

## Step 1 : Setting up TFTP server :

Under / IP / TFTP / select **Add New**

The screenshot shows the Mikrotik WinBox configuration window for the TFTP service. The left sidebar lists various services, with 'IP' expanded and 'TFTP' selected. The main configuration area includes:

- Buttons: OK, Cancel, Apply
- Enabled:
- IP Addresses: dropdown menu
- Req. Filename: text input field
- Real Filename: text input field
- Allow:
- Read Only:
- Hits: 0

Leave it as it is and click **Apply** and then **OK**. This will start up TFTP server.

## Step 2 : CM configuration file upload

Under / Files / , upload CM configuration file, by using **Browse** button.

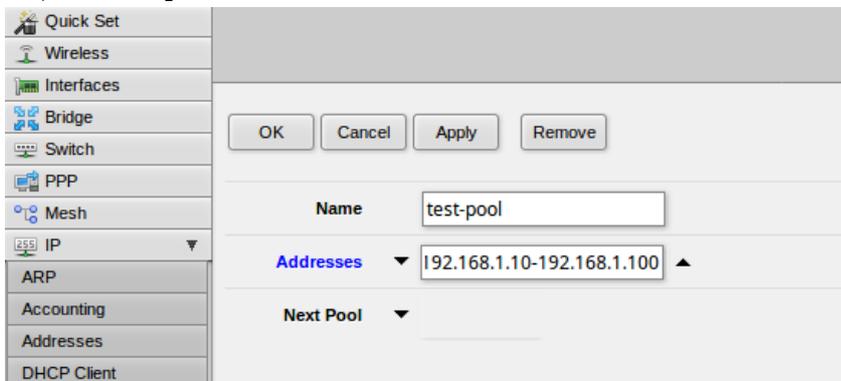
The screenshot shows the Mikrotik WinBox configuration window for the Files service. The left sidebar lists various services, with 'Files' selected. The main configuration area includes:

- Buttons: Backup, Upload, Browse...
- Text: No file selected.
- 5 items

	▲ File Name	Type	Size	Creation Time
-	auto-before-reset.backup	backup	21.7 KiB	Jan/02/1970 00:10:29
-	autosupout.rif	.rif file	316.8 KiB	Jan/02/1970 00:17:06
-	max_speed_NOBPI.cfg	.cfg file	800 B	Jan/02/1970 03:53:01
-	pub	directory		Nov/22/2013 16:08:57
-	skins	directory		Jan/01/1970 00:00:36

**Step 3 : Setting up DHCP, to provide information about TFTP server and configuration file for CM.**

**3a )** Under option / IP / Pool / select **Add New** and fill in Name and Address fields.



The screenshot shows a configuration window for a DHCP pool. The left sidebar lists various network services, with 'IP' selected. The main area contains the following fields:

- Name:** test-pool
- Addresses:** 192.168.1.10-192.168.1.100
- Next Pool:** (empty)

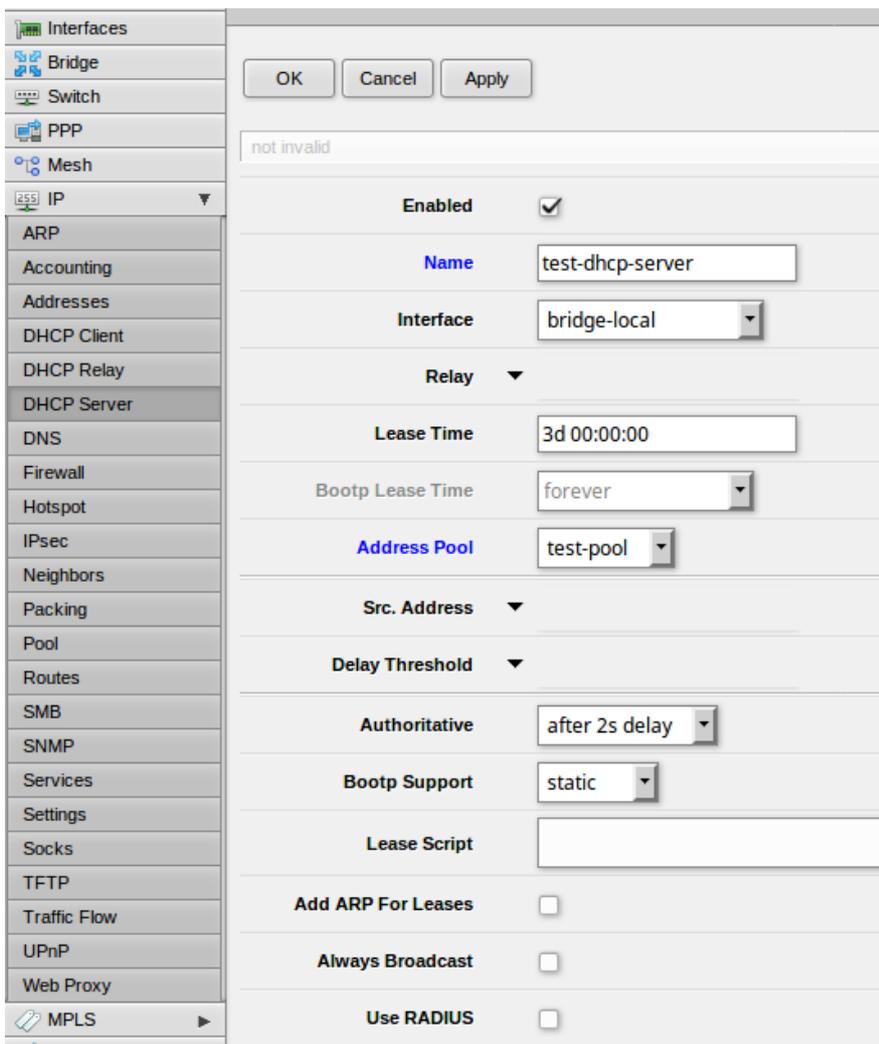
Buttons at the top include OK, Cancel, Apply, and Remove.

*Name :* name of the IP address pool

*Addresses :* IP addresses that should be provided by DHCP service.

Click **Apply** and than **OK**

**3b )** Under option / IP / DHCP Server / DHCP select **Add New** and fill in Name, Interface and Address Pool fields.



The screenshot shows a configuration window for a DHCP server. The left sidebar lists various network services, with 'IP' selected and 'DHCP Server' highlighted. The main area contains the following fields:

- Enabled:**
- Name:** test-dhcp-server
- Interface:** bridge-local
- Relay:** (empty)
- Lease Time:** 3d 00:00:00
- Bootp Lease Time:** forever
- Address Pool:** test-pool
- Src. Address:** (empty)
- Delay Threshold:** (empty)
- Authoritative:** after 2s delay
- Bootp Support:** static
- Lease Script:** (empty)
- Add ARP For Leases:**
- Always Broadcast:**
- Use RADIUS:**

Buttons at the top include OK, Cancel, and Apply.

*Name* : Name of the DHCP Server.

*Interface* : Interface where DHCP service should be provided.

*Address Pool* : select address pool, created in step 3a).

Click **Apply** and than **OK**

**3c )** Under option / IP / DHCP Server / Network, select **Add New** and fill in Address, Gateway, DNS Servers (optional), Next Server and Boot File Name

Bridge	OK	Cancel	Apply
Switch	Address	192.168.1.0/24	
PPP	Gateway	192.168.1.1	▲
Mesh	Netmask		▼
IP	DNS Servers	8.8.8.8	▲
ARP	Domain		▼
Accounting	WINS Servers		▼
Addresses	NTP Servers		▼
DHCP Client	Next Server	192.168.1.1	▲
DHCP Relay	Boot File Name	max_speed_NOBPI.cfg	▲
DHCP Server	DHCP Options		▼
DNS	DHCP Option Set		▼
Firewall	Comment		
Hotspot			
IPsec			
Neighbors			
Packing			
Pool			
Routes			
SMB			
SNMP			
Services			
Settings			
Socks			

*Address* : Network IP address

*Gateway* : Gateway IP address that will be provided by DHCP server

*DNS servers* : DNS server IP addresses

*Next Server* : IP address of the TFTP server that will be provided to the CM via DHCP ( in this case IP address of Mikrotik Interface )

*Boot File Name* : CM configuration file name ( uploaded in step 2 ). This file name will be requested by CM via TFTP.