

Minecraft Server petit-mc

Für Almalinux Host gebaut, mit Datenverzeichnis gemountet auf /srv.

Used Files

File	Anmerkung
playbooks/files/petit_mc/mcrcon	https://github.com/Tiiffi/mcrcon/releases/tag/v0.7.2
playbooks/files/petit_mc/service-helper.sh	Helper-Script für Systemd Dienst
playbooks/templates/petit-mc.mc-service.jinja	Systemd-Unit File
playbooks/templates/petit-mc.smb.conf.jinja	Samba-Config
host_vars/petit_mc	Variablen für SMB-User (verschlüsselt)

Playbook

```
---
- hosts: petit_mc
  become: false

  tasks:
    - name: minecraft user
      ansible.builtin.user:
        name: minecraft
        state: present
        home: /srv/minecraft/

    - name: add ssh key
      ansible.posix.authorized_key:
        user: minecraft
        key: "ssh-rsa
        AAAAB3NzaC1yc2EAAAADAQABAAQCsLI18nShd47L6o4dL2sIbhJA1WdXXc7BBSqhs1TBMVziY60BazW2jxxU0eN+Wi3
        RYEu0Ud3xt6f56m6NgB96MxvRbfhD06FCetrEzEX/k7yWRVlvyM0SX0RjTr2UWPq0pXmLvbp0vTX4m4+rhpXLXJ1FB/jiZ
        GNYvQEXot8PFTkMBdP0rHsdXiHhJvJy8Y/jDoErrCrK+Yger9ziCeskr3t/KET1nD6e/g4lQwVr7YftMw9s/0RiSVU4VQn
        UHjMiyXMpg8SD54YkmaQ8TJ14dQ3LVvMjXNGhg3fmmmxQMwot64oLe5HvNJigmKDFYxUzQuX8Ba2zAcnvHkLp/RpVB
        krume@YatagarasuDrive"

    - name: install required packages
      block:
```

```
- name: install java openjdk 17
  ansible.builtin.dnf:
    name: java-17-openjdk-headless.x86_64
    state: latest

- name: install firewalld
  ansible.builtin.dnf:
    name: firewalld
    state: latest

- name: install firewalld python module
  ansible.builtin.dnf:
    name: python3-firewall.noarch
    state: latest

- name: install samba
  ansible.builtin.dnf:
    name: samba.x86_64
    state: latest

- name: setup the minecraft server service
  block:
    - name: create directories
      ansible.builtin.file:
        path: /srv/minecraft/{{ item }}
        state: directory
        owner: minecraft
      with_items:
        - tools
        - server

    - name: copy over mcrcon
      ansible.builtin.copy:
        src: petit_mc/mcrcon
        dest: /srv/minecraft/tools/mcrcon
        owner: minecraft
        mode: '0755'

    - name: copy the service helper script
```

ansible.builtin.copy:

src: petit_mc/service-helper.sh
dest: /srv/minecraft/server/run.sh
owner: minecraft
mode: '0755'

- name: template out the unit file

ansible.builtin.template:

src: petit-mc.mc-service.jinja
dest: /etc/systemd/system/minecraft.service
owner: root
mode: '0644'

- name: start minecraft server service (or try to)

ansible.builtin.systemd:

name: minecraft.service
state: started
enabled: yes
daemon_reload: yes

- name: allow the user minecraft control over the minecraft service

community.general.sudoers:

name: minecraft service control
user: minecraft
commands:

- /bin/systemctl start minecraft.service
- /bin/systemctl stop minecraft.service
- /bin/systemctl restart minecraft.service
- /bin/journalctl -u minecraft.service
- /bin/journalctl -u minecraft.service -f

nopassword: true

- name: setup samba

block:

- name: template out smb config

ansible.builtin.template:

src: petit-mc.smb.conf.jinja
dest: /etc/samba/smb.conf
owner: root

mode: '0644'

- name: configure samba users

shell: >

(pdbedit --user={{ item.username }} 2>&1 > /dev/null)

|| (echo '{{ item.password }}'; echo '{{ item.password }}')

| smbpasswd -s -a {{ item.username }}

register: smbpasswd

changed_when: "'Added user' in smbpasswd.stdout"

with_items: "{{ samba_users }}"

loop_control:

label: "{{ item.username }}"

- name: (re)start the smb service

ansible.builtin.systemd:

name: smb.service

state: restarted

- name: configure firewalld

block:

- name: ssh-port

ansible.posix.firewalld:

service: ssh

permanent: yes

state: enabled

- name: minecraft-port

ansible.posix.firewalld:

port: 25501/tcp

permanent: yes

state: enabled

- name: samba-ports

ansible.posix.firewalld:

service: samba

permanent: yes

state: enabled

- name: start firewalld

```
ansible.builtin.systemd:
  name: firewalld.service
  state: started
```

playbooks/files/petit_mc/service-helper.s

```
#!/bin/bash
# don't touch me, i'm needed to make the service run!
cd $MCSERVER_WORKDIR
pwd
bash -c $(pwd)/$MCSERVER_COMMAND
```

playbooks/templates/petit-mc.mc-service.jinja

```
[Unit]
Description=Minecraft Server
Documentation=

Wants=network.target
After=network.target

[Service]
User=mincraft
Group=mincraft
Nice=5
EnvironmentFile=-/srv/mincraft/service.conf
KillMode=none
SuccessExitStatus=0 1

ProtectHome=true
ProtectSystem=full
PrivateDevices=true
NoNewPrivileges=true
PrivateTmp=true
InaccessibleDirectories=/root /sys -/opt /media -/lost+found
ReadWriteDirectories=/srv/mincraft/server
WorkingDirectory=/srv/mincraft/server
ExecStart=/srv/mincraft/server/run.sh
ExecStop=/srv/mincraft/tools/mcrcon -H localhost -P ${MCSERVER_RCONPORT} -p
${MCSERVER_RCONPASS} stop

[Install]
```

```
WantedBy=multi-user.target
```

playbooks/templates/petit-mc.smb.conf.jinja

```
# See smb.conf.example for a more detailed config file or
# read the smb.conf manpage.
# Run 'testparm' to verify the config is correct after
# you modified it.
```

```
[global]
```

```
workgroup = WORKGROUP
```

```
security = user
```

```
passdb backend = tdbsam
```

```
netbios name = petit-mc
```

```
wins support = yes
```

```
[minecraft]
```

```
valid users = minecraft
```

```
path = /srv/minecraft
```

```
read only = no
```

host_vars/petit_mc

```
samba_users:
```

```
- username: minecraft
```

```
password: *****
```

Revision #5

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