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Using Pcc Routeros Mum
Mikrotik

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How to Setup Load Balancing using
PCC on Mikrotik V13 - The Easy Way
To Load Balance and Failover 2 WAN
, 3 WAN , 4 WAN or More - Mikrotik
LB MikroTik Tutorial 30 - 2 WAN 3
LAN 1 Local Bridge Load Balancing
using PCC method

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MikroTik - Load Balancing / Mangle
deep dive Mikrotik 4WAN Auto Load
balancing with script MikroTik Dual
WAN Load Balancing with Failover
using PCC Method MikroTik Tutorial
36 - Load balancing and failover with
multiple gateways (2 WAN Links) Dual
WAN Load Balancing Router using

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Mikrotik with PCC Method- Mikrotik
WiFi Hotspot setup MikroTik Load
Balancing with Auto Failover | 3 WAN
Static IP + 1 LAN MikroTik Load
~~Balancing with Failover using Policy~~
~~Based Routing MikroTik Load~~
Balancing Tutorial With Speed Test
100 Mbps Bandwidth Tagalog

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Version: Mikrotik Load balancing with failover using PPC Double or Triple Your Internet Speed - This Method Actually Works! Edge Router Dual WAN Failover and Load Balancing ~~Mikrotik Load Balancing 2 Wan With Speed Test~~ Mikrotik Tutorial no. 35 - PBR (Policy Based Routing) based

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Load Balancing Mikrotik Load
Balancing(ECMP Method) 2

WANs(Static IP) Mikrotik Load
Balancing(PCC Method) 2

~~WANs(Static IP) How to configure
Auto Failover by MikroTik Router~~

~~Troubleshooting load balancing~~

~~Mikrotik : Dual WAN PPPoE setup~~

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How To configure Two Wan
Connection Bonding in Mikrotik

MikroTik Dual Wan and Load
Balancing with Auto Failover [Tagalog]
Load Balance PCC on Unbalanced
Internet Connection with QoS Support

MikroTik Load Balancing and Link
Redundancy Configuration over Dual

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WAN using PCC | Part-25 MikroTik
Dual WAN PCC Load Balancing with
PPPoE Server MikroTik DUAL WAN
Load Balancing with Failover using
ECMP MikroTik Load Balancing with 2
PPPoE and 1 Static WAN using ECMP
Mikrotik Lecture 66: Load Balancing 4
ISP WAN on 1 separated LAN Using

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PCC Network Load Balancing
workshop by RouterOS

Load Balancing Using Pcc Routeros
Understanding the PCC Load
Balancing Solution 1. Packet - The
container for our data, header and
payload. 2. Connections - "Conduit"
through which host to host

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communication occurs, based on Src/Dst addresses and ports 3. Mangle Facility - Firewall function within RouterOS that allows you to create a mark which is then associated with packets

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Load Balancing Using PCC & RouterOS - MikroTik

Create the marked default routes. /ip
route add dst-address=0.0.0.0/0
gateway=192.168.0.1 check-
gateway=ping distance=1 routing-
mark=ether2-mark add dst-
address=0.0.0.0/0

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gateway=192.168.8.1 check-
gateway=ping distance=1 routing-
mark=ether3-mark. so, that's it for
PCC load balancing.

Load balancing using PCC &
RouterOS - Startseite

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It begins with adding the gateways. Configure larger distance value for the secondary one, and check-gateway for the first one: /ip route add gateway=192.168.1.1 distance=1 check-gateway=ping /ip route add gateway=192.168.2.1 distance=2. The first gateway will begin as it's distance

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is smaller (default 1); the check-gateway will make sure it is up.

Load Balancing - RouterOS - MikroTik
Documentation

PCC takes selected fields from IP
header, and with the help of a hashing

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Mikrotik algorithm converts selected fields into a 32-bit value. This value then is divided by a specified Denominator, and the remainder then is compared to a specified Remainder, if equal then the packet will be captured.

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Load-balance using PCC in MikroTik
RouterOS v 6.xx ...

Use src-address as classifier, this way
you will get rid of problems like
https/broken link, streaming issues etc
(due to ip changing on each request) .
Load balancing using this PCC
technique (src-address) requires that

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Mikrotik users must be hitting the PCC box directly (either dhcp/ppp server etc). In this method user will be tagged with specific WAN link once connected with the mikrotik.

Mikrotik 4 WAN Load Balancing using

Page 19/41

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PCC method. IT ...

PCC takes selected fields from IP header, and with the help of a hashing algorithm converts selected fields into 32-bit value. This value then is divided by a Denominator then is compared to a specified Remainder, if equal then packet will be captured.

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NETWORK LOAD BALANCING
WORKSHOP BY ROUTEROS

MikroTik Load Balancing and Link
Redundancy Configuration over Dual
WAN using PCC. We will now
configure PCC Load Balancing with

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failover according to our above network diagram. Complete configuration can be divided into the following four parts. MikroTik Router basic configuration; Creating Mangle rule; Policy based routing configuration; NAT configuration

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MikroTik Dual WAN Load Balancing
with Failover using PCC ...

Part 1: MikroTik PCC Load Balancing
Configuration over DUAL WAN. In first
part, we will do PCC Load Balancing
and Link Redundancy configuration.
Complete PCC load balancing

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configuration includes assigning WAN IP, creating mangle rule, policy based routing configuration and NAT configuration. We will now perform these tasks in our MikroTik Router.

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Balancing with PPPoE Server ...

It begins with adding the gateways.

Set bigger distance value for the secondary one, and check-gateway for the first one: /ip route add

gateway=192.168.1.1 check-

gateway=ping /ip route add

gateway=192.168.2.1 distance=2.

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That's all, there are no more steps!
The first gateway will begin as it's distance is smaller (default 1); the check-gateway will make sure it's up; when the ping will fail, it will disable the first gateway and the second will take over; when first one comes up, it will ...

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Load Balancing - MikroTik Wiki

PCC is available in RouterOS since v3.24. This option was introduced to address configuration issues with load balancing over multiple gateways with masquerade. Previous configurations:

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ECMP load balancing with masquerade. NTH load balancing with masquerade. NTH load balancing with masquerade (another approach) Note: PCC setups is not designed to work if RP Filter is enabled.

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Manual:PCC - MikroTik Wiki

Load Balancing With Per Connection Classifier PCC matcher will allow you to divide traffic into equal streams with the ability to keep packets with a specific set of options in one particular stream (you can specify this set of options from src-address, src-port, dst-

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Firewall Marking - RouterOS -
MikroTik Documentation

This is my ongoing work at using
multiple ADSL services and the
Mikrotik PCC rules along with some

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inbound mangling to allow a single router to load balance traffic across as many non bonded links as required.

Updated: 7th Jan 2010 - notes: added

...

Using PCC to load balance across ... -

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MikroTik-RouterOS.com

Load Balancing used to the MikroTiK
(PCC Method) December 13, 2019

MikroTik load balancing is a technique for distributing traffic loads on two or more connection lines in a balanced way, so that traffic can run optimally, maximizing throughput, minimizing

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MikroTik response times and avoiding overloading on one of the connection lines.

Load Balancing used to the MikroTiK
(PCC Method) | Idnetworks

Note that none of this config requires

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the use of IP addresses at all, as it simply uses the pppoe-client interfaces and your lan interface to mark traffic.

In my example

wan1-pppoe,wan2-pppoe,wan3-pppoe are used and lan. Continue reading Using PCC to load balance across multiple non bonded links. □

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load-balancing | The (unofficial)
Mikrotik site
Register; MikroTik Community
discussions. Home; Forum index;
RouterOS

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NTH load balancing - MikroTik
ECMP method provides an easily
configurable load balancing with
failover solution but it has some known
issues too in a large network. On the
hand, PCC provides 100% reliable
load balancing and link redundancy

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MikroTik solution but the configuration is a little bit complex.

MikroTik Dual WAN Load Balancing
with Failover using PCC ...

Load balancing using this PCC
technique (src-address) requires that

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Mikrotik users must be hitting the PCC box directly (either dhcp/ppp server etc). In this method user will be tagged with specific WAN link once connected with the mikrotik. This way till his online session he will stick to that particular wan link.

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Mikrotik 4 WAN Load Balancing using
PCC method. Complete ...

NZ"load balancing using pcc amp
routeros mikrotik june 15th, 2018 -
author of the book "routeros by
example" there are several methods
to provide load balancing in routeros

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options 17/ 65. available example
options available' 'MikroTik RouterOS
v3 0 Reference Manual June 13th,
2018 - MikroTik

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