officelan

LTE On MikroTik

MUM Portugal

Setembro 20, 2019

officelan

Fábio Santos

- RouterOS desde 2014
- Networks desde 2014
- Officelan 2015
- MTCNA 2015
- MTCWE / Trainer 2019 (TR0652)
- fabio.santos@officelan.pt

officelan

13

PME líder '17 excelência '17 PME líder '18

História

1998

2

INÍCIO DE ATIVIDADE

2005

3

REDESPT

2006

4

OFFICELAN

2010

6

JJROUTER

2013

8

HOTSPOT.PT

18

officelan

O que fazemos

- Venda e instalação de produtos e soluções de redes
- Desenho e produção de equipamentos (JJRouter)
- Projetos de redes (arquitetura, implementação e gestão)
- Formação MikroTik, Ubiquiti, Wireless e Network
- Coberturas Wifi alta densidade em eventos temporários

officelan

Parcerias

Distribuidores

VAR

AEROHIVE NETWORKS

HUAWEI

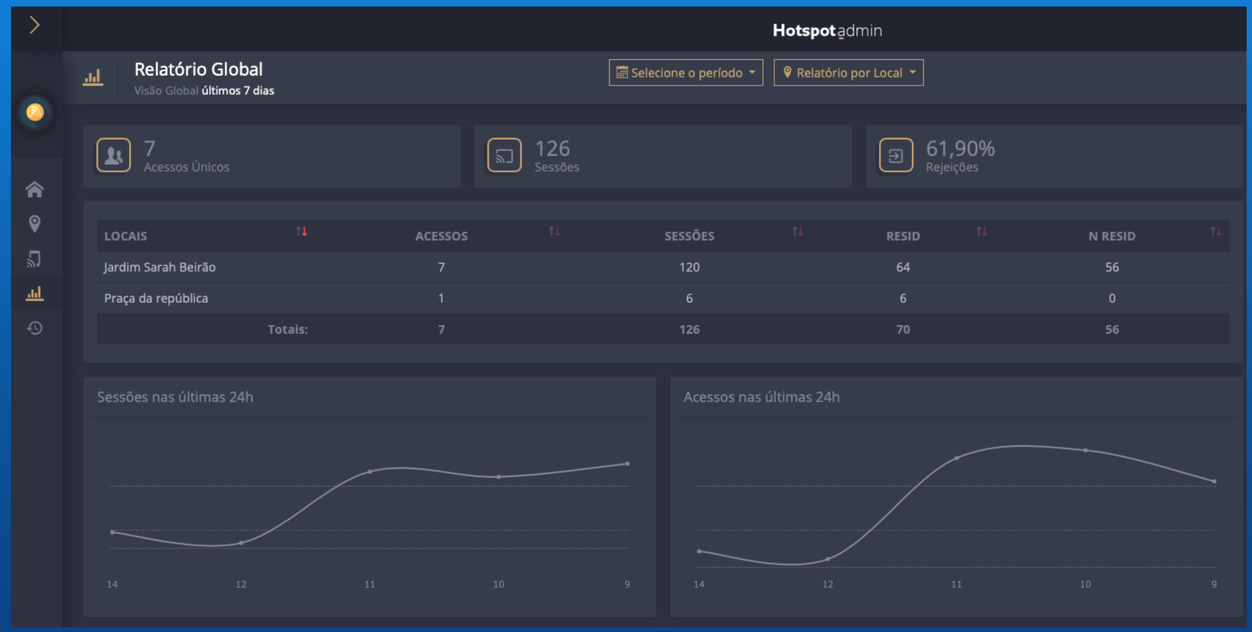
Ruckus Simply Better Wireless.

cisco Meraki

officelan

jjrouter

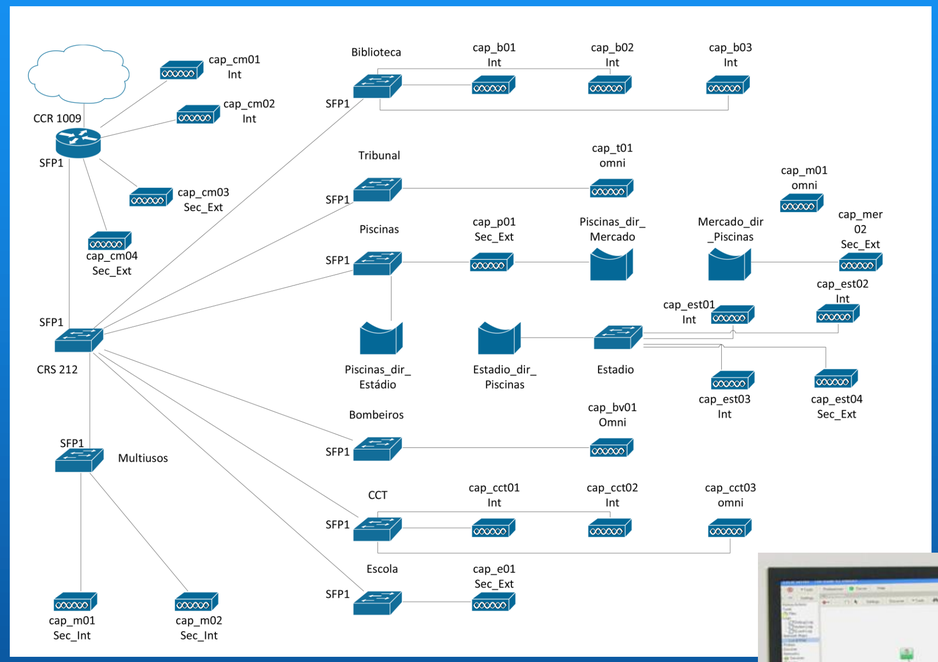
HOTSPOT.PT

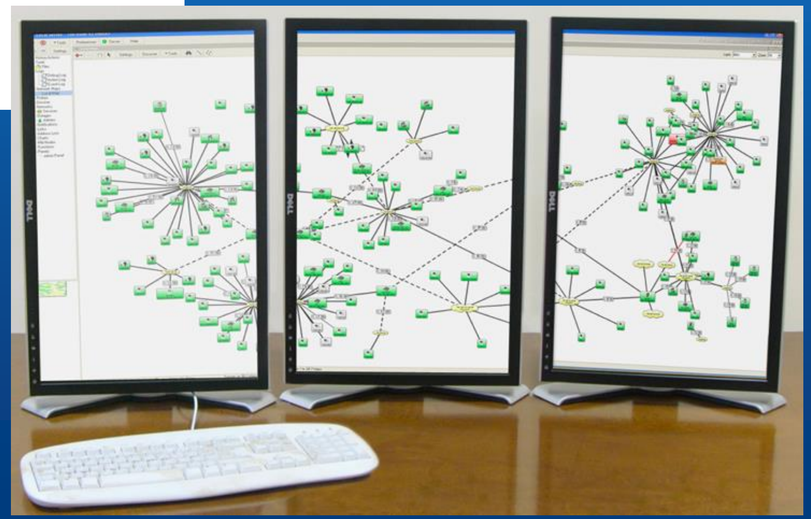


officelan

Projetos

- Survey para levantamento das necessidades
- Desenho arquitetura de rede
- Instalação e configuração da infraestrutura
- Suporte, monitorização e manutenção técnica





officelan

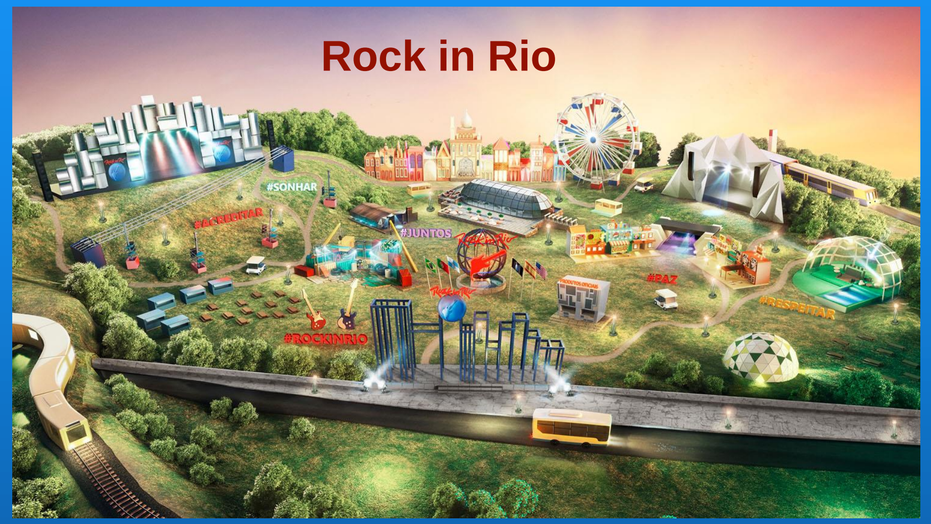
Implementações

visit Portugal

WIFI4EU

Smart City Solutions

Eventos Temporários



Cobertura Wifi indoor/outdoor de alta densidade

Transporte IP para múltiplos sites áudio/vídeo

E MUITOS MAIS…

officelan

LTE no MikroTik

LTE

- PEN Lte / Modem USB
- Routerboard’s com Modem’s incorporados.

officelan

Casos Práticos

- Hotspot para veículos (p.e. LtAP mini)
- Ligação à Internet em sítios remotos (p.e. LHG LTE)
- Backup da ligação à Internet principal
- Gestão outbound

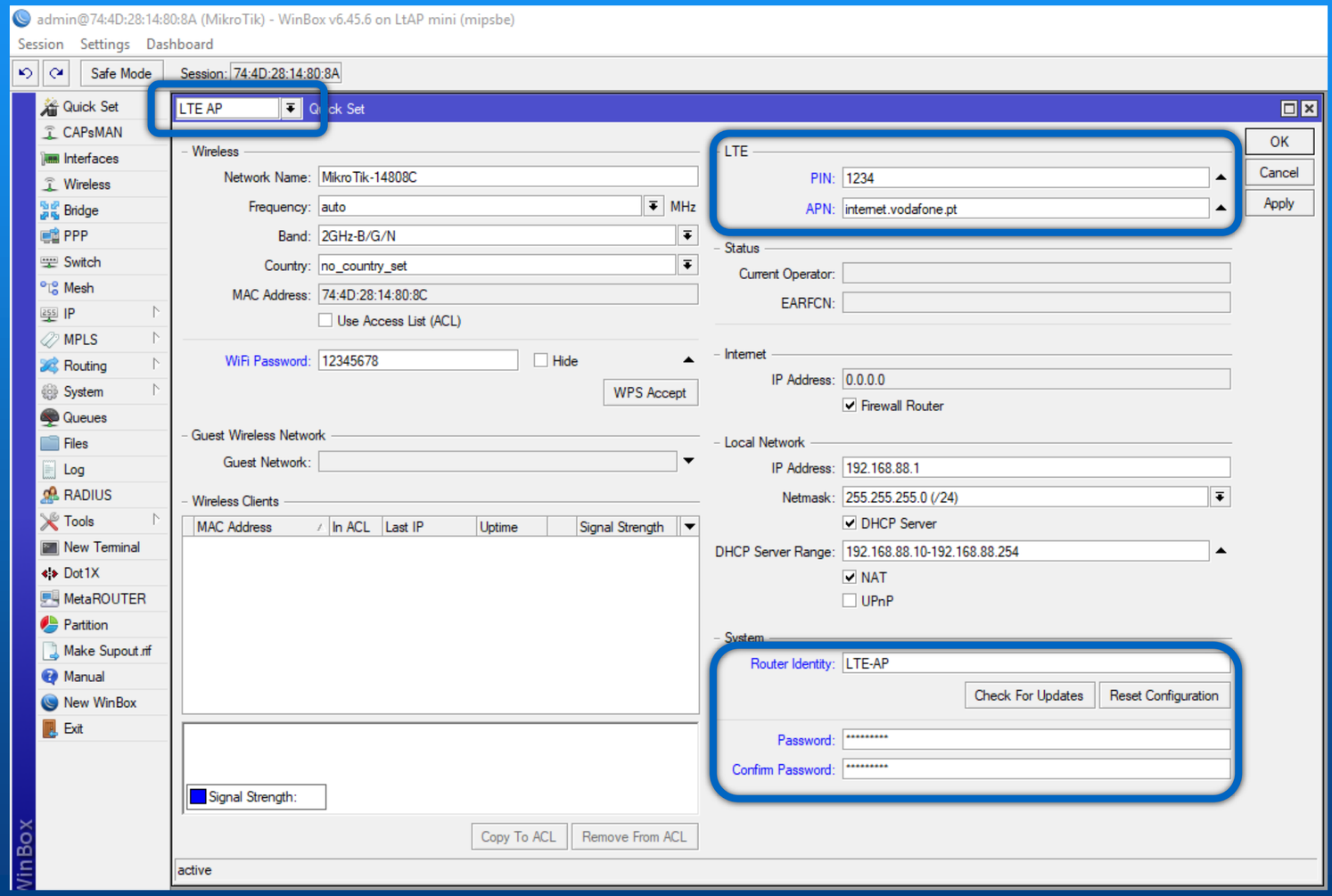
officelan

Quick Set - LTE

- Configuração rápida
- Serve para a maior parte dos casos
- LTE AP – Router LTE com Wi-fi
- LTE – Router LTE sem Wi-fi

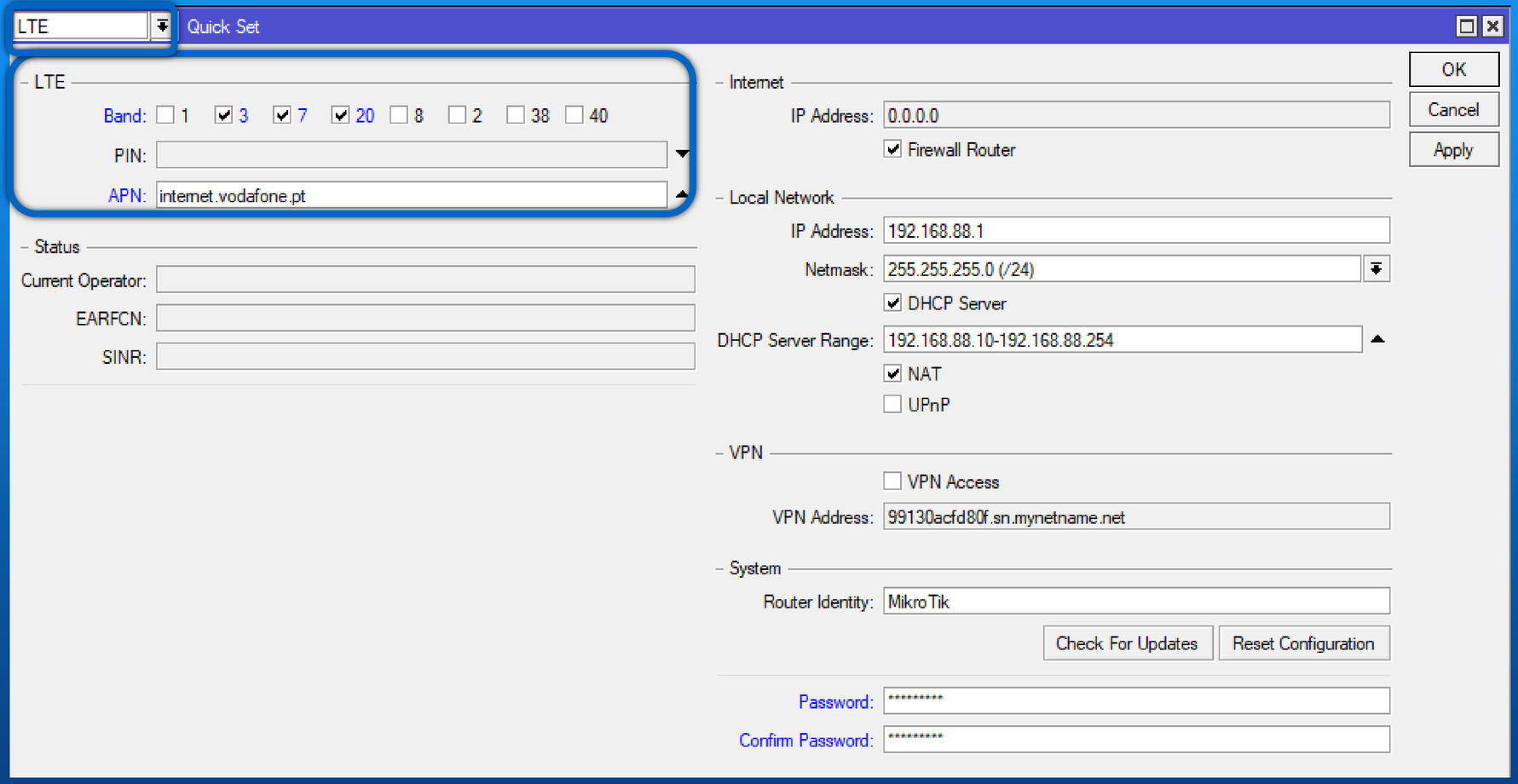
officelan

LTE – AP Quick set



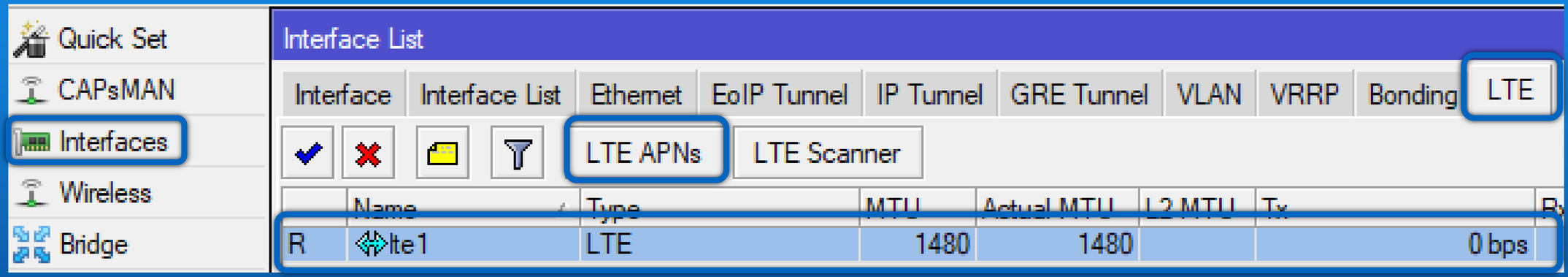
officelan

LTE Quick set



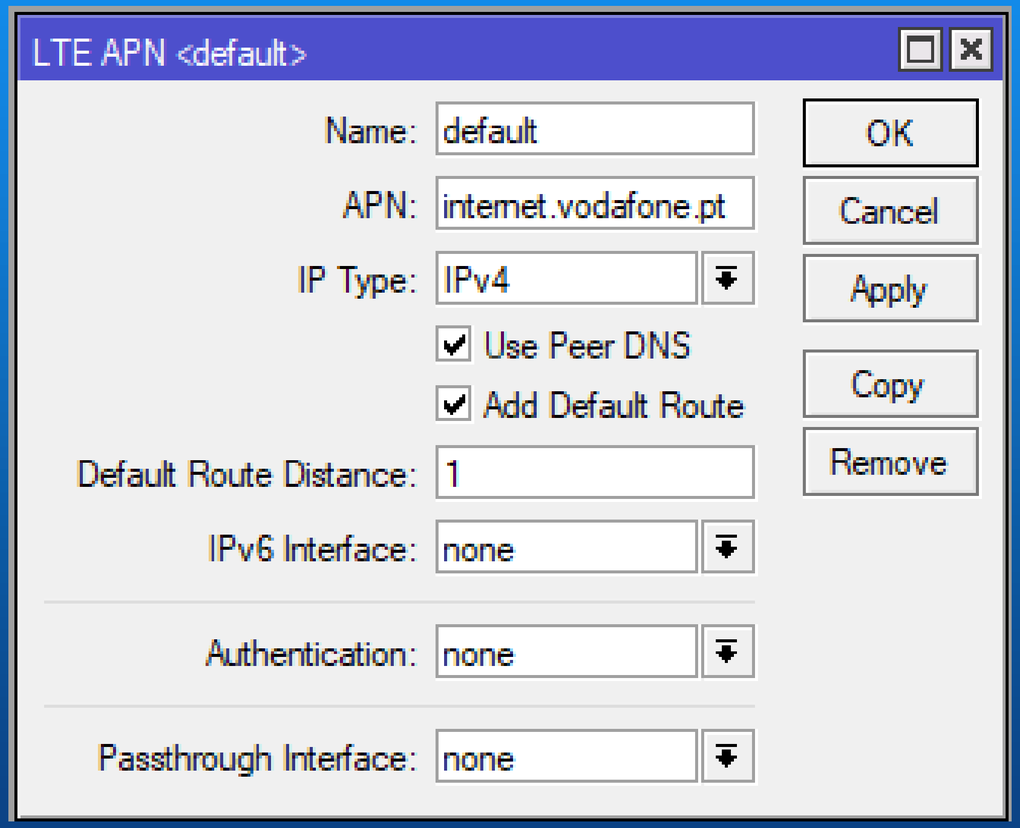
officelan

Interface LTE



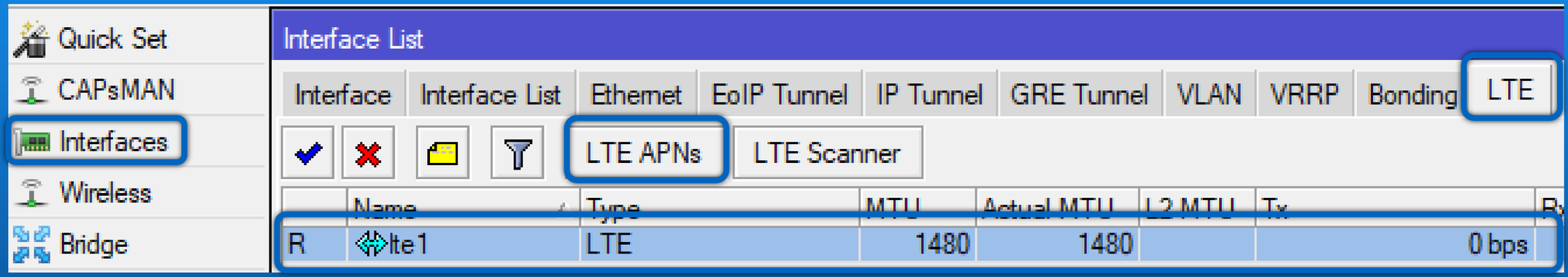
officelan

LTE APN



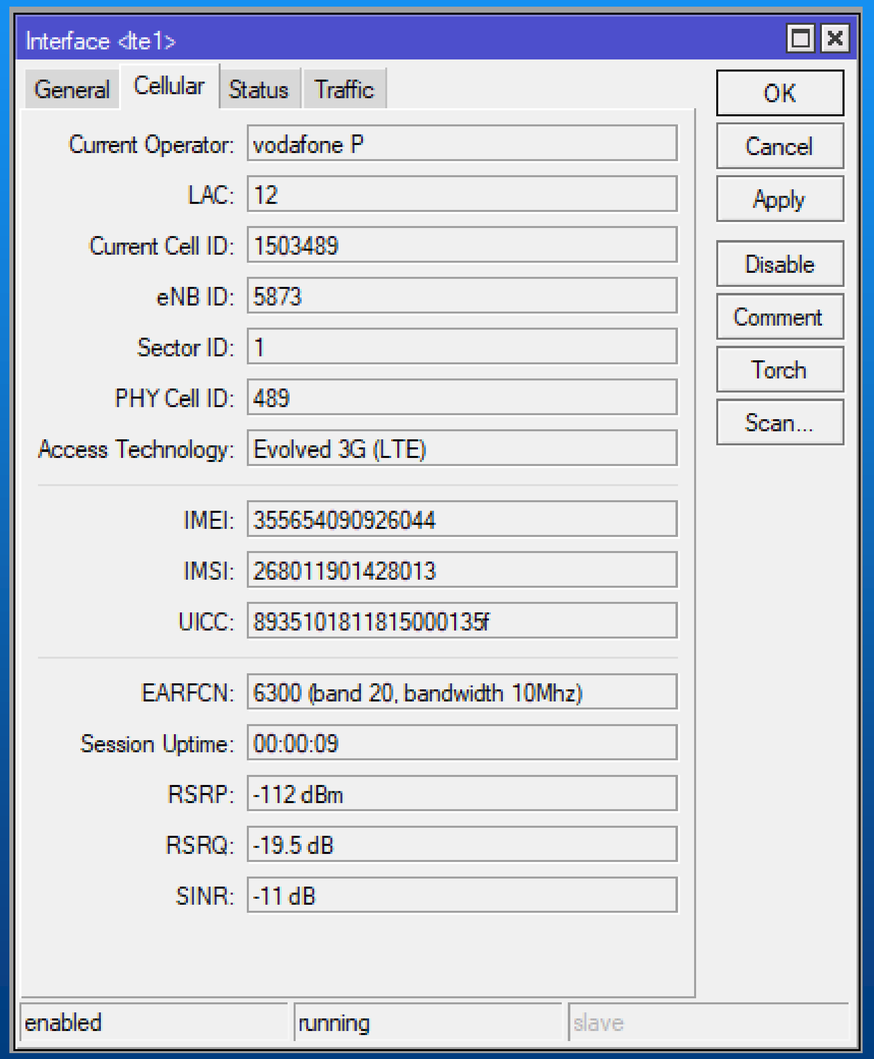
officelan

Interface LTE



officelan

LTE Status

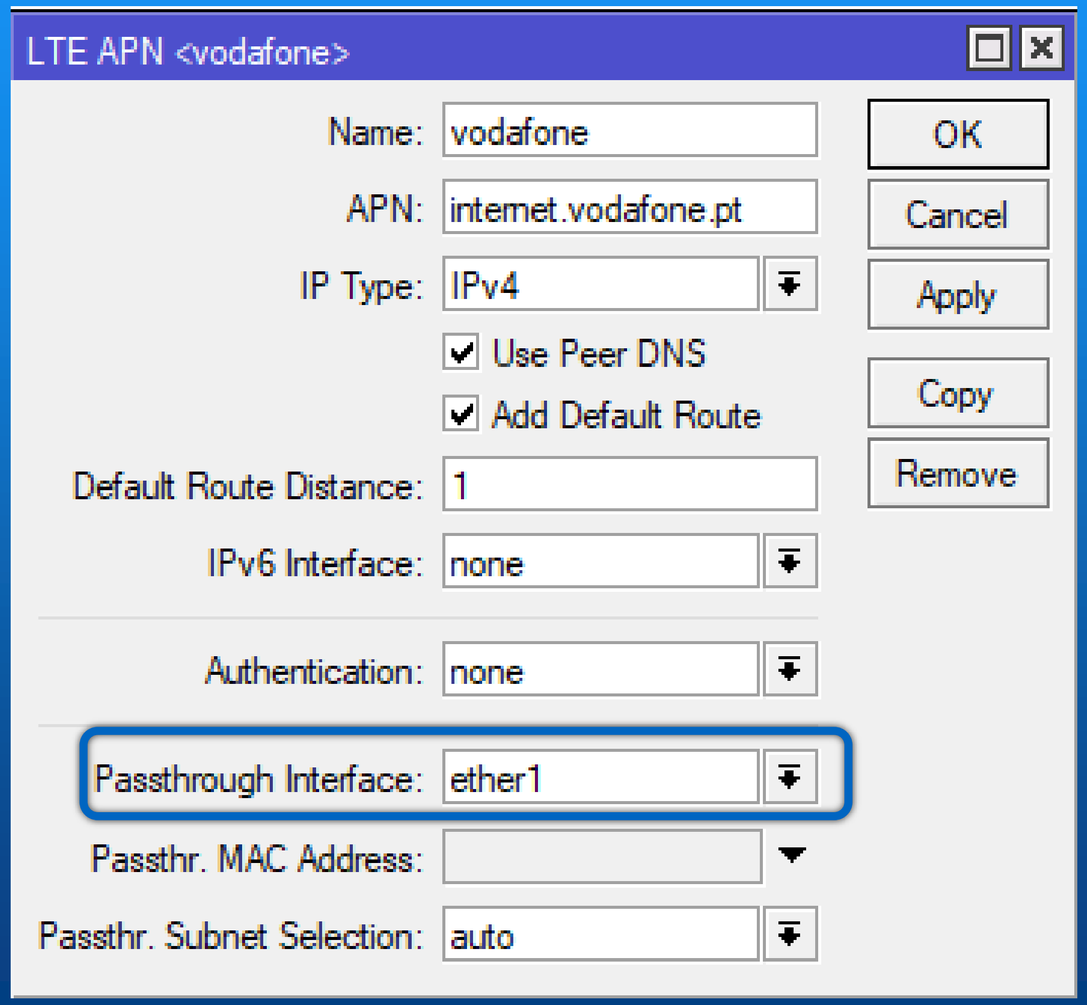


officelan

LTE Passthrough

officelan

LTE Passthrough



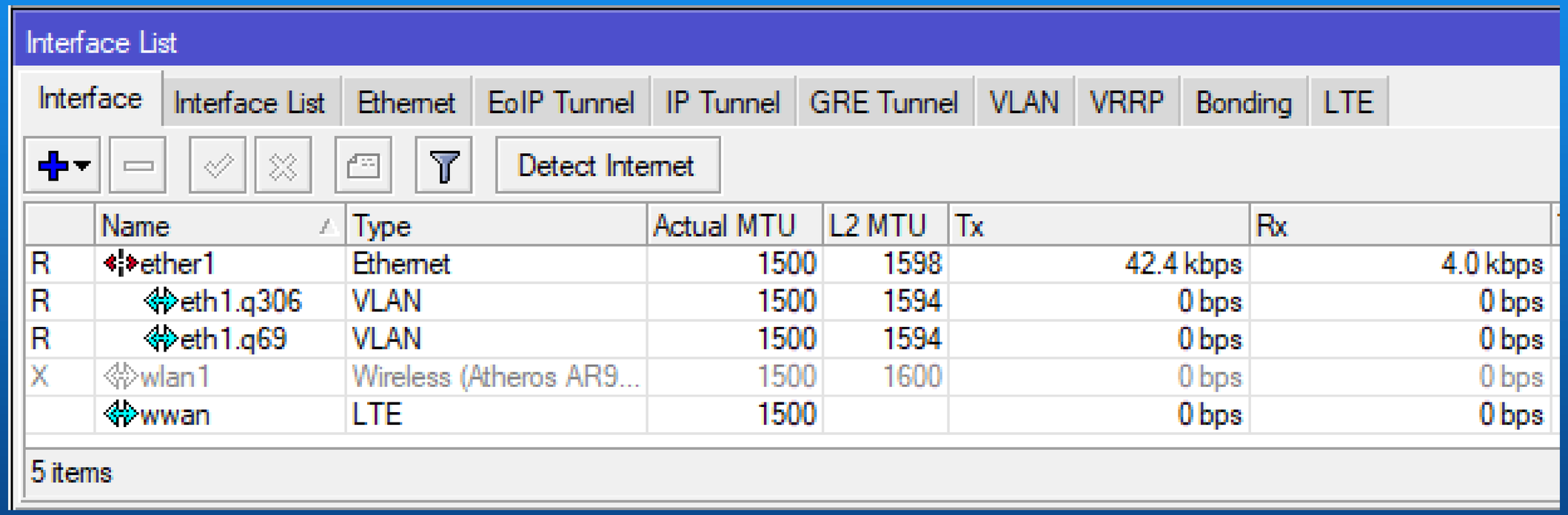
officelan

LTE Passthrough

/interface lte apn
add apn=internet.vodafone.pt default-route-distance=1 name=vodafone passthrough-interface=ether1 passthrough-mac=auto
/interface lte
set [find] apn-profiles=vodafone mtu=1500 name=wwan

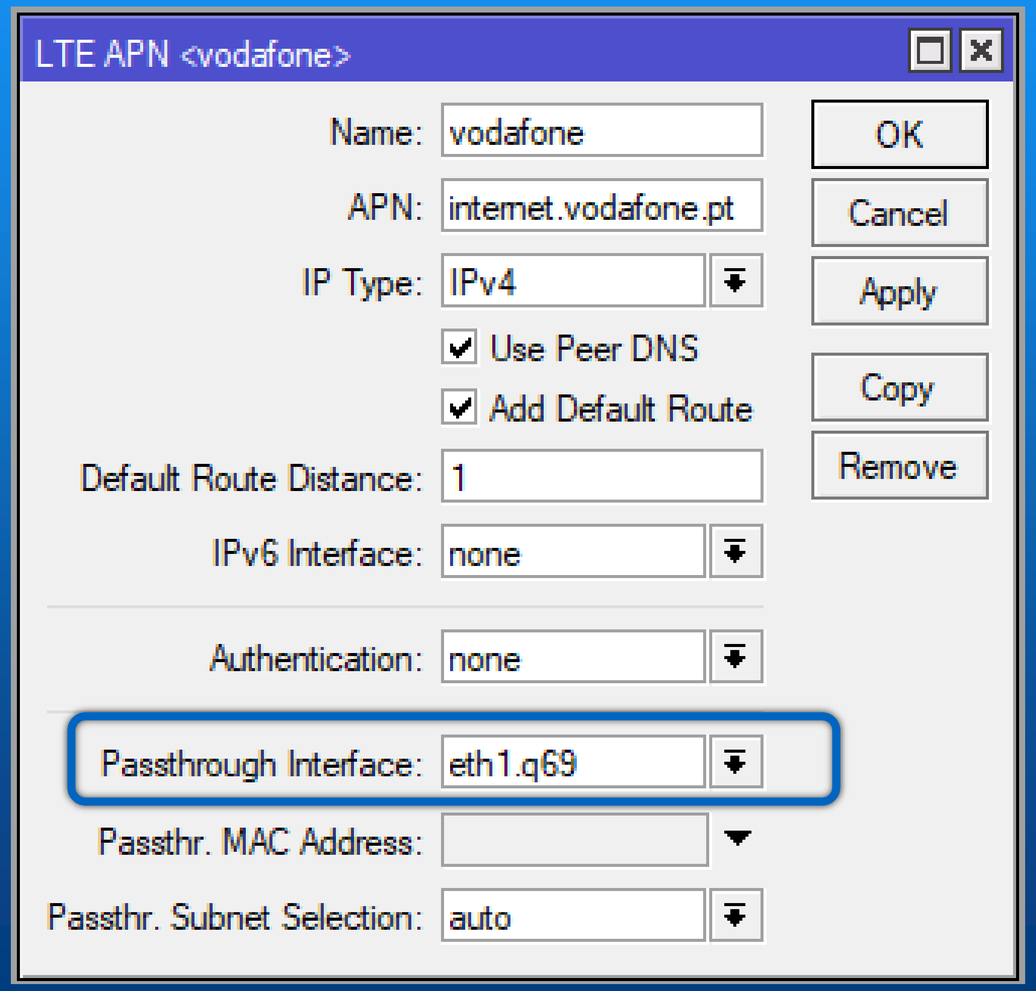
officelan

LTE Passthrough com Vlan's



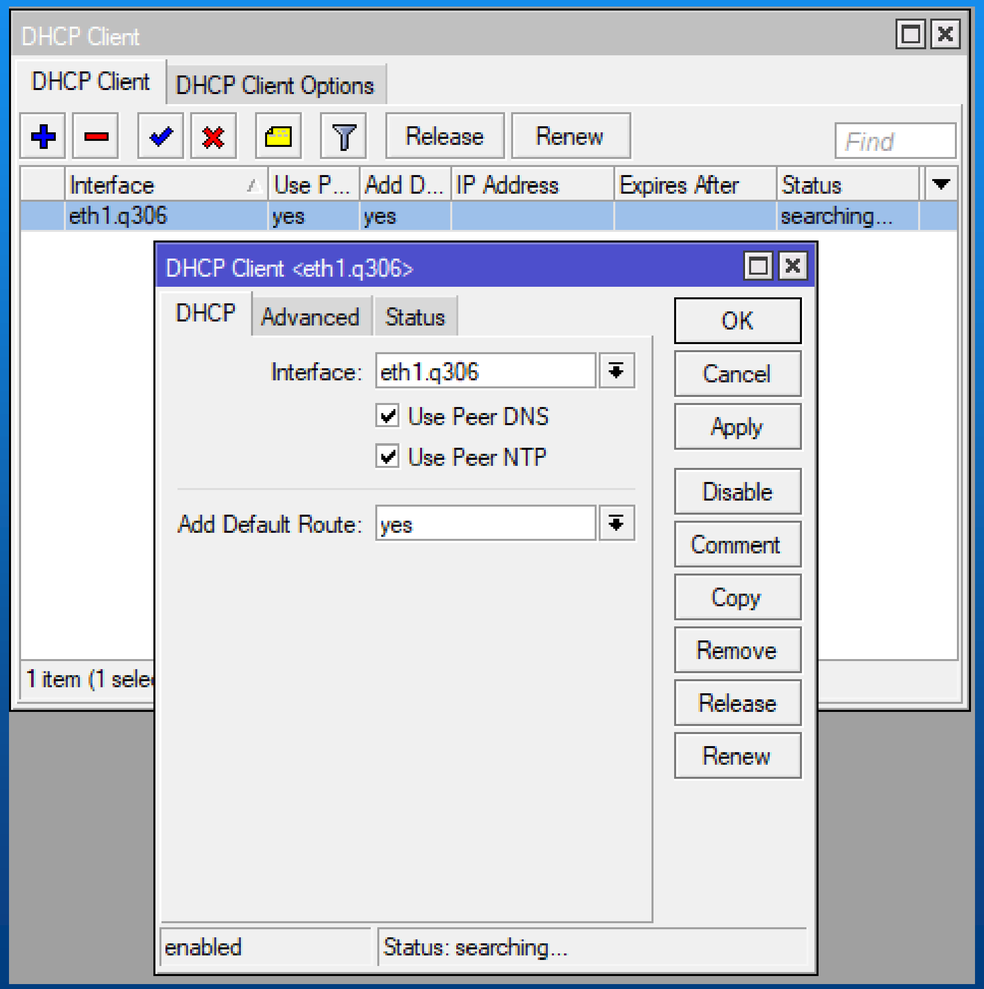
officelan

LTE Passthrough com Vlan’s



officelan

LTE Passthrough com vlan’s



officelan

LTE Passthrough

/interface vlan

add interface=ether1 name=eth1.q306 vlan-id=306

add interface=ether1 name=eth1.q69 vlan-id=69

/interface lte apn

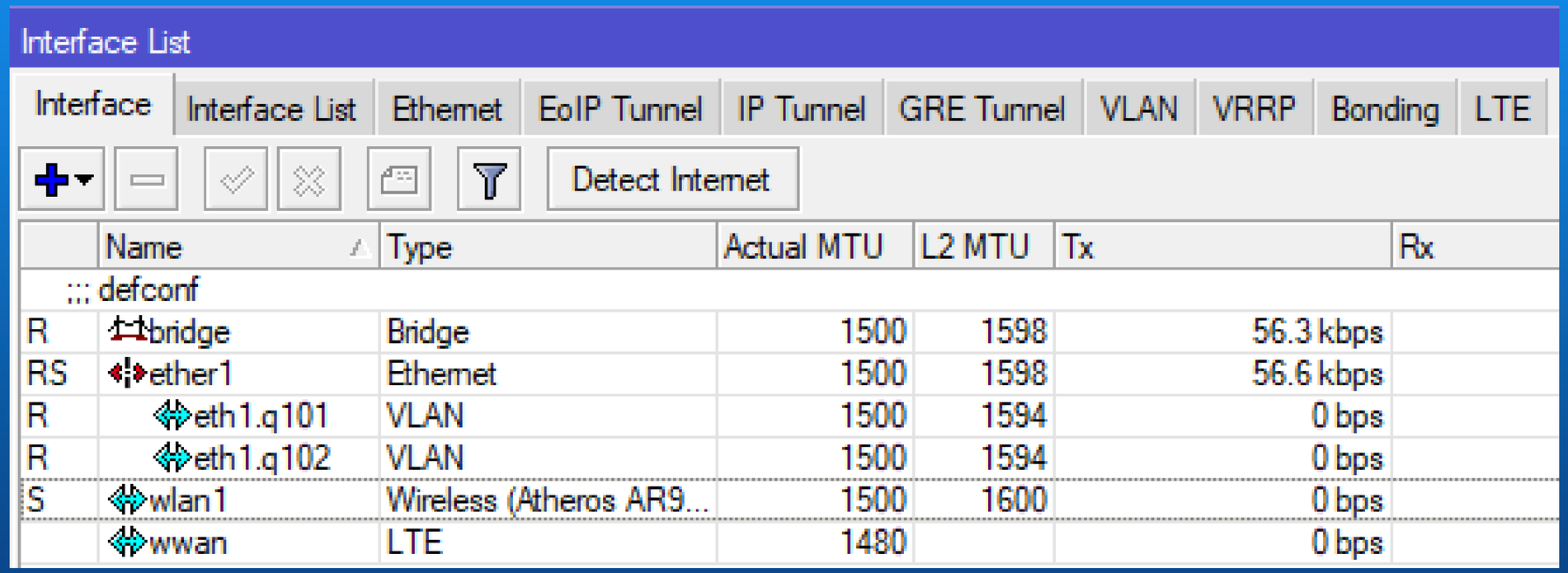
add apn=internet.vodafone.pt default-route-distance=1 name=vodafone passthrough-interface=eth1.q69 passthrough-mac=auto

/ip dhcp-client

add dhcp-options=hostname,clientid disabled=no interface=eth1.q306

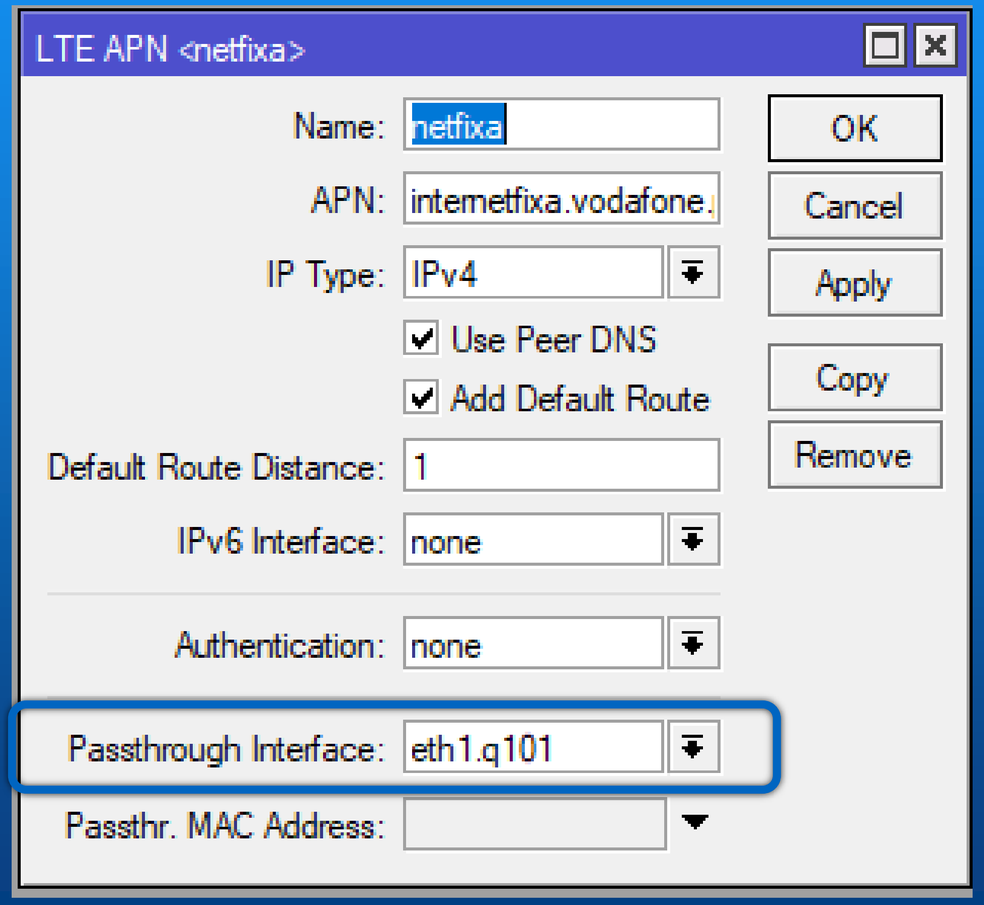
officelan

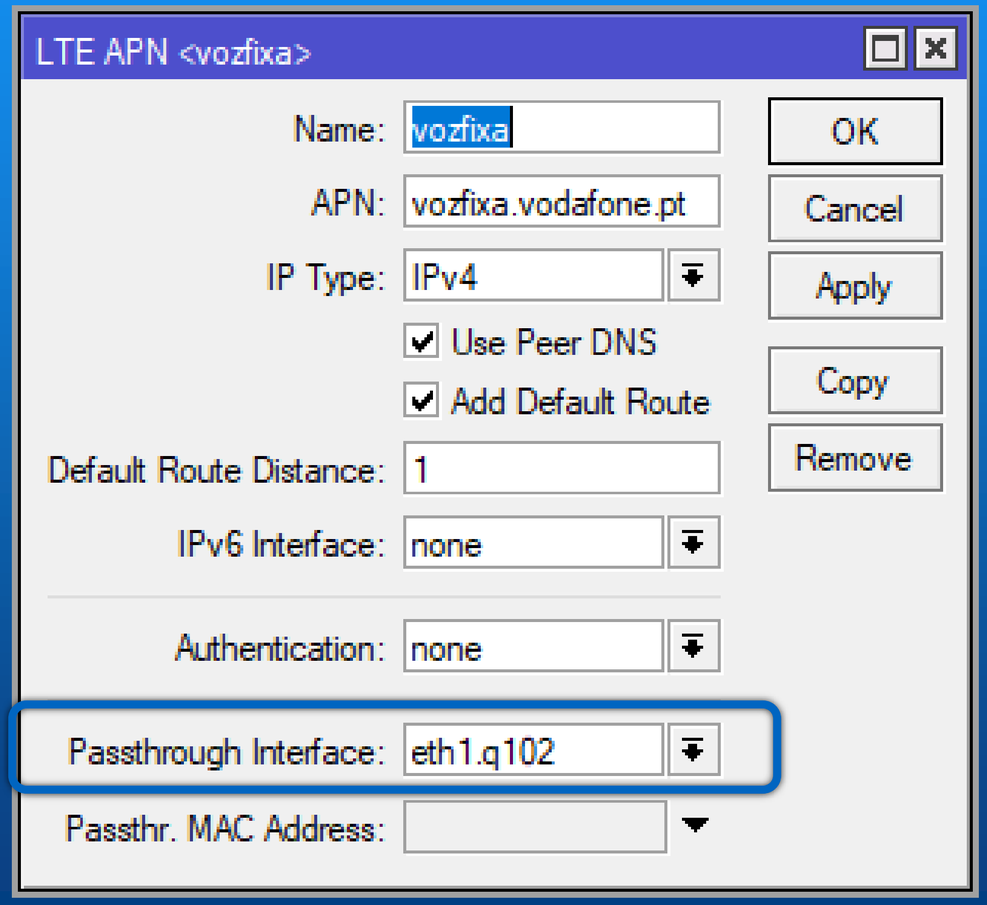
LTE Passthrough com Multiplos APN's



officelan

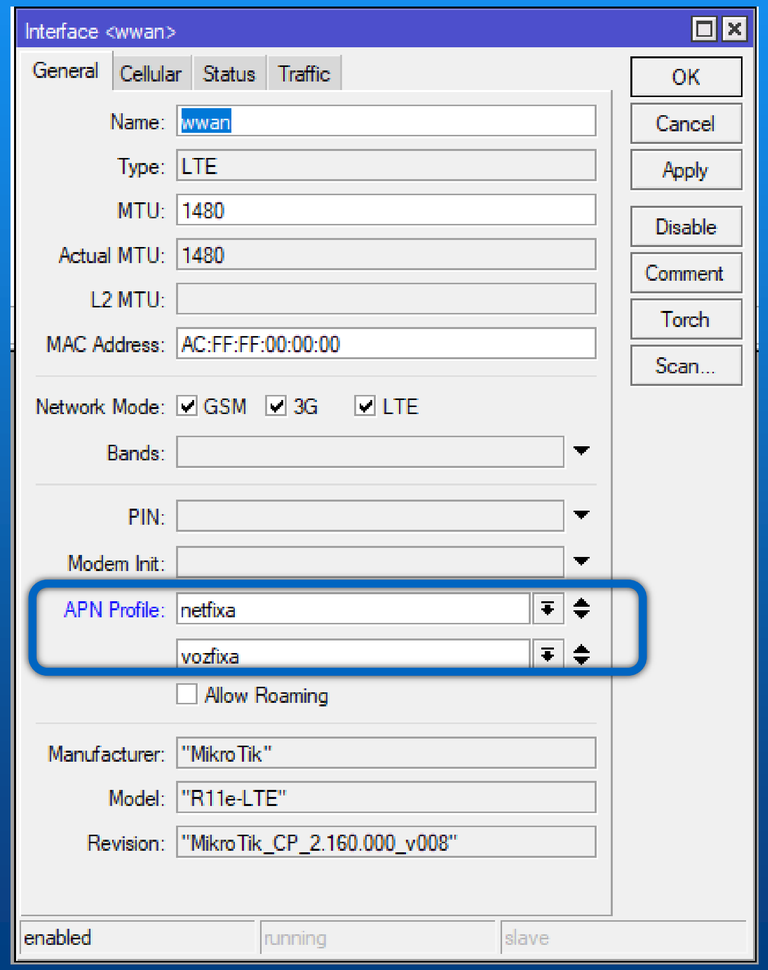
LTE Passthrough com Multiplos APN's





officelan

LTE Passthrough com Multiplos APN's



officelan

LTE Passthrough com Multiplos APN's

/interface lte

set [find] apn-profiles=netfixa,vozfixa mac-address=AC:FF:FF:00:00:00 name=wwan

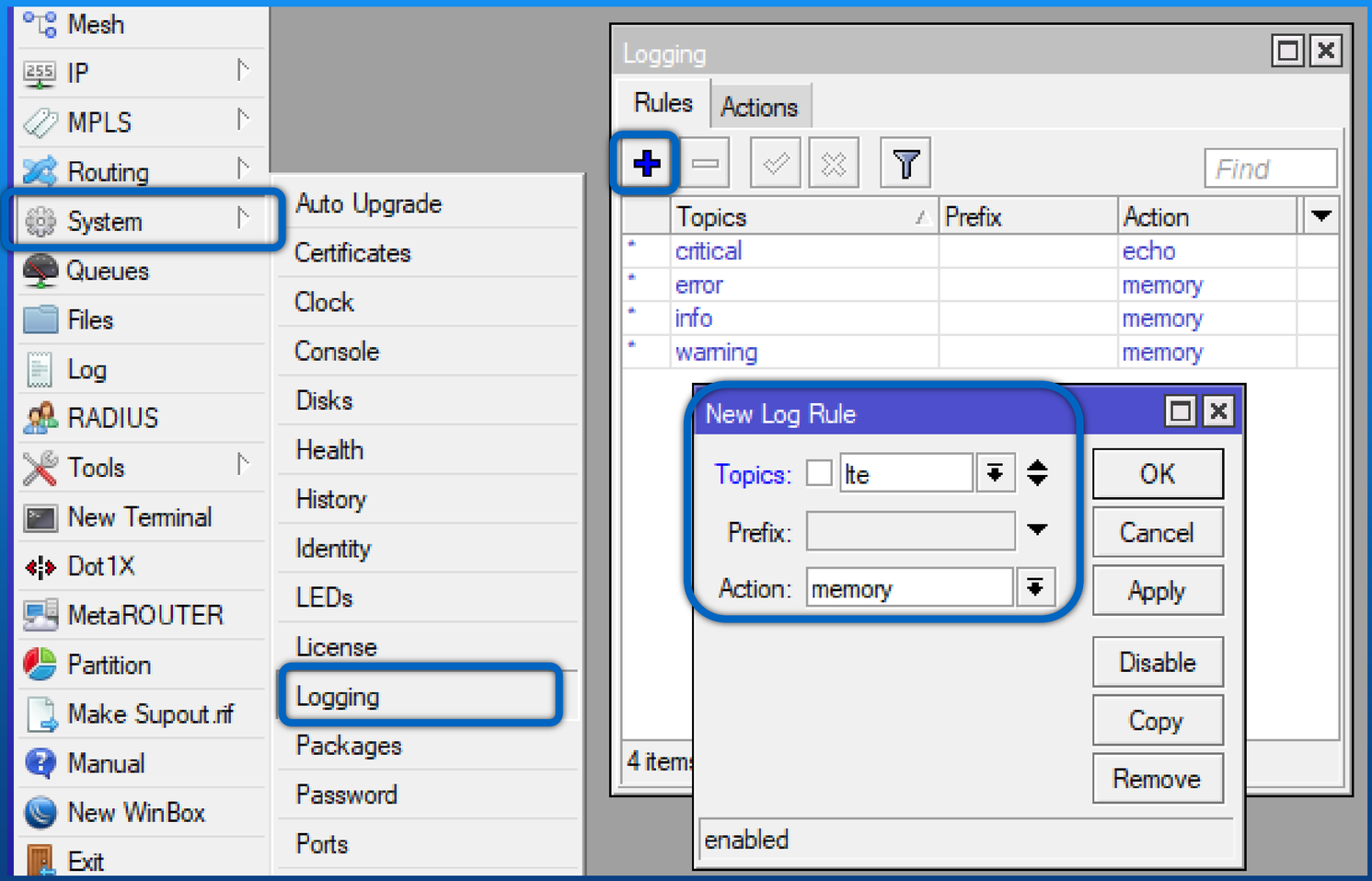
/interface lte apn

add apn=internetfixa.vodafone.pt default-route-distance=1 name=netfixa passthrough-interface=eth1.q101 passthrough-mac=auto

add apn=vozfixa.vodafone.pt default-route-distance=1 name=vozfixa passthrough-interface=eth1.q102 passthrough-mac=auto

officelan

Logging



officelan

Contactos

fabio.santos@officelan.pt

comercial@officelan.pt

https://shop.officelan.pt

officelan

BOA MuM