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Route List

Router Nexthops Rules VRF

+ ← → ↕ ↖ ↗

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|     | Dist. | Address / Gateway | Distance | Routing Mark | Pref. Source |
|-----|-------|-------------------|----------|--------------|--------------|
| AS  |       |                   |          |              |              |
| DAC |       |                   |          |              |              |
| DAC |       |                   |          |              |              |
| AS  |       |                   |          |              |              |
| AS  |       |                   |          |              |              |
| DAC |       |                   |          |              |              |
| DAC |       |                   |          |              |              |
| DAC |       |                   |          |              |              |

Interface List

Interface Ethernet EoIP Tunnel IP Tunnel GRE Tunnel VLAN VRRP Bonding LTE

+ ← → ↕ ↖ ↗

|    | Name / Type               | L2 MTU | Tx         | Rx         | Tx Packet (p/s) |
|----|---------------------------|--------|------------|------------|-----------------|
|    | ether3 Ethernet           | 1500   |            | 0 bps      | 0 bps           |
|    | ether4 Ethernet           | 1500   |            | 0 bps      | 0 bps           |
|    | ether5 Ethernet           | 1500   |            | 0 bps      | 0 bps           |
|    | ether6 Ethernet           | 1500   |            | 0 bps      | 0 bps           |
| S  | ether7 Ethernet           | 1500   |            | 0 bps      | 0 bps           |
| S  | ether8 Ethernet           | 1500   |            | 0 bps      | 0 bps           |
| S  | ether9 Ethernet           | 1500   |            | 0 bps      | 0 bps           |
|    | Local - Slave - on212.lan |        |            |            |                 |
| S  | ether10 Ethernet          | 1500   |            | 0 bps      | 0 bps           |
|    | MT_local                  |        |            |            |                 |
| R  | ether11_GW Ethernet       | 1500   | 152.2 kbps | 168.2 kbps |                 |
|    | Local - SW - Slave -> PC  |        |            |            |                 |
| RS | ether12 Ethernet          | 1500   | 363.9 kbps | 177.5 kbps |                 |
| R  | local Bridge              | 1500   | 363.9 kbps | 177.4 kbps |                 |

18 items (1 selected)

# Routeros Winbox Manual

**Michael Brown**



## **Routers Winbox Manual:**

**Learn RouterOS** Dennis M. Burgess, 2010      **MikroTik Scripting** Nigel Bowden, MikroTik Scripting will teach you how to use the power of the MikroTik RouterOS scripting language to extend the functionality and support the administration of your MikroTik device We ll explore topics such as Automation of repetitive configuration tasks Executing administrative tasks at timed intervals Creating new functionality customised for your environment Interrogation and logging of performance and status information The book starts with the basics of scripting and progresses through an extensive range of topics allowing you to build run and debug scripts on our MikroTik device We ll explore questions such as What is scripting and how can it help me How do I create and run scripts on a MikroTik device What script creation workflow should I use What commands and syntax should I use to create scripts How can I debug my scripts As you explore each topic you ll create a series of scripts that increase in sophistication to reflect your growing scripting knowledge on your learning journey All scripts shown in this book are available for download from GitHub You ll be able to download a copy of each script and run it for yourself to see first hand how it works Each of the scripts you ll create is a software program written using the MikroTik scripting language Although this book isn t intended to teach you how to become a software developer it covers some of the basic concepts you ll need if you re not familiar with developing code Who is this book for This book is for anyone who wishes to learn how to create scripts for the MikroTik platform including Network engineers who are familiar with deploying MikroTik hardware and wish to create their own custom features for their network environment Network and software engineers who are involved with network automation and would like to automate tasks in their MikroTik environment Network operations departments who would like to automate alerts using self monitoring scripts on MikroTik devices If you ve been searching for a single resource to teach you how to create your own MikroTik scripts then you ll find MikroTik Scripting extremely useful It s also a valuable reference guide to keep on your bookshelf for future scripting work

**MikroTik MTCNA** Ehab Abo Elazm, 2025-01-29 The MTCNA MikroTik Certified Network Associate is the first step in the MikroTik certification path It is a foundational certification required before studying any other MikroTik certifications This book is designed to help you understand the official MTCNA certification syllabus covering the fundamentals of MikroTik technologies in a simple and clear way It includes step by step explanations diagrams and practical examples and labs in both GUI and CLI using the latest version of RouterOS v7 Whether you are new to MikroTik technology and want to learn it or are aiming to get certified this guide is the right start It will help you understand the course content and pass the exam with confidence      *Konfigurasi Mikrotik Untuk Pemula* Arief Wahyudin, 2020-07-18 Konfigurasi Mikrotik Untuk Pemula adalah buku yang sangat cocok digunakan untuk Anda yang ingin memulai belajar Mikrotik Buku ini sebagian besar mengacu pada Outline MTCNA dan MTCRE yang ada di websites resmi MikroTik <https://mikrotik.com/training/about> Di dalam buku ini dibahas mulai konfigurasi addressing firewall web proxy wireless bridge switch routing tunnel hotspot quality of services dan

beberapa tips and tricks dalam menggunakan mikrotik Buku ini masih sangat jauh dari kata sempurna karena penyusunannya adalah hasil praktik secara mandiri oleh karena itu saya selaku penulis buku ini sangat mengharapkan masukan untuk meningkatkan bobot dari buku ini agar kedepannya dapat diperbaiki menjadi lebih baik dan dapat membantu bagi siapa saja yang ingin belajar MikroTik

**WiFi Explorer Pro 3: The Definitive User Guide** Nigel

Bowden, Adrian Granados, WiFi Explorer Pro 3 The Definitive User Guide takes a deep dive into one of the most popular software tools in the Wi Fi industry It explores its extensive range of features and how to use it in the field It also takes a detailed peek look under the hood to understand how WiFi Explorer Pro 3 gathers data about 802 11 networks and provides extensive diagnostic data in its comprehensive user interface UI The book moves beyond existing online help available for WiFi Explorer Pro 3 and provides a definitive reference detailing every product feature available together with many additional insights and tips Topics covered include A detailed exploration of Wi Fi scanning theory How WiFi Explorer Pro 3 acquires network data using local wireless adapters remote sensors and external data import Details of every WiFi Explorer Pro 3 UI option and setting Data visualization using WiFi Explorer Pro 3 s filtering profiles and coloring rules How WiFi Explorer Pro 3 can be used for spectrum analysis Bluetooth and Zigbee network discovery How to use WiFi Explorer 3 for real world troubleshooting and reporting Many people discover only a fraction of WFE Pro 3 s features This book explores its extensive feature set and demonstrates how you can realize more from your investment in this industry leading product

**Mikrotik Tutorial , MTCNA Lengkap (Teori dan Praktik)** Alex Pranozal, S.T., Buku ini merupakan pegangan bagi peserta training MTCNA di Sakti IT Buku ini cocok bagi pemula yang menggunakan MikroTik Buku ini dilengkapi dengan teori dan straight to do point tidak bertele tele Disamping itu juga dilengkapi dengan panduan praktik step by step sehingga mudah diikuti

**Best Practice MikroTik Hotspot** Nathan Gusti Ryan, 2018-03-27 NETWORKING adalah perpaduan lebih dari satu komputer yang saling terhubung dengan sebuah media baik kabel jaringan maupun nirkabel tanpa kabel wireless sehingga komputer komputer tersebut membantuk sebuah jaringan kerja yang saling terkait yang kita sebut dengan networking Tujuan utama networking dibuat agar komputer komputer yang terhubung dapat saling berbagi informasi dan bertukar data Seiring majunya teknologi maka konsep networking bukan hanya berbagi data dan informasi saja tetapi juga berbagi peralatan misalnya printer dan alat output komputer lainnya sehingga dapat dipakai bersama sama dalam jaringan dari komputer komputer yang saling terkait Networking atau jaringan ialah salah satu cabang ilmu dunia IT yang membahas tentang komunikasi antar komputer Materi networking yang diajarkan disekolah atau diperkuliahan saat ini dirasa belum cukup memadai dari yang diharapkan bagi mereka yang sangat ingin mendalami Ilmu Networking bisa mempelajarinya dalam buku ini

Easy and Practice PPPoE Server, VPN PPTP, Bandwidth Management, Mikrotik Hotspot with Mikrotik RouterBoard Azrieal Akbar Zackiansyah, 2022-07-22 BAB 1 APA ITU MIKROTIK 1 A PENGERTIAN MIKROTIK 1 B SEJARAH

MIKROTIK 1 C JENIS JENIS ROUTER MIKROTIK 2 D FUNGSI MIKROTIK 3 E MACAM MACAM FITUR MIKROTIK 4 F KELEBIHAN DAN KEKURANGAN MIKROTIK 6 G MIKROTIK ACADEMY 6 BAB 2 BASIC CONFIGURATION MIKROTIK 8 A PENDAHULUAN 8 B STEP BY STEP 8 BAB 3 KONFIGURASI MIKROTIK MENJADI WIRELESS ACCESS POINT WAP 26 A PENDAHULUAN 26 B STEP BY STEP 26 BAB 4 KONFIGURASI MIKROTIK HOTSPOT 5GHZ DENGAN SIMPLE MODE 35 A PENDAHULUAN 35 B JENIS JENIS HOTSPOT 35 C STEP BY STEP 36 BAB 5 KONFIGURASI MIKROTIK HOTSPOT 2 4GHZ DENGAN SIMPLE MODE 51 A PENDAHULUAN 51 B STEP BY STEP 51 BAB 6 KONFIGURASI MIKROTIK HOTSPOT DENGAN USER MANAGER 66 A PENDAHULUAN 66 B STEP BY STEP 67 BAB 7 KONFIGURASI PPPOE SERVER 88 A PENDAHULUAN 88 B STEP BY STEP 89 BAB 8 KONFIGURASI VPN PPTP 107 A PENDAHULUAN 107 B STEP BY STEP 108 BAB 9 BANDWIDTH MANAGEMENT 116 A PENDAHULUAN 116 B STEP BY STEP BANDWIDTH MANAGEMENT DENGAN SIMPLE QUEUES 117 C STEP BY STEP BANDWIDTH MANAGEMENT DENGAN QUEUE TREE 122 D STEP BY STEP MEMISAHKAN TRAFFIC SESUAI KEBUTUHAN 127 BAB 10 BLOCKING 138 A PENDAHULUAN 138 B STEP BY STEP BLOCKING SITE 139 C STEP BY STEP BLOCKING FILE 147 D STEP BY STEP BLOCKING GAME 151 BAB 11 BACKUP RESTORE KONFIGURASI MIKROTIK 158 A PENDAHULUAN 158 B STEP BY STEP BACKUP MANUAL 159 C STEP BY STEP BACKUP OTOMATIS 161 D STEP BY STEP RESTORE KONFIGURASI 170 DAFTAR PUSTAKA 171

Kebutuhan akan internet menjadi hal yang sangat lumrah untuk ditemui pada kehidupan masyarakat di era teknologi digital saat ini Banyak sekali opsi atau cara untuk membuat konfigurasi sistem operasi jaringan pada perangkat komputer MikroTik adalah salah satu cara untuk dapat mengembangkan paket layanan internet agar dapat digunakan dalam berbagai perangkat komputer yang tersedia MikroTik merupakan salah satu teknologi yang biasa digunakan untuk mengembangkan layanan internet yang ada menjadi beberapa paket sehingga bisa digunakan oleh berbagai perangkat komputer MikroTik adalah teknologi jaringan yang dipakai untuk menyediakan layanan internet dengan menjadikan suatu komputer sebagai router jaringan admin Sebagian besar layanan ini dipakai oleh perusahaan yang memberikan layanan pembuatan jaringan komputer baik skala kecil maupun skala yang lebih besar Buku ini sangat direkomendasikan untuk pembelajaran bagi siswa siswi mahasiswamahasiswa ataupun juga rekan rekan Administrasi Infrastruktur Jaringan yang akan mempelajari tentang MikroTik untuk mempermudah dalam proses Implementasi di dalam perusahaan maupun instansi dikarenakan penulis berusaha semaksimal mungkin agar bahasa dalam buku ini mudah dipahami

**Mikrotik Kung Fu : Kitab 3 Edisi Revisi** Rendra Towidjojo, 2023-05-29 Buku ini merupakan kelanjutan dari buku MikroTik Kung Fu Series Untuk MikroTik Kung Fu 3 ini pembahasan akan difokuskan pada manajemen bandwidth Semua itu tidak terlepas dari betapa pentingnya menerapkan manajemen bandwidth pada saat akan membangun jaringan Untuk Kitab 3 ini pembahasan akan difokuskan pada beberapa hal yaitu Konsep Quality of Service QoS Packet Flow Diagram RouterOS v6 dan v5 Classification packet dan marking packet yang disertai fitur content dan L7 Protocol Manajemen bandwidth dengan Simple Queue maupun Queue Tree Penggunaan

Per Connection Queuing PCQ sebagai salah satu metode queue selain First In First Out FIFO Konfigurasi queue saat jaringan menggunakan Internal Web Proxy maupun External Web Proxy biasanya masalah utama bukan karena bandwidth yang tidak cukup karena bandwidth tidak akan pernah cukup namun hanya masalah bagaimana anda bisa mengatur mana paket yang penting dan mana yang tidak mana yang perlu didahulukan dan mana yang tidak **Journal Mikrotik** Nikmah Daulae, S.Pd. MTA, 2021-02-16 Adapun materi yang dimuat dalam buku ini adalah Introduction mikrotik DHCP Bridging Routing Wireless Firewall QOS Tunnels Misc Buku ini merupakan panduan bagi SMK yang sudah memiliki mikrotik academy maupun yang belum Pembahasan pada buku ini berbentuk lab yang mudah dipahami oleh siswa khususnya anak SMK jurusan teknik computer jaringan Oleh sebab itu kami juga ingin menyampaikan rasa terima kasih yang sebesar besarnya kepada semua pihak yang telah membantu kami dalam pembuatan jurnal ini ICT Systems Security and Privacy Protection Lili Nemes Zlatolas, Kai Rannenber, Tatjana Welzer, Joaquin Garcia-Alfaro, 2025-05-15 The two volume set IFIP AICT 745 746 constitutes the refereed proceedings of the 40th IFIP International Conference on ICT Systems Security and Privacy Protection SEC 2025 held in Maribor Slovenia during May 21 23 2025 The 28 full papers and 7 workshop papers included in this book were carefully reviewed and selected from 127 submissions They were organized in topical sections as follows Privacy protection Industrial and Critical Infrastructure Security Applied Cryptography Data and Application Security and International Workshop on Network and Distributed Systems Security WNDSS 2025 *Internet Offline* Onno W. Purbo, 2024-08-28 Pada suatu hari di LEMHANAS Jakarta saat rapat untuk mencari solusi teknologi pendidikan untuk daerah 3T server Internet Offline dijalankan di ruang rapat tersebut Ternyata konsep ini mengejutkan cukup revolusioner bagi para pimpinan Republik Indonesia sehingga salah seorang deputi memberikan pernyataan pada penulis Pak Onno TIDAK MUNGKIN Wi Fi bisa dijalankan tanpa internet Bahkan para staf di sana bertanya tanya Pak Onno ini pakai operator apa Apakah kita membayar pulsa Buku berjudul *Internet Offline Solusi Daerah Blank Spot Rural dan 3T Handbook Series* ini menjelaskan secara detail teknik membuat server Internet Offline yang memungkinkan semua orang berinteraksi bahkan belajar menggunakan e learning perpustakaan digital melalui jaringan tanpa perlu internet tanpa perlu pulsa tanpa perlu kuota sama sekali Bahkan bagi sekolah yang tidak mau pusing kepala dipersilakan untuk mengopi USB flash disk berisi server Internet Offline yang bisa dijalankan di komputer biasa secara lokal di sekolah Cukup dengan mengganti ongkos kirim kembali USB flash disk yang dikirim ke penulis Semoga buku ini bisa membuka wawasan dan memberikan solusi bagi mereka yang berada di daerah pedesaan rural dan 3T Merdeka MikroTik HotSpot Server Rendra Towidjojo, 2024-12-15 Mengelola jaringan dan akses Internet dengan berbagai macam karakteristik pengguna user bukanlah perkara yang mudah Apalagi jika terdapat pengguna dengan kategori tidak biasa yang selalu menghabiskan resource jaringan Pekerjaan ini menjadi lebih rumit karena pada umumnya pengelolaan dilakukan berdasarkan IP Address maupun MAC Address dari perangkat yang digunakan pengguna Sehingga Administrator jaringan cenderung sulit untuk membedakan pemakaian akses Internet antara pengguna yang satu

dengan yang lainnya Hotspot Server merupakan salah satu fitur yang dimiliki oleh Router MikroTik yang ditujukan untuk mempermudah pengelolaan jaringan Saat Hotspot Server diaktifkan setiap pengguna harus memasukkan username dan password untuk bisa menggunakan akses jaringan maupun akses Internet Sehingga Administrator jaringan akan mudah melakukan pengelolaan jaringan karena mampu mengenali setiap pengguna berdasarkan username yang digunakannya Hotspot Server akan memberikan berbagai kemudahan pengelolaan jaringan Pengguna jaringan akan dapat dibatasi waktu aksesnya berapa lama akses Internet diberikan pembatasan kuota akses download maupun upload alokasi bandwidth untuk setiap pengguna akses Internet yang dapat dibedakan antar pengguna berapa banyak perangkat yang dapat digunakan dan berbagai fitur lainnya yang akan sangat memudahkan pekerjaan Administrator jaringan Buku ini merupakan buku yang membahas instalasi dan konfigurasi Hotspot Server Pembahasan akan dimulai dari sistem yang sangat sederhana sampai pada contoh skenario jaringan yang cenderung rumit Berbagai parameter konfigurasi Hotspot Server akan dibahas detail beserta hasil apa yang didapatkan jika parameter parameter tersebut diaktifkan Pada bagian akhir buku ini disertakan pembahasan User Manager yang umumnya digunakan sebagai pelengkap Hotspot Server Semua pembahasan fitur Hotspot Server akan disertai langkah dan contoh konfigurasi

Mikrotik MTCNA TEACHER M.Sigit Laksono, 2020-01-25 ini adalah ebook yang berisi 42 Lab tidak menerangkan teori secara mendalam yang terkesan membosankan isi workbook ini diambil dari kurikulum MTCNA Mikrotik Training Certified Network Associate yang terstruktur untuk yang ingin belajar dari dasar hingga advance materi terdiri dari introduction mikrotik firewall network management bridge wireless hotspot QoS Routing Dll buku ini dibuat oleh siswa kami yang sudah bersertifikat kelas advance Mikrotik yaitu MTCRE

FreeRADIUS Beginner's Guide Dirk Van der Walt, 2011-09-08 Manage your network resources with FreeRADIUS by mastering authentication authorization and accounting

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**INSTALLASI DAN KONFIGURASI PERANGKAT JARINGAN MIKROTIK** M. Taufik Nurhuda, S.Kom,2021-02-09 PEMBAHASAN SOAL UJI KOMPETENSI KEAHLIAN PAKET 4 TEKNIK KOMPUTER DAN JARINGAN TAHUN 2019

**Workbook Mikrotik MTCRE Full Lab** Yastril Ilyas,S.Kom,MTCINE,ACTR,2021-10-23 Buku ini disusun sesuai kebutuhan temen temen yang ingin berkarir di dunia routing engineer khususnya vendor mikrotik karena membahas dari sangat nol routing hingga advance routing protocol OSPF yang paling populer diunakan oleh perusahaan ISP apabila temen temen mencari teori pemahaman dasar mendetail Maka silahkan tutup buku ini kemudian mencari buku buku bertema konsep OSPF yang banyak di internet karena buku ini full lab routing Vlan dan Tunnel pembahasan tunnel sangat lengkap sesuai dengan best practise diindustri

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data table 1 1

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