



HA WAN

High Available internet access (Multi WAN)

PPPOE (bridge internet access)

pppoe-client

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Terraform to setup PPP based internet connection

Wireless

routeros_wifi*

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Terraform based wifi configuration

Wireguard

Site 2 Site VPN

VLAN support

1G/10G Trunk ports

Base configuration Mikrotik OS script (based on vendor default)

set system identity

add interface lists [WAN, LAN]

rename interfaces

add bridge [LAN interfaces]

set bridge IP [main IP]

configure DNS [local]

add IP Pool [for DHCP]

add DHCP server

add NAT [WAN access]

add firewall [base]

add mac-server [Winbox on LAN]

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Terraform to inject base script routeros_system_script

Router OS script dynamic base configuration

Source: <https://registry.terraform.io/providers/terraform-routeros/routeros/latest/docs>

Source: <https://help.mikrotik.com/docs/spaces/ROS/pages/328151/First+Time+Configuration>

Project: Automatic Gateway Configuration

Mikrotik Modular Configuration Scripts

An effort to automate Mikrotik Router OS Configuration

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Setup Terraform Provider

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Setup Terraform Provider

RouterOS certificate for API access

Environmental variables for TF

Test connection

All Mikrotik RouterOS is managed via official Terraform provider HTTPS/SSL API