



## 1. How to assign IP address with command line

On Mikrotik Router OS you can assign IP address by command line and interface. This is how to assign IP address with command line, please follow it.

```

Confirming configuration
[admin@MikroTik] > ip add add address=192.168.1.109/24 interface=ether1
[admin@MikroTik] > ip add add address=192.168.5.1/24 interface=ether2
[admin@MikroTik] > ip add print
Flags: X - disabled, I - invalid, D - dynamic
# ADDRESS NETWORK INTERFACE
0 :::: defconf 192.168.88.0 ether1
1 192.168.1.109/24 192.168.1.0 ether1
2 192.168.5.1/24 192.168.5.0 ether2
[admin@MikroTik] > _
  
```

Annotations in the image:

- default IP (points to the first row of the table)
- IP WAN (points to the second row of the table)
- IP LAN (points to the third row of the table)

## 2. Configure DHCP and DNS Server

The first of all, you should configure DNS. Please follow this pictures below.



# Mikrotik Router Documentation

**Xiaolong Qi**



## **Mikrotik Router Documentation:**

Learn RouterOS Dennis M. Burgess, 2010      *From Hacking to Report Writing* Robert Svensson, 2016-11-04 Learn everything you need to know to become a professional security and penetration tester. It simplifies hands-on security and penetration testing by breaking down each step of the process so that finding vulnerabilities and misconfigurations becomes easy. The book explains how to methodically locate exploits and professionally report security weaknesses using techniques such as SQL injection, denial of service attacks, and password hacking. Although *From Hacking to Report Writing* will give you the technical know-how needed to carry out advanced security tests, it also offers insight into crafting professional-looking reports describing your work and how your customers can benefit from it. The book will give you the tools you need to clearly communicate the benefits of high-quality security and penetration testing to IT management executives and other stakeholders. Embedded in the book are a number of on-the-job stories that will give you a good understanding of how you can apply what you have learned to real-world situations. We live in a time where computer security is more important than ever. Staying one step ahead of hackers has never been a bigger challenge. *From Hacking to Report Writing* clarifies how you can sleep better at night knowing that your network has been thoroughly tested. What you will learn: Clearly understand why security and penetration testing is important. Find vulnerabilities in any system using the same techniques as hackers do. Write professional-looking reports. Know which security and penetration testing method to apply for any given situation. Successfully hold together a security and penetration test project. Who This Book Is For: Aspiring security and penetration testers, security consultants, security and penetration testers, IT managers, and security researchers. *IAIC Transactions on Sustainable Digital Innovation (ITSDI) The 4th Edition Vol. 2 No. 2 April 2021* IAIC Transactions on Sustainable Digital Innovation (ITSDI), Dr. Ir. Untung Rahardja, M.T.I., MM, 2021-05-31 ITSDI IAIC Transactions on Sustainable Digital Innovation is a scientific journal organized by Pandawan Aptikom Publisher and supported by IAIC Indonesian Association on Informatics and Computing. ITSDI is published twice a year every April and October.      **Concepts, Applications, Experimentation and Analysis of Wireless Sensor Networks** Hossam Mahmoud Ahmad Fahmy, 2023-02-13 The third edition of this hands-on textbook pursues the focus on the principles of wireless sensor networks (WSNs), their applications, their protocols and standards, and their analysis and test tools. A meticulous care has been accorded to the definitions and terminology. To make WSNs felt and seen, the adopted technologies as well as their manufacturers are presented in detail. In introductory computer networking books, chapters sequencing follows the bottom-up or top-down architecture of the seven layers protocol. This book is some more steps after both horizontally and vertically; the view and understanding are getting clearer. Chapters ordering is based on topics significance to the elaboration of wireless sensor networks (WSNs) concepts and issues. This book is intended for a wide audience; it is meant to help and motivate for both the senior undergraduates, postgraduates, researchers, and practitioners. Concepts and WSNs-related applications are laid out, research and practical

issues are backed by appropriate literature and new trends are put under focus For senior undergraduate students it familiarizes with conceptual foundations applications and practical projects implementations For graduate students and researchers energy efficient routing protocols transport layer protocols and cross layering protocols approach are presented Testbeds and simulators provide a must follow emphasis on the analysis methods and tools for WSNs For practitioners besides applications and deployment the manufacturers and components of WSNs at several platforms and testbeds are fully explored [Internet Wireless Dan Hotspot](#) , **Linux Journal** ,2003-07 **The Mikrotik RouterOS WorkBook** David Gonzalez Herrera,2019-08-09 Do you want to learn Mikrotik RouterOS from Scratch and by easy to follow examples The Mikrotik RouterOS is here for you to achieve that just by reading the description and short description of the topic and then practice with laboratories Do you have a Mikrotik lying around and want to know what all the noise about this excellent and affordable networking equipment brand is all about Want to get comfortable with the Operating System and learn it from the inside out to then take any of the Mikrotik training classes and get certified Learn from the very basic such as accessing the device for the first time and build up knowledge and expertise create a MikroTik based network for home or office learn and deploy DHCP Server and Client services implement a firewall to secure your network setup a Wireless Access Point or client device learn and implement static and dynamic routing setup you own VPN client and server The Mikrotik RouterOS Workbook will fill the gaps that you might have it will become your companion when setting up or diagnosing Mikrotik networks No need to have a physical RouterBOARD at hand you can even learn using virtual environments except wireless section *e-Infrastructure and e-Services for Developing Countries* Karl Jonas,Ibris A. Rai,Maurice Tchente,2013-10-17 This book constitutes the thoroughly refereed post conference proceedings of the 4th International ICST Conference on e Infrastructure and e Services for Developing Countries AFRICOMM 2012 held in Yaounde Cameroon in November 2012 The 24 revised full papers presented were carefully reviewed and selected from numerous submissions The papers cover a wide range of topics in the field of information and communication infrastructures and are grouped in topical sections on e Infrastructure e Services e Society e Health and e Security *MikroTik Security Guide* Tyler Hart,2017-10-07 MikroTik Security Guide Second Edition is the definitive guide to securing MikroTik RouterOS and RouterBOARD devices It s built around industry best practices legal and compliance standards and lessons learned by the author during years of auditing and consulting engagements Links to industry standard best practices and STIG documentation are included to help enhance your MikroTik network security program Topics include physical and wireless security locking down IP services managing users configuring firewalls segmentation with VLANs and more Chapters include simple to follow descriptions of how and why steps are performed and easy copy paste commands you can run directly on your RouterOS devices Many of the topics included in the guide also correspond with MikroTik s MTCNA certification outline so it s great for on the job use and professional development **RouterOS by Example** LearnMikroTik.com,Stephen R. W. Discher,2011-10-01 **Best**

**Practice Installing, Configuring, Managing Mikrotik RouterOS** Nathan Gusti Ryan, 2018-03-27 Router adalah sebuah perangkat komputer jaringan yang memiliki fungsi khusus sebagaimana disebutkan diatas Sebagaimana halnya komputer ini router juga berjalan diatas sebuah sistem operasi khusus Salah satu sistem operasi router yang populer digunakan saat ini adalah Mikrotik RouterOS Mikrotik sesuai dengan visinya yaitu ROUTING THE WORLD saat ini benar benar telah diakui sebagai Router yang sangat handal dan sangat lengkap fiturnya serta sangat mudah konfigurasinya Namun tidak sedikit dari pengguna Mikrotik ini menanggalkan Mikrotik dan kembali ke Jaringan NATURAL bukan karena Mikrotik nya yang tidak handal atau Mikrotik nya yang Bego melainkan SDM mereka sendiri yang masih kurang dalam memahami dan mendalami fungsi serta teknis konfigurasi Mikrotik itu sendiri So belajarlh agar anda lebih expert menguasai Mikrotik ini Termasuk rekan rekan yang ingin profesional dibidang IT Networking System kerja di ISP maupun di Telco Siapkan skill anda dengan keahlian Mikrotik Administrator yang handal

**Theory, Laboratories and Exercises for Mikrotik RouterOS Routing** Vittore Zen, 2019 If you want to start exploring topics such as advanced routing VLAN OSPF BGP MPLS IPsec It is written to investigate the themes of routing through the RouterOS system used in Mikrotik products At the same time this book aims to be a concrete preparation for the Mikrotik Certified Routing Engineer MTCRE exam and the opportunity to study advanced routing as a fundamental tool for solving real cases Provided by Amazon [Mikrotik Switching with LABS](#) Maher

Haddad, 2021-03-23 Not long time ago Mikrotik has started introducing its switches to the market After having a long record with Mikrotik routers the demand for Mikrotik switches has increased a lot For this reason Mikrotik made a complete course speaking only about switching The course name is Mikrotik Certified Switching Engineer MTCSWE This course has been introduced on the market in the year 2020 so it is a very new course As switching on Mikrotik is a new topic there are not a lot of resources on the internet to cover all the Switching details that s the reason why I have decided to build up a course to speak about Mikrotik Switching in details So from 1 side I cover all switching topics needed to be implemented in a production network and from the other side I make you prepared for the MTCSWE exam Topics that will be included in this course are MTU VLAN STP Link Aggregation Port Isolation L2 QOS L2 Security PoE Tools SwOSOf course in each of the topic there will be many sub topics I hope you will enjoy the book and in case you have any suggestion advise you can always contact me on info mynetworktraining com [TP-Link Smart WiFi Router Dual Band Gigabit Wireless - User Manual](#) Router

Link, 2019-04-22 User Guide AC1750 wifi router wireless router One of routers for wireless internet wireless routers for home Dual band router and gigabit router Ideal as internet router also gaming router Long range coverage with high speed Compatible with all 802 11ac devices and below 5ghz router 5g router

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