

dhcp

Dynamic Host Configuration Protocol

https://en.wikipedia.org/wiki/Dynamic_Host_Configuration_Protocol#Discovery

Bootstrap Protocol

https://en.wikipedia.org/wiki/Bootstrap_Protocol

Comparison of DHCP server software

https://en.wikipedia.org/wiki/Comparison_of_DHCP_server_software

bootp

Dynamic Host Configuration Protocol (DHCP) and Bootstrap Protocol (BOOTP) Parameters

<https://www.iana.org/assignments/bootp-dhcp-parameters/bootp-dhcp-parameters.xhtml>

DHCP Next Server Option

<https://tools.ietf.org/html/draft-ietf-dhc-nextserver-02>

dhcp clusters

A Basic Guide to Configuring DHCP Failover

<https://kb.isc.org/docs/aa-00502>

Can I have multiple DHCP servers on one network?

<https://serverfault.com/questions/368512/can-i-have-multiple-dhcp-servers-on-one-network>

How does a client choose between two DHCP servers in the same network?

<https://serverfault.com/questions/904055/how-does-a-client-choose-between-two-dhcp-servers-in-the-same-network>

dhcp security

Rogue DHCP

https://en.wikipedia.org/wiki/Rogue_DHCP

DHCP snooping

https://en.wikipedia.org/wiki/DHCP_snooping

AAA (computer security)

[https://en.wikipedia.org/wiki/AAA_\(computer_security\)](https://en.wikipedia.org/wiki/AAA_(computer_security))

ip6

IPv6 Certifications

<https://ipv6.he.net/certification/>

IP Transit

https://he.net/ip_transit.html?p=linkedin.com

IPv6 transition mechanism

https://en.wikipedia.org/wiki/IPv6_transition_mechanism

ip6 linux setup

accept_ra

https://sysctl-explorer.net/net/ipv6/accept_ra/

accept_ra_pinfo

https://sysctl-explorer.net/net/ipv6/accept_ra_pinfo/

autoconf

<https://sysctl-explorer.net/net/ipv6/autoconf/>

lab - ipv6

6to4.sh – ipv6 bash script

<https://linux.altervista.org/blog/2019/01/09/6to4-sh-ipv6-bash-script/>

gif – generic tunnel interface

<https://man.netbsd.org/gif.4>

gre – encapsulating network device

<https://man.netbsd.org/gre.4> → MTU of greX interfaces is set to 1476

How to configure IPv6 address in Windows

<https://www.computernetworkingnotes.com/networking-tutorials/how-to-configure-ipv6-address-in-windows.html>

vpn

Layer 2 VPN Architectures

<https://books.google.ru/books?id=yBL6wF0oFIsC>

kame

The KAME project

<http://www.kame.net/>

setkey – manually manipulate the IPsec SA/SP database

<https://man.netbsd.org/setkey.8>

IPsec-Tools

<http://ipsec-tools.sourceforge.net/>

ipsec

How to use this guide to configure an IPsec VPN

https://help.fortinet.com/fos60hlp/60/Content/FortiOS/fortigate-ipsecvpn/IPsec_VPN_Overview/How_to_Use_this_Guide.htm

IPsec VPN concepts

https://help.fortinet.com/fos50hlp/54/Content/FortiOS/fortigate-ipsecvpn-54/IPsec_VPN_Concepts/VPN_concepts.htm

IPsec VPN with FortiClient

<https://docs.fortinet.com/document/fortigate/6.0.0/cookbook/589121/ipsec-vpn-with-forticlient>

Manual:IP/IPsec

<https://wiki.mikrotik.com/wiki/Manual:IP/IPsec>

IP Encapsulating Security Payload

<https://tools.ietf.org/html/rfc2406> → no automated recovery page 18

IP Encapsulating Security Payload (ESP)

<https://tools.ietf.org/html/rfc4303>

ike

Internet Key Exchange

https://en.wikipedia.org/wiki/Internet_Key_Exchange

IKE

<https://tools.ietf.org/html/rfc2409>

IKEv2

<https://tools.ietf.org/html/rfc4306#page-22> → rekeying page 22

IKEv2bis

<https://tools.ietf.org/html/rfc5996>

IKEv2 reauthentication

<https://apps.juniper.net/feature-explorer/feature-info.html?fKey=7267&fn=IKEv2%20reauthentication>

Expiry and Replacement of IKE and IPsec SAs

<https://wiki.strongswan.org/projects/strongswan/wiki/ExpiryRekey>

Defining IKE negotiation parameters

https://help.fortinet.com/fos50hlp/54/Content/FortiOS/fortigate-ipsecvpn-54/Phase_1/Defining_IKE_Negotiation.htm

no ike

Changed manual key configuration for IPsec

<http://www.kame.net/newsletter/19991007/>

Configuring KAME for IPsec: manual keying

<http://www.kame.net/newsletter/19980626/>

IPSec Manual Keying Between Routers Configuration Example

<https://www.cisco.com/c/en/us/support/docs/security-vpn/ipsec-negotiation-ike-protocols/14140-manual.html>

Technical Tip: IPSec with no IKE, manual key

<https://kb.fortinet.com/kb/documentLink.do?externalID=FD45613>

Configuring IPsec Using Manually Keyed Security Associations

<https://techdocs.f5.com/en-us/bigip-14-1-0/big-ip-tmos-tunneling-and-ipsec-14-1-0/configuring-ipsec-using-manually-keyed-security-associations.html>

mtu vs. vpn

11.18. TCPMSS target

https://www.linuxtopia.org/Linux_Firewall_iptables/x4700.html

15.7. Circumventing Path MTU Discovery issues with MSS Clamping (for ADSL, cable, PPPoE & PPTP users)

<https://tldp.org/HOWTO/Adv-Routing-HOWTO/lartc.cookbook.mtu-mss.html>

О PPPoE, MTU и проблеме Path MTU Discovery Black Hole (pppoe mtu)

https://www.opennet.ru/base/net/pppoe_mtu.txt.html

products

Cisco 900 Series Integrated Services Routers FAQ

<https://www.cisco.com/c/en/us/products/collateral/routers/900-series-integrated-services-routers-isr/q-and-a-c67-741630.html>

I3 products – commercial

Software

<https://mikrotik.com/download>

I3 products – foss

NVIDIA Cumulus Linux

<https://cumulusnetworks.com/products/cumulus-linux/>

I3 products – small & medium

m0n0wall

<https://en.wikipedia.org/wiki/M0n0wall>

pfSense

<https://en.wikipedia.org/wiki/PfSense>

OPNsense

<https://en.wikipedia.org/wiki/OPNsense>

nat & firewall - linux

Netfilter Workshop 2018 Berlin summary

<https://ral-arturo.org/2018/06/16/nfws2018.html>

TLUG Talk: Netfilter - AN!Wiki

https://www.alteeve.com/w/TLUG_Talk:_Netfilter

Enable iptables on one interface - Server Fault

<https://serverfault.com/questions/244767/enable-iptables-on-one-interface>

Iptables Stateful Firewall and NAT Routing | fabiobaltieri

<https://fabiobaltieri.com/2011/09/12/iptables-firewall-nat/>

How does IP Masquerade Work?

<https://tldp.org/HOWTO/IP-Masquerade-HOWTO/ipmasq-background2.5.html>

Linux NAT(Network Address Translation) Router Explained

<https://www.slashroot.in/linux-nat-network-address-translation-router-explained>

Quick-Tip: Linux NAT in Four Steps using iptables

<https://www.revsys.com/writings/quicktips/nat.html>

howtoforge nat iptables https://www.howtoforge.com/nat_iptables

NAT with Linux and iptables - Tutorial (Introduction)

https://www.karlrupp.net/en/computer/nat_tutorial

How to Set Up Gateway Using iptables and route on Linux - SysTutorials

<https://www.systutorials.com/setting-up-gateway-using-iptables-and-route-on-linux/>

dnat - linux

Forward a TCP port to another IP or port using NAT with Iptables | Jensd's I/O buffer

<http://jensd.be/343/linux/forward-a-tcp-port-to-another-ip-or-port-using-nat-with-iptables>

linux - iptables error: unknown option -dport - Server Fault

<https://serverfault.com/questions/563033/iptables-error-unknown-option-dport>

Understanding Port Forwarding- Beginners Guide

<https://stevesmarthomeguide.com/understanding-port-forwarding/>

nat - obsd

OpenBSD PF: Getting Started

<https://www.openbsd.org/faq/pf/config.html>

Building the Network You Need with OpenBSD's PF

<https://home.nuug.no/~peter/pf/bsdcan2014/>

nat - nbsd

NPF improvements

https://wiki.netbsd.org/projects/project/npf_improvements/

NetBSD NPF часть №1 — Dreamcatcher.ru

<http://dreamcatcher.ru/2014/09/16/netbsd-npf/>

NetBSD desktop pt.3: simple stateful firewall with NPF - NetBSD - UnitedBSD - BSD forum
<https://archive.unitedbsd.com/t/netbsd-desktop-pt-3-simple-stateful-firewall-with-npf/286>

rmind/npf: NPF: packet filter with stateful inspection, NAT, IP sets, etc.
<https://github.com/rmind/npf/>

load-balance

Load Balancing
<https://forum.mikrotik.com/viewtopic.php?t=32737>

Load Balance Incoming Connections
<https://www.openbsd.org/faq/pf/pools.html#incoming>

PF - Packet Filtering
<https://www.openbsd.org/faq/pf/filter.html>
