IPv6 na MikroTiku

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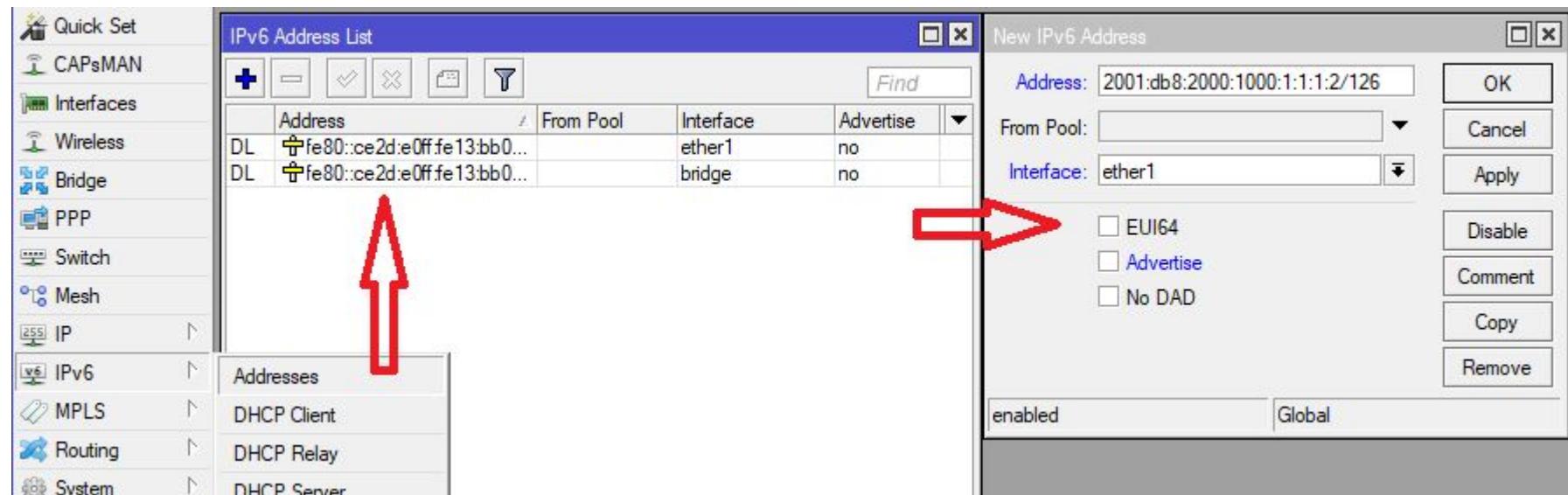
IPv6 - adresace

- rozčlenění sítě
- potřeby zákazníka
- potřeby ISP
    - /127 vs /126 vs /64

IPv6 - zavedení IP

/ipv6 address

add address=2001:db8:2000:1000:1:1:1:2/126 advertise=no interface=ether1

IPv6 - zavedení IP

	Address	From Pool	Interface	Advertise	
DL	fe80::ce2d:e0ff:fe13:bb0d/64		ether1	no	
DL	fe80::ce2d:e0ff:fe13:bb0e/64		bridge	no	
G	2001:db8:2000:1000:1:1:1:2/126		ether1	no	

IPv6 Address List

IPv6 - routing

- static
- BGP 4+
- OSPFv3

IPv6 - routing

/ipv6 route

add gateway=2001:db8:2000:1000:1:1:1:1

IPv6 - routing

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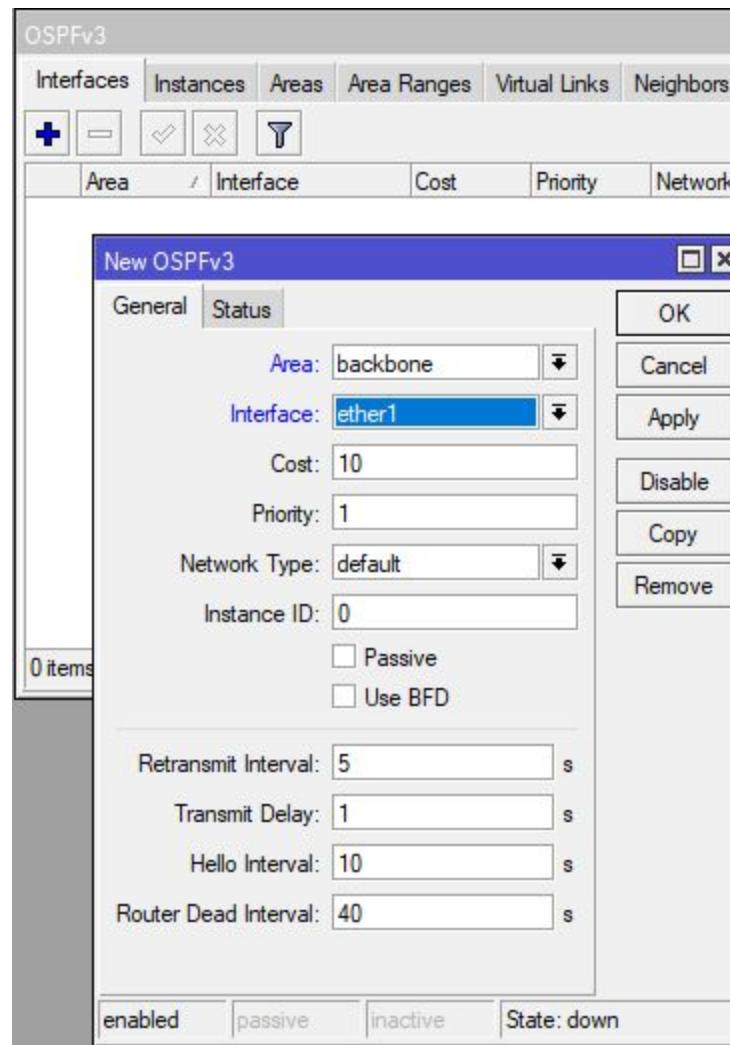
IPv6 - zavedení IP - vnitřní síť

/ipv6 address

add address=2001:db8:2000:2000::/64 interface=bridge advertise=yes eui-64=yes

IPv6 - DHCP server

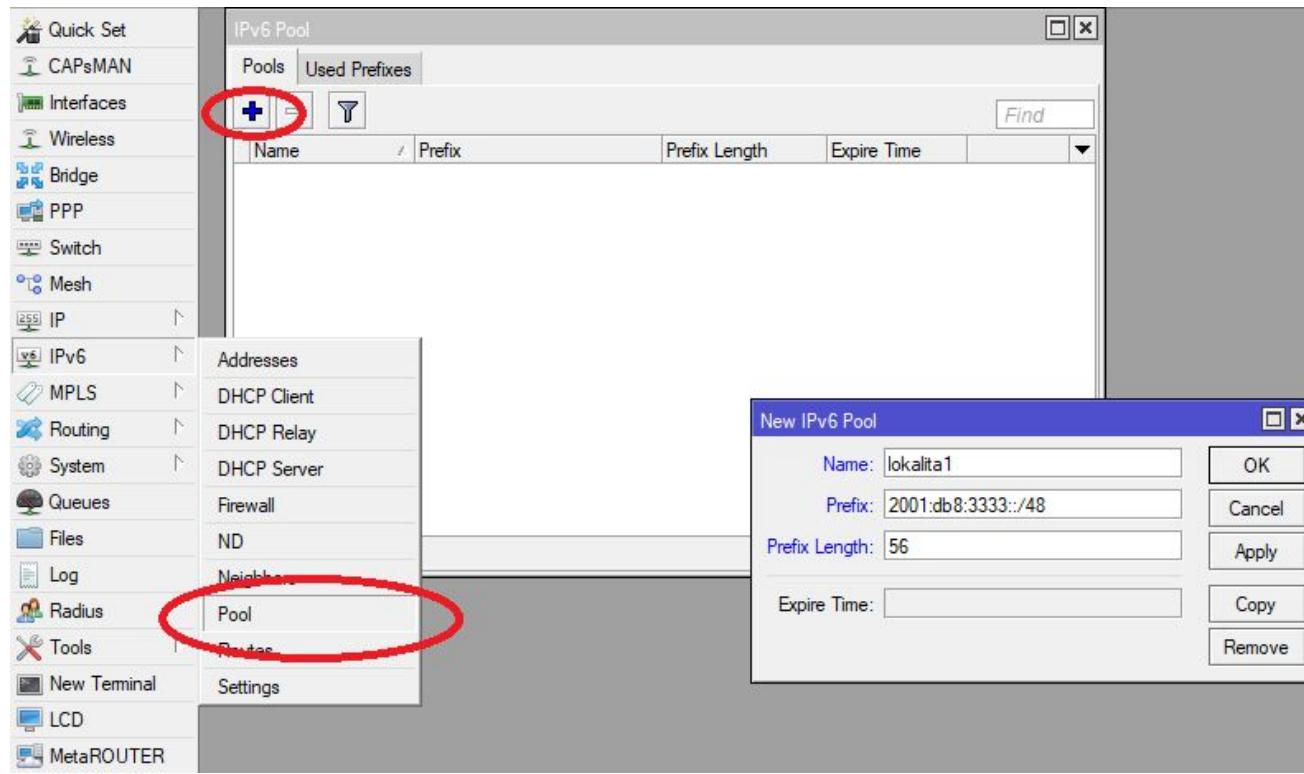/ipv6 pool

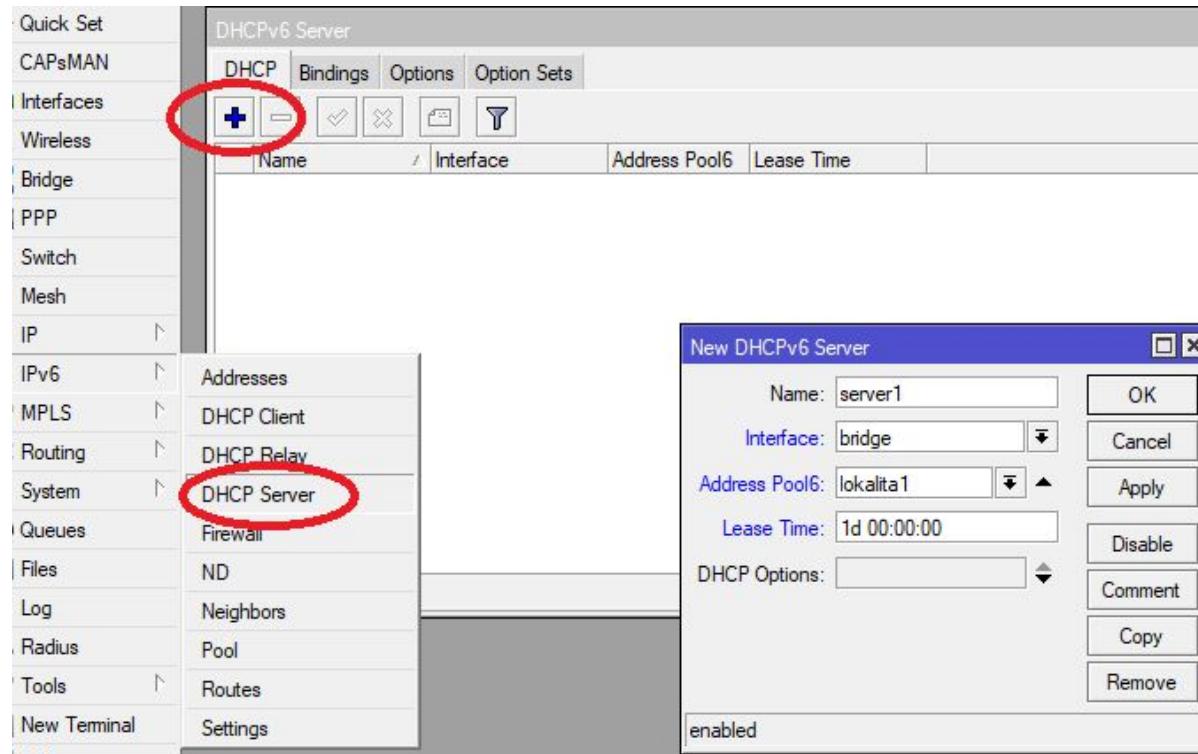add name=lokalita1 prefix=2001:db8:3333::/48 prefix-length=56

/ipv6 dhcp-server

add address-pool=lokalita1 interface=bridge lease-time=1d name=server1

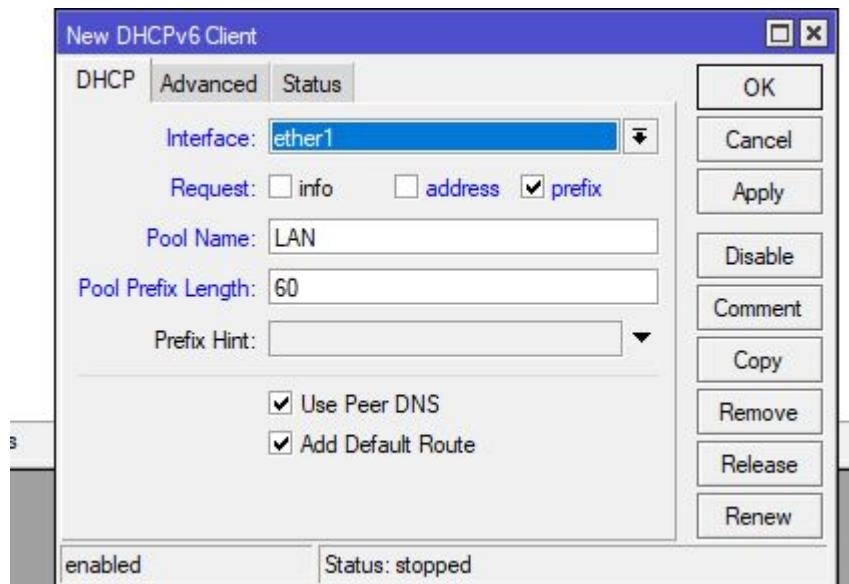# IPv6 - DHCP server

IPv6 - DHCP server

IPv6 - DHCP client

/ipv6 dhcp-client

add add-default-route=yes interface=ether1 pool-name=LAN pool-prefix-length=60 request=prefix

/ipv6 address
add address=::/64 eui-64=yes from-pool=LAN interface=bridge

IPv6 - DHCP client

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IPv6 - DHCP client

IPv6 - DHCP server - STAV

IPv6 - DHCP server - STAV

IPv6 - DHCP client za DHCP clientem

Problém: zákaznické zařízení za naším routerem

/ipv6 pool
add name=LAN prefix=2000::/60 prefix-length=64
/ipv6 dhcp-server
add address-pool=LAN interface=bridge lease-time=1d name=server1
/ipv6 pool
rem 0