



Sistemas informáticos

Tarea 5. UT6. Configuración
router

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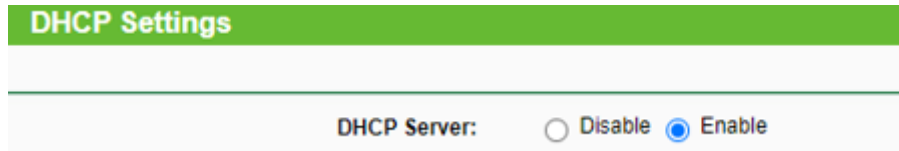
Ejercicio 13

Ejercicio 26

Ejercicio 1

Realizar las siguientes configuraciones en el router facilitado.

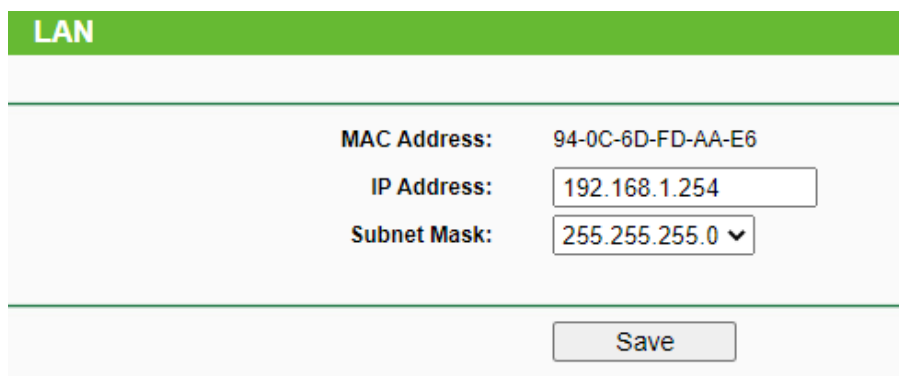
1. CON DHCP ACTIVO



DHCP Settings

DHCP Server: ☐ Disable ☒ Enable

2. CAMBIAR IP ROUTER A IP TERMINADA EN .254



LAN

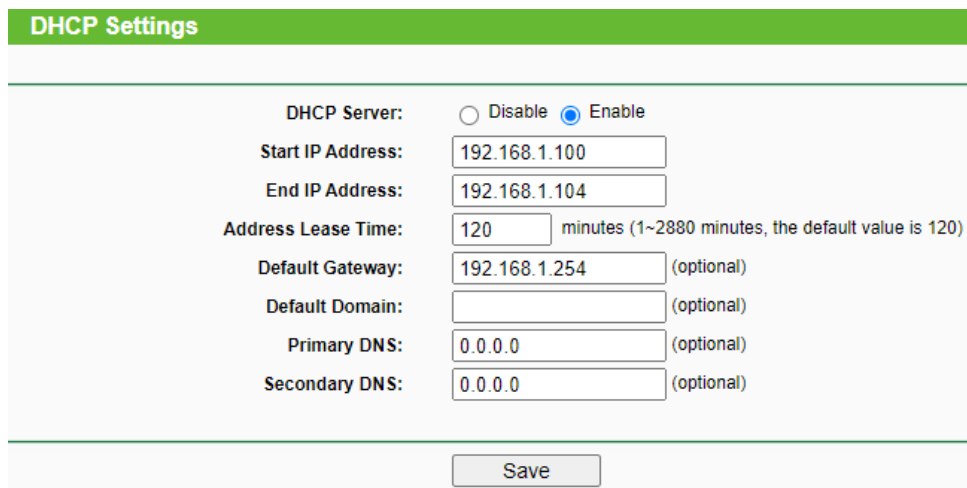
MAC Address: 94-0C-6D-FD-AA-E6

IP Address: 192.168.1.254

Subnet Mask: 255.255.255.0 ▼

Save

3. MODIFICAR DHCP PARA QUE DE 5 DIRECCIONES IP EMPEZANDO POR LA 100



DHCP Settings

DHCP Server: ☐ Disable ☒ Enable

Start IP Address: 192.168.1.100

End IP Address: 192.168.1.104

Address Lease Time: 120 minutes (1~2880 minutes, the default value is 120)

Default Gateway: 192.168.1.254 (optional)

Default Domain: (optional)

Primary DNS: 0.0.0.0 (optional)

Secondary DNS: 0.0.0.0 (optional)

Save

4. COMPROBAR QUE FUNCIONA

```
Sufijo DNS específico para la conexión. . : Home
Vínculo: dirección IPv6 local. . . : fe80::f027:67c7:721:6611%6
Dirección IPv4. . . . . : 192.168.1.100
Máscara de subred . . . . . : 255.255.255.0
Puerta de enlace predeterminada . . . . . : 192.168.1.254
```

5. MODIFICA LA RED WIFI Y PON NOMBRE NUEVO.

Wireless Settings

SSID:

Region:

Warning:

Channel:

Mode:

Channel Width:

Max Tx Rate:

NombreNuevo

Spain

Ensure you select a correct country to conform local law. Incorrect settings may cause interference.

Auto

11bgn mixed

Automatic

300Mbps

☒ Enable Wireless Router Radio

☒ Enable SSID Broadcast

☐ Enable WDS

Save

6. ESTABLECE SEGURIDAD WPA2 (SI SE PUEDE)

- Status
- Quick Setup
- QSS
- Network
- Wireless
- Wireless Settings
- Wireless Security
- Wireless MAC Filtering
- Wireless Advanced
- Wireless Statistics
- DHCP
- Forwarding
- Security
- Parental Control
- Access Control
- Static Routing
- Bandwidth Control
- IP & MAC Binding
- Dynamic DNS
- System Tools

☐ Disable Security

☐ WEP

Type: Automatic

WEP Key Format: Hexadecimal

Key Selected	WEP Key	Key Type
Key 1: <input checked="" type="radio"/>		Disabled
Key 2: <input type="radio"/>		Disabled
Key 3: <input type="radio"/>		Disabled
Key 4: <input type="radio"/>		Disabled

☐ WPA/WPA2

Version: WPA2

Encryption: Automatic

Radius Server IP: 192.168.1.254

Radius Port: 1812 (1-65535, 0 stands for default port 1812)

Radius Password: 12345

Group Key Update Period: 0 (in second, minimum is 30, 0 means no update)

☒ WPA-PSK/WPA2-PSK

Version: WPA2-PSK

Encryption: Automatic

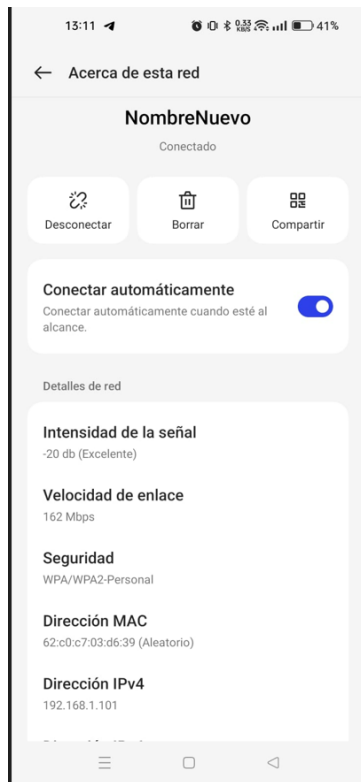
PSK Password: 12345678

(You can enter ASCII characters between 8 and 63 or Hexadecimal characters between 8 and 64.)

Group Key Update Period: 0 (in second, minimum is 30, 0 means no update)

Save

7. COMPRUEBA CON EL MOVIL QUE CONECTAS A LA RED WIFI

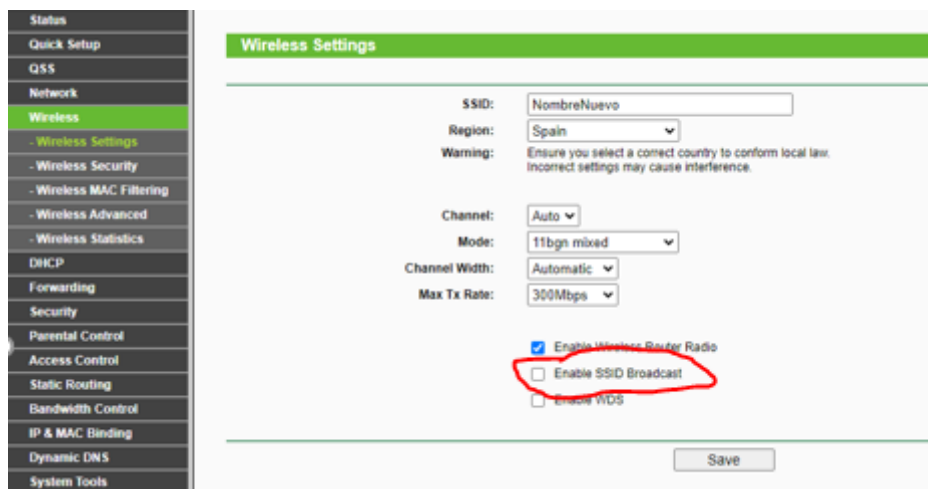


8. COMPRUEBA QUE EL MOVIL HA COGIDO IP DEL RANGO

Dirección IPv4
192.168.1.101

Sí coge la IP del rango, ya que está utilizando la 192.168.1.101

9. OCULTA EL NOMBRE DE LA RED WIFI



10. DESCONECTA MOVIL Y VUELVE A CONECTAR



11. CONFIGURA PARA QUE DE AL MOVIL SIEMPRE LA IP ACABADA EN 104

Status	<h3>Add or Modify an Address Reservation Entry</h3> <p>MAC Address: <input type="text" value="7A-E4-74-7A-DD-9A"/></p> <p>Reserved IP Address: <input type="text" value="192.168.1.104"/></p> <p>Status: <input type="text" value="Enabled"/></p> <p><input type="button" value="Save"/> <input type="button" value="Back"/></p>
Quick Setup	
QSS	
Network	
Wireless	
DHCP	
- DHCP Settings	
- DHCP Clients List	
- Address Reservation	
Forwarding	
Security	
Parental Control	
Access Control	
Static Routing	
Bandwidth Control	
IP & MAC Binding	
Dynamic DNS	
System Tools	

Ejercicio 2

1. DESACTIVA EL DHCP

Status	<h3>DHCP Settings</h3> <p>DHCP Server: <input checked="" type="radio"/> Disable <input type="radio"/> Enable</p> <p>Start IP Address: <input type="text" value="192.168.1.100"/></p> <p>End IP Address: <input type="text" value="192.168.1.104"/></p> <p>Address Lease Time: <input type="text" value="120"/> minutes (1-2880 minutes, the default value is 120)</p> <p>Default Gateway: <input type="text" value="192.168.1.254"/> (optional)</p> <p>Default Domain: <input type="text"/> (optional)</p> <p>Primary DNS: <input type="text" value="0.0.0.0"/> (optional)</p> <p>Secondary DNS: <input type="text" value="0.0.0.0"/> (optional)</p> <p><input type="button" value="Save"/></p>
Quick Setup	
QSS	
Network	
Wireless	
DHCP	
- DHCP Settings	
- DHCP Clients List	
- Address Reservation	
Forwarding	
Security	
Parental Control	
Access Control	
Static Routing	
Bandwidth Control	
IP & MAC Binding	
Dynamic DNS	
System Tools	

2. CAMBIA LA IP DEL ROUTER A LA IP 172.26.0.1

The screenshot shows the router's web interface. On the left is a sidebar menu with options: Status, Quick Setup, QSS, Network, Wireless, DHCP, Forwarding, Security, Parental Control, Access Control, Static Routing, Bandwidth Control, and IP & MAC Binding. The main content area is titled 'Status' and has a green header. Below the header, it shows 'Firmware Version: 3.9.18 Build 100104 Rel.36350n' and 'Hardware Version: WR940N v1/WR941N v4 00000000'. A section titled 'LAN' shows the following configuration: 'MAC Address: 94-0C-6D-FD-AA-E6', 'IP Address: 172.26.0.1', and 'Subnet Mask: 255.255.255.0'.

3. CONECTA AHORA EL MOVIL A LA RED.

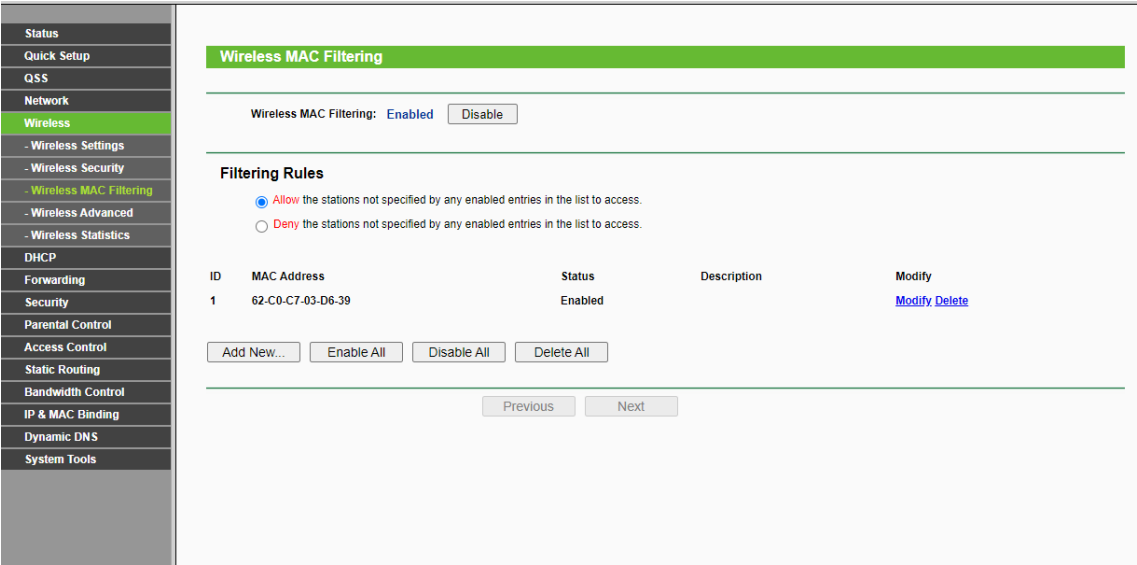
The screenshot shows the router's web interface with the 'Wireless Statistics' page selected. The sidebar menu is on the left, with 'Wireless' highlighted. The main content area has a green header 'Wireless Statistics'. It shows 'Current Connected Wireless Stations numbers: 2' with a 'Refresh' button. Below this is a table with the following data:

ID	MAC Address	Current Status	Received Packets	Sent Packets
1	62-C0-C7-03-D6-39	WPA2-PSK	6418	404
2	7A-E4-74-7A-DD-9A	WPA2-PSK	161	1

At the bottom of the table are 'Previous' and 'Next' buttons.

The image contains two screenshots from an iPhone. The left screenshot shows the 'Wi-Fi' settings page for a network named 'NombreNuevo'. It has a toggle for 'Dirección Wi-Fi privada' (Private Wi-Fi Address) turned on, showing the address '7A:E4:74:7A:DD:9A'. Below this is a toggle for 'Limitar rastreo de dirección IP' (Limit IP address tracking) also turned on. Under 'DIRECCIÓN IPV4', the 'Configurar IP' (Configure IP) is set to 'Manual', showing 'Dirección IP' (IP Address) as 172.26.0.4, 'Máscara de subred' (Subnet mask) as 255.255.255.0, and 'Router' as 172.26.0.1. The 'DNS' section shows 'Configurar DNS' (Configure DNS) set to 'Automático' (Automatic). The 'PROXY HTTP' section shows 'Configurar proxy' (Configure proxy) set to 'Desactivado' (Disabled). The right screenshot shows the 'Acerca de esta red' (About this network) page for 'NombreNuevo'. It states 'No hay conexión de datos' (No data connection). There are buttons for 'Desconectar' (Disconnect), 'Borrar' (Forget), and 'Compartir' (Share). Below these is a toggle for 'Conectar automáticamente' (Connect automatically) which is turned on. The 'Detalles de red' (Network details) section shows: 'Intensidad de la señal' (Signal strength) as -25 db (Excelente), 'Velocidad de enlace' (Link speed) as 27 Mbps, 'Seguridad' (Security) as WPA/WPA2-Personal, 'Dirección MAC' (MAC Address) as 62:c0:c7:03:d6:39 (Aleatorio), and 'Dirección IPv4' (IPv4 Address) as 172.26.0.3.

4. BUSCA LA OPCION FILTRO MAC Y CONFIGURA PARA QUE UN MOVIL PUEDA CONECTAR Y OTRO QUE NO PUEDA CONECTAR



5. CONFIGURA EL REPETIDOR WIFI PARA QUE AMPLIFIQUE LA RED COMO SSID_EX

[Start](#) [Choose Region](#) [Wireless Settings](#) [Review Settings](#)

The **Quick Setup** configuration is finished.
Please double check the settings below. If anything is wrong, please click "Back" to re-configure.

Wireless Setting

Operation Mode:	Universal Mode
Main Router/AP WiFi Network Name(SSID):	NombreNuevo
Main Router MAC Address:	94-0C-6D-FD-AA-E6
Range Extender WiFi Network Name(SSID):	NombreNuevo_EXT
WiFi Security Option:	Most Secure(WPA/WPA2-PSK)
WiFi PassWord:	12345678

Network Setting

Default Access:	http://tplinkrepeater.net
Login Username:	admin
Login Password:	admin

[Export Settings](#) [Back](#) [Finish](#)

