



MUM SAUDI ARABIA

RIYADH, OCTOBER 22, 2017

Future Legend Est for Trading established in December 2006.

Started using MikroTik Products in 2007, Hotspot server in x86 systems
, Firewall in x86 systems and wireless P2P.



Some Of Our Work

1- Supply and Install DSLAM's (ADSL and VDSL)

2- Wireless Links for ISP's, Companies, PtP and PtMP.

3-CCTVs.

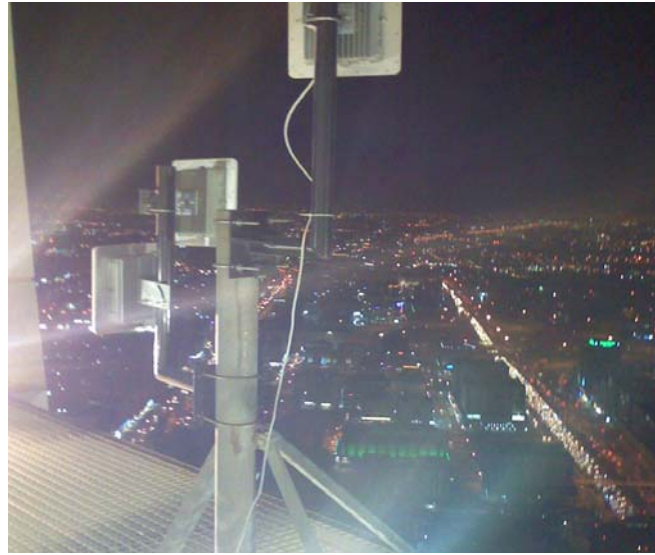
4-IP-PBX.

5-Passive Network.

6-MATV systems.



Our First Project Installing Wireless PtMP for ISP above alFaysalyah
Tower Powers By MikroTik OS



Connecting over than 40 locations over
Wireless Using MikroTik Router Board
and Custom made Antennas

MikroTik Router Os

RouterOS is the operating system of RouterBOARD

It can also be installed on a PC and will turn it into a router with all the necessary features - routing, firewall, bandwidth management, wireless access point, backhaul link, hotspot gateway, VPN server and more.

Challenging Project and how MikroTik Helped

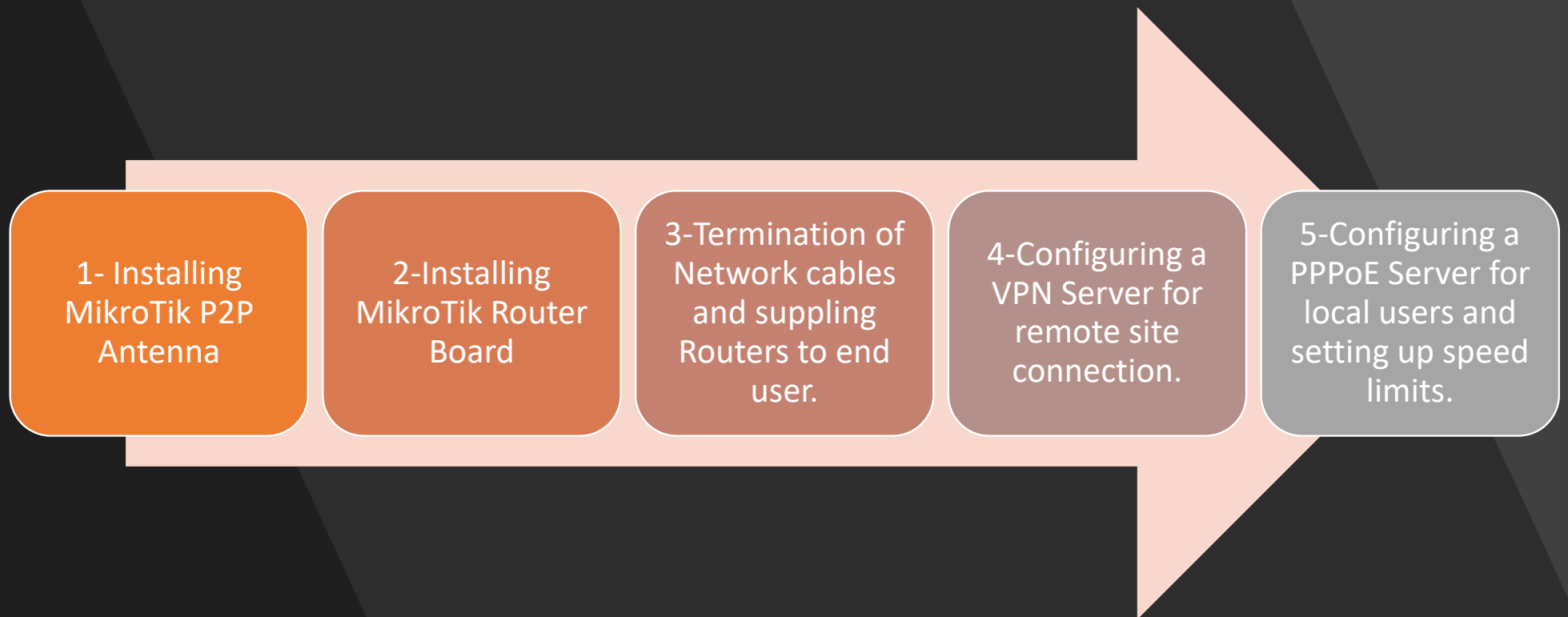
1- Providing the internet with a high speed to this location.

Nearest location 12Km speed request 45mpbs

2-destriping the internet to the residential users over cable and controlling the speed.

3-Connecting remote sites over VPN for accessing the IPPBX and Accounting program.

Solution



Wireless Link Using MikroTik RBLHG-5nD



on: 10.20.0.36

Uptime: 71d 06:26:26 Time: 01:

Interface List

Ethernet EoIP Tunnel IP Tunnel GRE Tunnel VLAN VRRP Bonding LTE

Name	Type	Actual MTU	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx	FP Rx	FP Tx Packet (p/s)
bridge1	Bridge	1500	1598	1484.0 kbps	66.1 Mbps	2 653	5 472	0 bps	66.1 Mbps	0
ether1	Ethernet	1500	1598	5.0 Mbps	164.9 kbps	437	306	5.0 Mbps	164.9 kbps	437
wlan1	Wireless (Atheros AR9...	1500	1600	1649.0 kbps	71.2 Mbps	2 959	5 907	164.9 kbps	71.2 Mbps	306

Access Tables

Nstream Dual Access List Registration Connect List Security Profiles Channels

Name	MAC Address	Interface	Uptime	AP	W...	Last Activit...	Tx/Rx Signal ...	Tx Rate	Rx Rate
		wlan1	41d 19:13:49	yes	no	0.000	-73/-67	81Mbps-4...	180Mbps-...

Achieving the Speed over Wireless

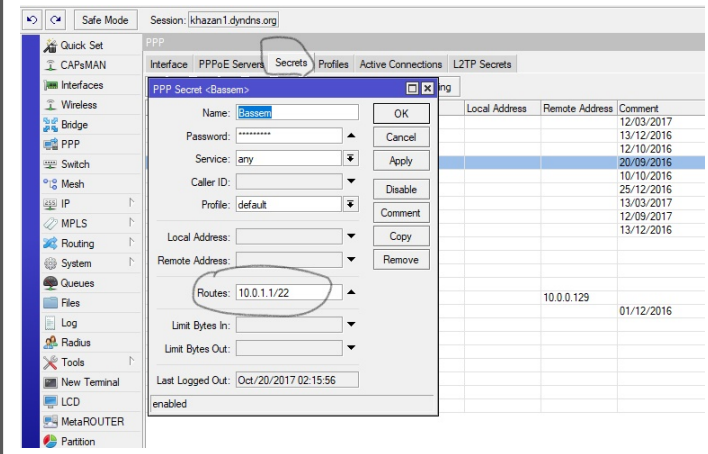
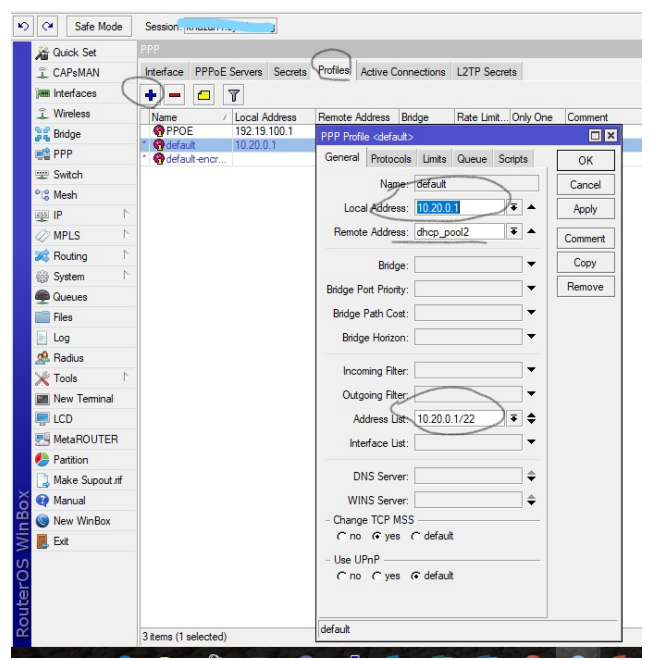
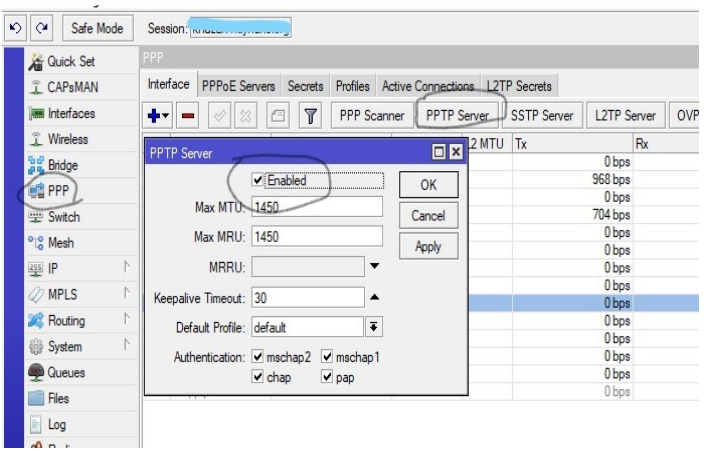


Product code	RB3011UiAS-RM
CPU	IPQ-8064-0-519FCBGA-TR-01-0
CPU core count	2
CPU nominal frequency	1.4 GHz
CPU Threads count	2
Dimensions	443x92x44mm
License level	5
Operating System	RouterOS
Size of RAM	1 GB
Storage size	128 MB
Storage type	NAND

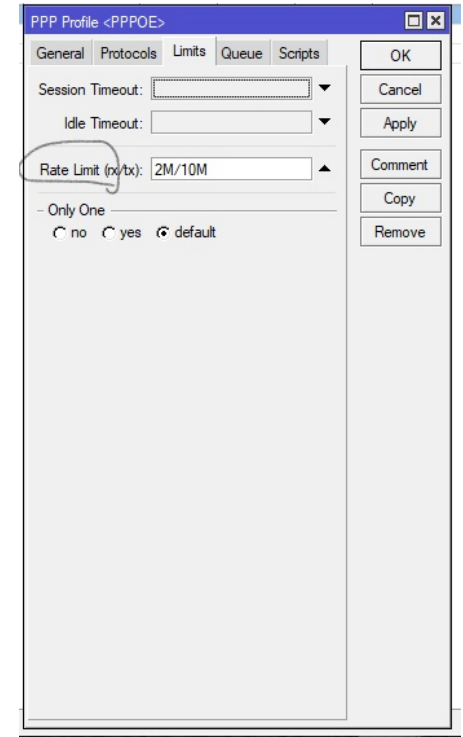
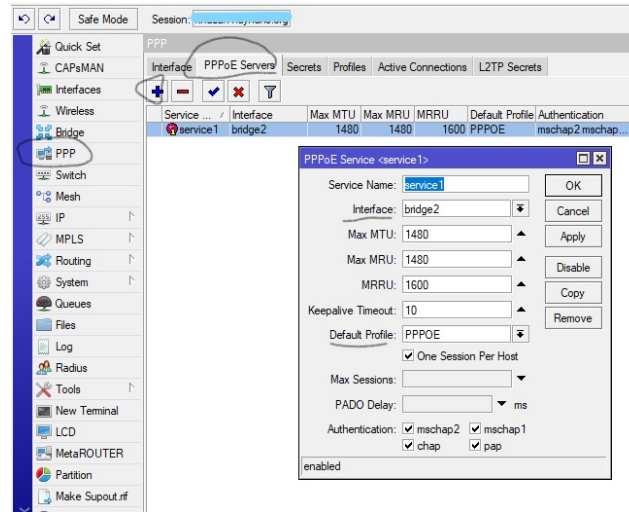
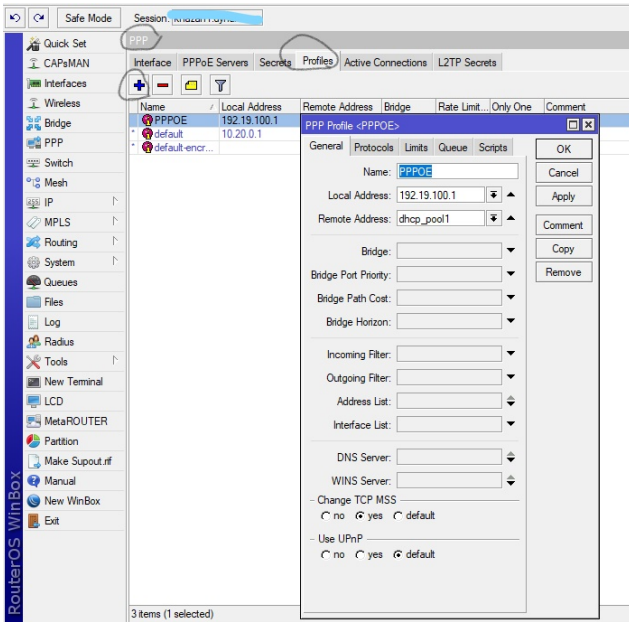
Router Board for the VPN and PPPoE Server

RB3011UiAS-RM

RB3011 has ten Gigabit ports divided in two switch groups, an SFP cage



Configuring the VPN Server and adding users



Configuring the PPPoE Server Creating Speed Profile and adding users

Safe Mode

Session: [REDACTED]

Uptime: 41d 18:48:21 Memory: 90.8 M

- Quick Set
- CAPsMAN
- Interfaces
- Wireless
- Bridge
- PPP
- Switch
- Mesh
- IP
- MPLS
- Routing
- System
- Queues
- Files
- Log
- Radius
- Tools
- New Terminal
- LCD
- MetaROUTER
- Partition
- Make Supout.tif
- Manual
- New WinBox

PPP											
Interface											
PPPoE Servers											
Secrets											
Profiles											
Active Connections											
L2TP Secrets											
PPP Scanner											
PPTP Server											
SSTP Server											
L2TP Server											
OVPN Server											
PPPoE Scan											
Name	Type	Actual MTU	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	Uptime	Comn		
DR <<<pppoe-7>	PPPoE Server Binding	1480		0 bps	0 bps	0	0	21:48:56			
DR <<<pppoe-9>	PPPoE Server Binding	1480		968 bps	1384 bps	1	2	22:14:32			
DR <<<pppoe-18>	PPPoE Server Binding	1480		0 bps	0 bps	0	0	02:37:07			
DR <<<pppoe-32>	PPPoE Server Binding	1480		0 bps	0 bps	0	0	1d 00:15:21			
DR <<<pppoe-42>	PPPoE Server Binding	1480		0 bps	0 bps	0	0	6d 02:37:59			
DR <<<pppoe-45>	PPPoE Server Binding	1480		0 bps	0 bps	0	0	23:23:45			
DR <<<pppoe-46>	PPPoE Server Binding	1480		73.2 kbps	2.0 Mbps	146	182	2d 23:13:23			
DR <<<pppoe-47>	PPPoE Server Binding	1480		0 bps	1096 bps	0	2	10:43:39			
DR <<<pptp-Bassem>	PPTP Server Binding	1450		51.0 Mbps	1287.8 kbps	4 417	2 841	1d 22:45:49			
DR <<<pptp-macdo1>	PPTP Server Binding	1450		0 bps	0 bps	0	0	22:07:00			
DR <<<pptp-mo3>	PPTP Server Binding	1450		0 bps	7.6 kbps	0	2	00:44:10			
DR <<<pptp-ryan>	PPTP Server Binding	1450		0 bps	0 bps	0	0	4d 09:01:54			
DR <<<pptp-test>	PPTP Server Binding	1450		0 bps	0 bps	0	0	1d 13:26:53			
X <<<pptp-out1	PPTP Client			0 bps	0 bps	0	0				

MikroTik

Project
Completed



Future Legend

