



ZFS Small Server Configuration

Serge Y. Stroobandt

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TODO: This document requires a rewrite to reflect the Ansible configuration management currently in use.

Ansible

A single [Ansible](#) playbook is used to install the pertaining applications and to manage the configuration files on all my computers, according to their roles. This works much better than `apt install` scripts and offers ample opportunity for commenting. Some [YAML](#) excerpts of my playbook are shared below.

Mount script for SSHFS clients

Here is a bash script to mount the server through [SSHFS](#) on whatever client computer. It gets executed at login, in my case by specifying the script in Xubuntu's Session and Startup → Application Autostart. However, the script can also be run manually, for example after connecting to a mobile network.

```
# !/usr/bin/env bash

mountpoint="/$server/$USER"

options=' -o reconnect -o cache=yes -o kernel_cache -o compression=yes -o
large_read'
options+=" -o idmap=file -o uidfile=$HOME/.uidfile -o gidfile=$HOME/.gidfile
-o nomap=ignore"

{ sshfs $server:/home $mountpoint -p 22 $options > /dev/null 2>&1 && echo -e
'\nThe server is now mounted over LAN.\n'; } || \
{ sshfs $roam:/home $mountpoint -p 443 $options && echo -e '\nThe server is
now mounted over WAN.\n'; }
```

The optimisation parameters are from the following [article and tests](#). As a requisite, the administrator needs to create a `/$server/$USER` mount point directory for every user on the client system.

/etc/ssh/sshd_config



Nokia Asha 210

The antiquated [J2ME](#) application [MidpSSH](#) for the not so smart but beloved [feature phones](#) is still available from [boostapps.com](#). However, recent OpenSSH versions require manually enabling potentially unsafe legacy algorithms and ciphers. Nonetheless, a privacy respecting, virtually undestructible 2.5G mobile SSH terminal with an ergonomic tactile keyboard and [1104 hours standby time](#) on a single battery charge remains to this day [hard to beat...](#)

```
---
- name: 'Legacy support for MidpSSH'
  blockinfile:
    path: /etc/ssh/sshd_config
    insertafter:
    block: |
      # Legacy support for MidpSSH
      KexAlgorithms +diffie-hellman-group1-sha1
      HostKeyAlgorithms +ssh-dss
      Ciphers +3des-cbc
      PubkeyAcceptedKeyTypes +ssh-dss
  notify: restart ssh
- meta: flush_handlers
```

Note to myself: The [Nokia Asha 210](#) requires [MidpSSH Polling I/O](#) and is used with the [linux terminal type](#).



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