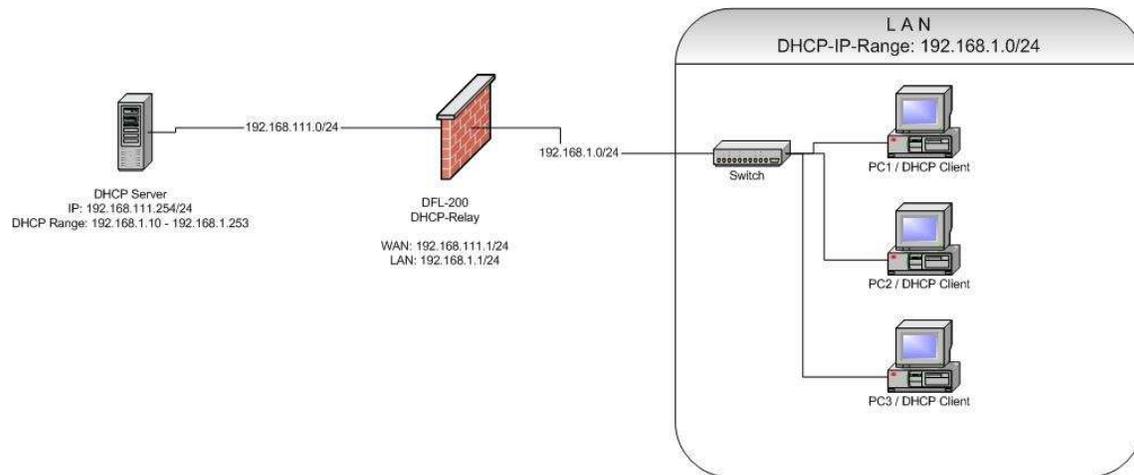


Konfiguration der DFL-200
zur Nutzung von
DHCP-Relay

Netzwerkplan:



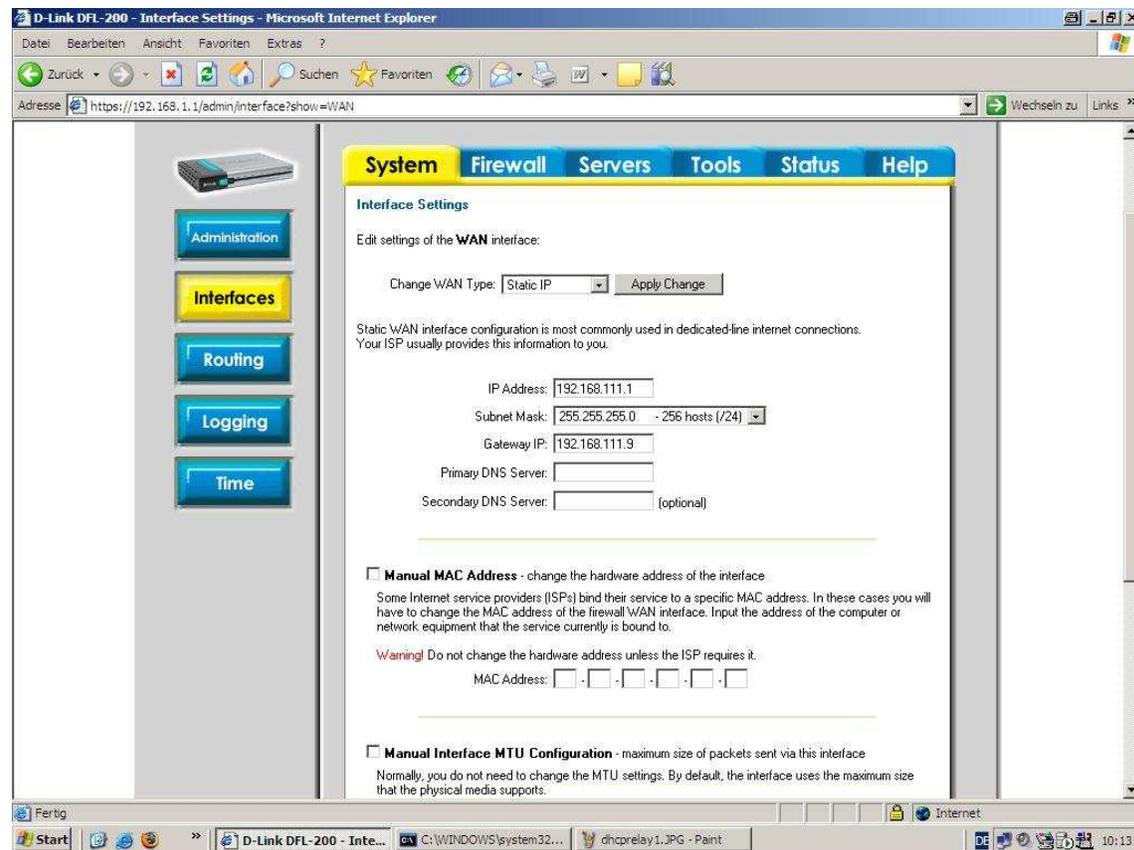
Der DHCP Server soll mit Hilfe der DFL-200 DHCP Requests der PC's im LAN Subnetz beantworten. Hierbei ist zu beachten, dass das lokale Subnet des DHCP Servers (192.168.111.0/24) nicht identisch mit der vom DHCP Server zu vergebende Range (192.168.1.10-192.168.1.253).

Datenfluss:

1. PC sendet DHCP Requests
2. Die DFL empfängt die DHCP Request
3. Die DFL stellt einen DHCP Requests an den DHCP Server
4. Der DHCP Server beantwortet die Anfrage der DFL
5. Die DFL gibt die Antwort an den PC weiter.

Konfiguration der Interfaces in der DFL-200:

WAN Interface:



The screenshot displays the web management interface for a D-Link DFL-200 router. The browser window is titled "D-Link DFL-200 - Interface Settings - Microsoft Internet Explorer" and shows the URL "https://192.168.1.1/admin/interface?show=WAN". The interface features a navigation menu on the left with options like Administration, Interfaces (highlighted), Routing, Logging, and Time. The main content area is titled "Interface Settings" and contains the following configuration options:

- Change WAN Type:** A dropdown menu is set to "Static IP", with an "Apply Change" button next to it.
- Static WAN interface configuration:** A note stating, "Static WAN interface configuration is most commonly used in dedicated-line internet connections. Your ISP usually provides this information to you."
- IP Address:** A text input field containing "192.168.111.1".
- Subnet Mask:** A text input field containing "255.255.255.0" and a dropdown menu set to "- 256 hosts (/24)".
- Gateway IP:** A text input field containing "192.168.111.9".
- Primary DNS Server:** An empty text input field.
- Secondary DNS Server:** An empty text input field with "(optional)" next to it.
- Manual MAC Address:** A checkbox that is currently unchecked. Below it is a warning: "Warning! Do not change the hardware address unless the ISP requires it." and a MAC address input field with six empty boxes separated by dashes.
- Manual Interface MTU Configuration:** A checkbox that is currently unchecked. Below it is a note: "Normally, you do not need to change the MTU settings. By default, the interface uses the maximum size that the physical media supports."

The Windows taskbar at the bottom shows the Start button, several icons, and the system tray with the time "10:13".

LAN Interface:

The screenshot shows the D-Link DFL-200 Network Security Firewall web interface. The browser window title is "D-Link DFL-200 - Interface Settings - Microsoft Internet Explorer". The address bar shows "https://192.168.1.1/admin/interface?show=LAN". The page features the D-Link logo and the product name "DFL-200 Network Security Firewall". A navigation menu includes "System", "Firewall", "Servers", "Tools", "Status", and "Help". The "System" tab is active, displaying "Interface Settings" for the LAN interface. The IP Address is set to 192.168.1.1 and the Subnet Mask is 255.255.255.0. There are "Apply", "Cancel", and "Help" buttons. A list of available interfaces includes LAN, WAN (Static), and DMZ, each with an "Edit" link.

D-Link
Building Networks for People

DFL-200
Network Security Firewall

System Firewall Servers Tools Status Help

Interface Settings

Edit settings of the LAN interface:

IP Address:

Subnet Mask: · 256 hosts (/24)

Available interfaces

LAN	[Edit]
WAN (Static)	[Edit]
DMZ	[Edit]

Konfiguration von DHCP Relay in der DFL-200

The screenshot shows the web management interface of a D-Link DFL-200 router. The browser window is titled "D-Link DFL-200 - DHCP Server / Relaying Settings - Microsoft Internet Explorer". The address bar shows the URL "https://192.168.1.1/admin/dhcpserver?edit=LAN". The interface has a navigation menu with tabs for "System", "Firewall", "Servers", "Tools", "Status", and "Help". The "Servers" tab is active, and the page title is "DHCP Server / Relaying Settings".

On the left side, there are two buttons: "DHCP Server" and "DNS Relay". The main content area is titled "DHCP Server / Relaying Settings" and contains the following text: "DHCP server / relaying settings for LAN interface:".

The settings are organized into three radio button options:

- No DHCP processing**
The unit will ignore DHCP requests heard on this interface.
- Use built-in DHCP Server:**
 - IP Span:
 - DNS Servers: (optional)
 - Use unit's own DNS relay addresses
 - WINS Servers: (optional)
 - (optional)
 - WINS servers are used for name resolution in windows networks:
 - Domain name: (optional)
 - Lease time:
 - The gateway will be set to the IP address of the receiving interface.
- Relay DHCP requests to other DHCP server:**
 - Server IP:
- Relay DHCP requests to other interface with DHCP server:**
 - Interface:

At the bottom of the interface, there are three status icons: a green checkmark, a yellow cross, and a red plus sign. The Windows taskbar at the bottom shows the Start button, several application icons, and the system tray with the time 10:12.

Als DHCP Server wurde „HaneWIN DHCP Server“.

