<https://blog.qinnovate.biz/permalink/27bd5b11-597a-4984-bca9-b565aaa1bd24>

# Setup-alpine

Keyboard layout: no (no)

System hostname: evenquiz

Interface: eth0 – ip address: dhcp

Manual network configuration: no

Root password: F4CmfK\*Vok

Timezone: Europe/Oslo

HTTP/FTP proxy URL: none

NTP client: chrony

Mirror: (f)->ftpmirror2.infania.net

SSH server: openssh

Disk: sda->sys

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Add hvtools – hyper-v tools

<https://docs.microsoft.com/en-us/virtualization/hyper-v-on-windows/reference/integration-services>

# Firewall

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apk add ip6tables iptables awall

modprobe -v ip\_tables   
modprobe -v ip6\_tables   
modprobe -v iptable\_nat

rc-update add iptables

rc-update add ip6tables

Policy folder /etc/awall/optional

Default.json

{

"description": "Default awall policy to protect Apache server",

"variable": { "internet\_if": "eth0" },

"zone": {

"internet": { "iface": "$internet\_if" }

},

"policy": [

{ "in": "internet", "action": "drop" },

{ "action": "reject" }

]

}

Ssh.json

{

"description": "Allow incoming SSH access (TCP/22)",

"filter": [

{

"in": "internet",

"out": "\_fw",

"service": "ssh",

"action": "accept",

"conn-limit": { "count": 3, "interval": 60 }

}

]

}

Legge til "src": "1.2.3.4", for å limite til en spesifik ip addresse

Apache.json

{

"description": "Allow incoming Apache HTTP/HTTPS (TCP/80 and 443) ports",

"filter": [

{

"in": "internet",

"out": "\_fw",

"service": [ "http", "https"],

"action": "accept"

}

]

}

Awall list for å se active policies og awall diable/enable for å skru de av og på

Iptables

**iptables -A INPUT -p tcp --dport 22 -j ACCEPT – allow ssh**

**iptables -A INPUT -p tcp --dport 80 -j ACCEPT – allow http**

**iptables -A INPUT -p tcp --dport 443 -j ACCEPT – allow https**

-A INPUT -m state --state NEW -m tcp -p tcp --dport 80 -j ACCEPT

-A INPUT -m state --state NEW -m tcp -p tcp --dport 443 -j ACCEPT

iptables -P INPUT DROP

iptables -P FORWARD DROP

iptables -P OUTPUT DROP

# SSH

Remote user

GECOS: remote user

Username: hur2a

Password: Zp7st3xCYYP%

Ingen access til firewall

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Apk add openssh

Rc-update add sshd

# Apache

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Apk add apache2

# Git

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Apk add git

Ssh-keygen -t ed25519 -C “[tibaa003@osloskolen.no](mailto:tibaa003@osloskolen.no)”

/home/hur2a/.ssh/id\_ed25519

Passphrase: Hf&&jWUs3Kac

Hur2a access til apache htdocs folder

Hvordan oppdatere side:

cd /var/www/localhost/htdocs/terminoppg

git fetch

git pull

# PHP

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cat > /etc/apk/repositories << EOF

http://dl-cdn.alpinelinux.org/alpine/v$(cat /etc/alpine-release | cut -d'.' -f1,2)/main

http://dl-cdn.alpinelinux.org/alpine/v$(cat /etc/alpine-release | cut -d'.' -f1,2)/community

EOF

Inkluderer php

Apk add php8 php8-common php8-apache2 php8-session php8-mysqli

/etc/apache2/httpd.conf

ServerName [www.evenquiz.com:80](http://www.evenquiz.com:80)

DocumentRoot “/var/www/localhost/htdocs”

<Directory “/var/www/localhost/htdocs”>

DirectoryIndex index.php

# Internet

Setup-interfaces

Eth0

DHCP

Eth1

Ip addr: 1.1.1.2

Netmask: 255.255.255.0

Gateway: none

# Files

Chown -R hur2a: /var/www/localhost/htdocs/

Chmod -R 777 /var/www/localhost/htdocs/

# Config.php

DB\_SERVER = 1.1.1.1

DB\_USERNAME = 3s33T

DB\_PASSWORD = o78V4T835KU6

DB\_NAME = evenquiz