PPPoE Server Setup

If you are running your own wireless ISP, PPPoE is the preferred method of getting your clients to dial up to your service. Making use of PPPoE allows you to get rid of static client IP addresses, make use of usernames and passwords, and enforce basic bandwidth management.

The first configuration that needs to be done is for us to create an 'IP Pool' which is a range of IP addresses for the MikroTik router to hand out to clients when they sign in with their usernames and passwords. The IP range of the IP Pool can be anything that you choose.

Sadmin@192.168.88	.1 (MikroTik) - WinBox v!	5.4 on RB600 (powerpc))				- • •
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Bridge							
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Mesh			Pools Used Add	dresses			
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MPLS D	Accounting		Name	∠ Addresses		Next Pool	•
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System D	DHCP Client						
Queues	DHCP Relay		New IP To	I			
Files	DHCP Server		Name	: PPPoE Pool		ОК	
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New Terminal	IPsec					Сору	
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ute	Traffic Flow						
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	Web Proxy						

Once you have the IP Pool done, we can proceed to creating the PPPoE server. Once you have a new PPPoE server creation window open, simply choose the Interface of the MikroTik router that you would like to act as the PPPoE server, in this example I have chosen the wlan1 card.

Sadmin@192.168.88	1 (MikroTik) - WinBox v5.4 on RB600 (powerpc)
Safe Mode	Ilide Passwords 🔳 💼
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MPLS P	
System	Sanina / Interfana Max MTU Max MRU MRRU Default Profile Authentication
Queues	
Files	New PPPoE Service
Log	Service Name: Internet OK
Radius	Interface: Van1 T Cancel
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New Terminal	Max MRU: 1480
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We can now create a profile for the PPPoE server to use. This profile is where we will do some basic bandwidth management. This is also where we will specify the use of the IP Pool we created earlier. You can create as many Profiles as you like, all with different bandwidth speed restrictions, and simply apply them to the relevant users.



Safe Mode	✓ Hide Passwords 📕 🛅
Interfaces Wireless Bridge PPP Mesh IP MPLS Routing Name Local Address General Protocks Interface Name Local Address General Protocks Log Radius Tools New Terminal Make Support.rif Manual	s Find V Cancel Apply Comment Copy Remove Remove
Exit 2 items	

Once the Profile has been created we can proceed to creating some users. This is done in the 'Secrets' tab. Simply choose the Username and Password that you would like to dedicate to your client, select the profile that was created and you're ready to go. You may create as many users as you wish. Your client can now dial up to this PPPoE server by creating a PPPoE client. If you are unsure how to do this, please see the tutorial on creating PPPoE clients.

Sadmin@192.168.88.1	(MikroTik) - WinBox v5.4 on RB600 (powerpc)	- • •
Safe Mode		🗹 Hide Passwords 📕 🛅
Interfaces		
Wireless		
Bridge		
PPP		
Mesh		
IP D	PPP	
MPLS D	Interface PPPoE Servers Secrets Profiles Active Connections	
Routing D	+ = 🖉 🕅 🍸 PPP Authentication & Accounting	Find
System D	Name / Password Service Caller ID Profile Local Address Remote Address	•
Queues		
Files	New PPP Sector	
Log	Name: Bobl	
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New Terminal	Service: any Apply	
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Ite	Limit Bytes Out:	
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