

# LIN: Konfiguracja SSH, DNS, DHCP i sieci na linuxie OpenSuse

## Instalacja niezbędnych pakietów

```
sudo zypper install openssh
sudo zypper install dhcp-server
sudo zypper install bind
```

## Konfiguracja SSH

```
sudo systemctl start sshd
sudo systemctl enable sshd
sudo systemctl status sshd

sudo firewall-cmd --add-service=ssh --permanent
sudo firewall-cmd --reload

ssh username@hostname_or_ip_address
```

## YaST konfiguracja Sieci

```
sudo YaST
```

## Konfiguracja DHCP

```
sudo nano /etc/dhcp/dhcpd.conf

default-lease-time 600;           # 10 minutes
max-lease-time 7200;             # 2 hours

option domain-name "example.com";
option domain-name-servers 192.168.1.116;
option broadcast-address 192.168.2.255;
option routers 192.168.2.1;
option subnet-mask 255.255.255.0;

subnet 192.168.2.0 netmask 255.255.255.0
{
    range 192.168.2.10 192.168.2.20;
    range 192.168.2.100 192.168.2.200;
```

```
}  
  
sudo nano /etc/sysconfig/dhcpd  
  
DHCPD_INTERFACE="eth0" # Replace with your actual interface name  
  
sudo systemctl start dhcpd  
sudo systemctl enable dhcpd  
sudo systemctl status dhcpd  
  
sudo firewall-cmd --add-service=dhcp --permanent  
sudo firewall-cmd --reload
```

## Konfiguracja DNS

```
sudo nano /etc/named.conf  
  
options {  
    directory "/var/lib/named";  
    allow-query { any; };  
    recursion no; # Set to 'yes' if you want to allow recursive queries  
};  
  
zone "example.com" {  
    type master;  
    file "example.com.zone";  
};  
  
sudo nano /var/lib/named/example.com.zone
```

```
$TTL 86400  
@ IN SOA ns.example.com. admin.example.com. (  
    2025092601 ; Serial  
    3600      ; Refresh  
    1800      ; Retry  
    604800    ; Expire  
    86400     ; Negative Cache TTL  
)  
  
; Name servers  
@ IN NS ns.example.com.  
  
; A records  
ns IN A 192.168.1.10 ; Replace with your server's IP  
@ IN A 192.168.1.10 ; Replace with your server's IP  
www IN A 192.168.1.10 ; Replace with your server's IP
```

```
sudo chown named:named /var/lib/named/example.com.zone
```

```
sudo systemctl start named
sudo systemctl enable named
sudo systemctl status named

sudo firewall-cmd --add-service=dns --permanent
sudo firewall-cmd --reload

dig @192.168.1.10 example.com
```