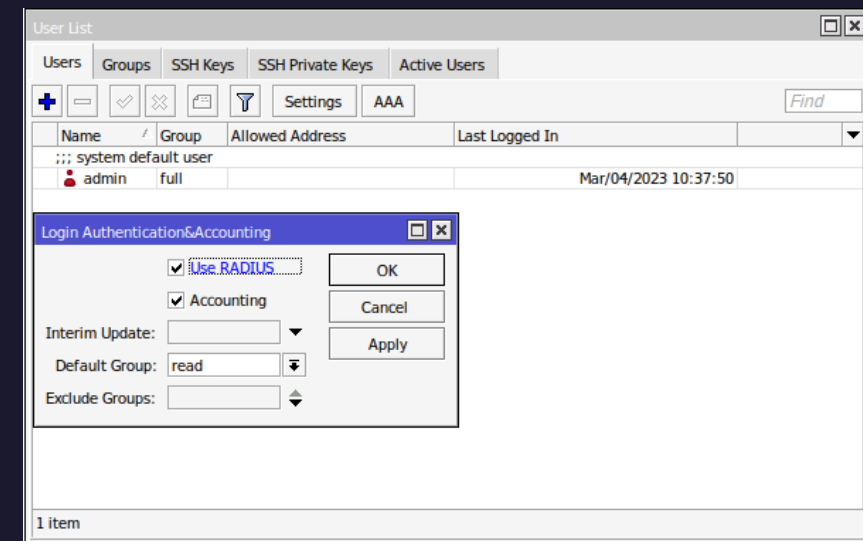
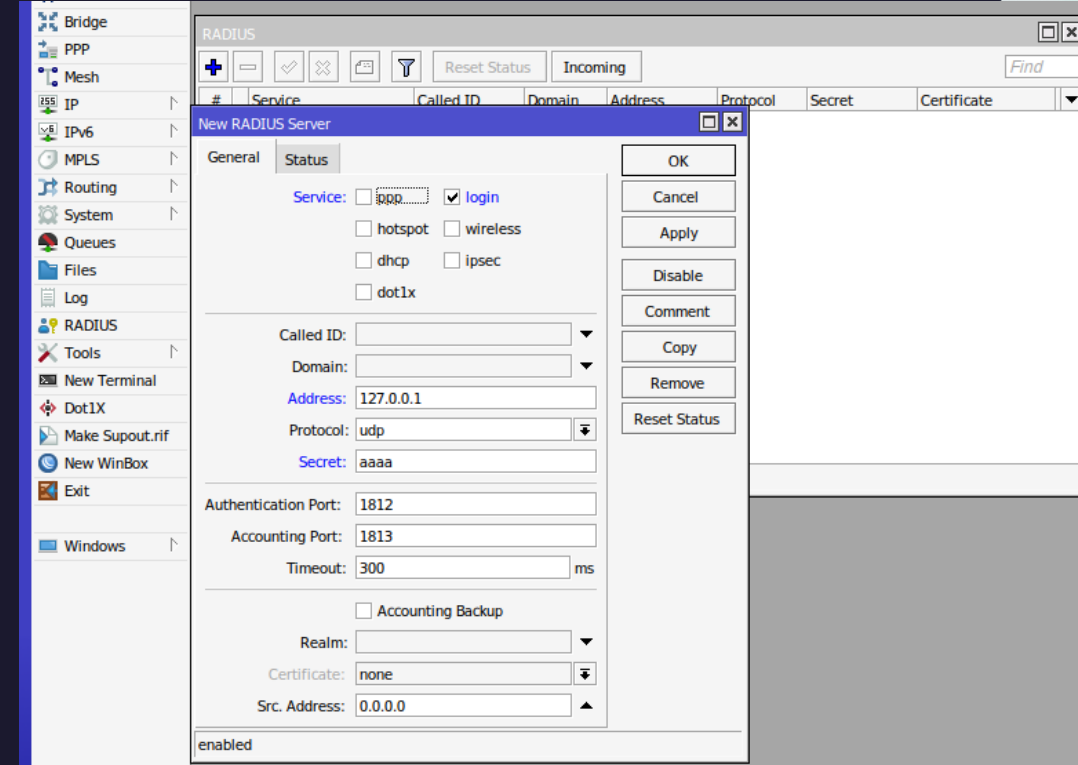
Tot aici intram in buntonul Settings si il pornim (rec productie si activarea certificatului).



Activarea Serverului Radius.

Intra in meniul Radius si adaugam un server nou.

Ne intoarcem la users si apasam pe butonul “AAA” iar in feastra nou deschisa bifam “Use RADIUS”.

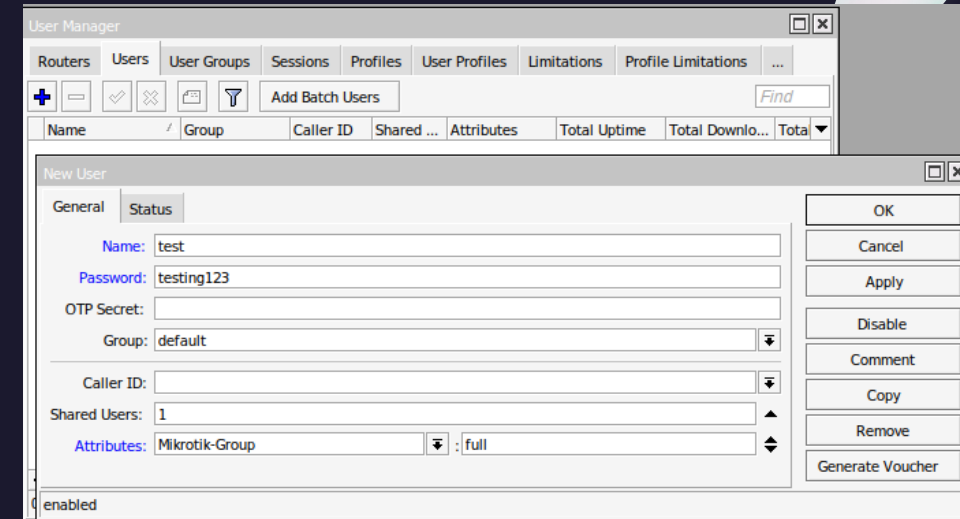


Crearea utilizatorilor

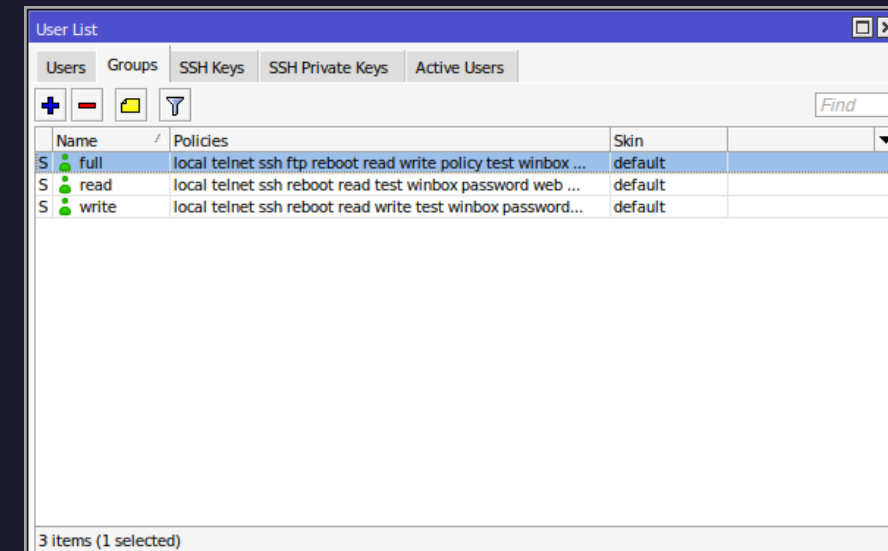
Vom face un utilizator care sa aiba dreptul de a administra routerul.

Setand username, password si atributul care ii permite autentificarea si permisiunile.

Pentru a vedea grupurile putem merge in System->Users->Groups



The screenshot shows the 'New User' dialog box in the User Manager application. The 'General' tab is active, showing fields for Name (test), Password (testing123), OTP Secret, Group (default), Caller ID, Shared Users (1), and Attributes (Mikrotik-Group). The 'Status' tab is also visible. Buttons on the right include OK, Cancel, Apply, Disable, Comment, Copy, Remove, and Generate Voucher. The 'enabled' checkbox is checked.



The screenshot shows the 'User List' window with the 'Users' tab selected. The table below lists three users: 'full', 'read', and 'write'. The 'full' user is selected. The table columns are Name, Policies, and Skin.

Name	Policies	Skin
S full	local telnet ssh ftp reboot read write policy test winbox ...	default
S read	local telnet ssh reboot read test winbox password web ...	default
S write	local telnet ssh reboot read write test winbox password...	default

3 items (1 selected)

Testarea Autentificarii

Pornim o noua instanta de Winbox si vom incerca sa ne conectam cu userul creat in RADIUS.

Dupa autentificare putem intra in User manager si verifica activitatea utilizatorului.

