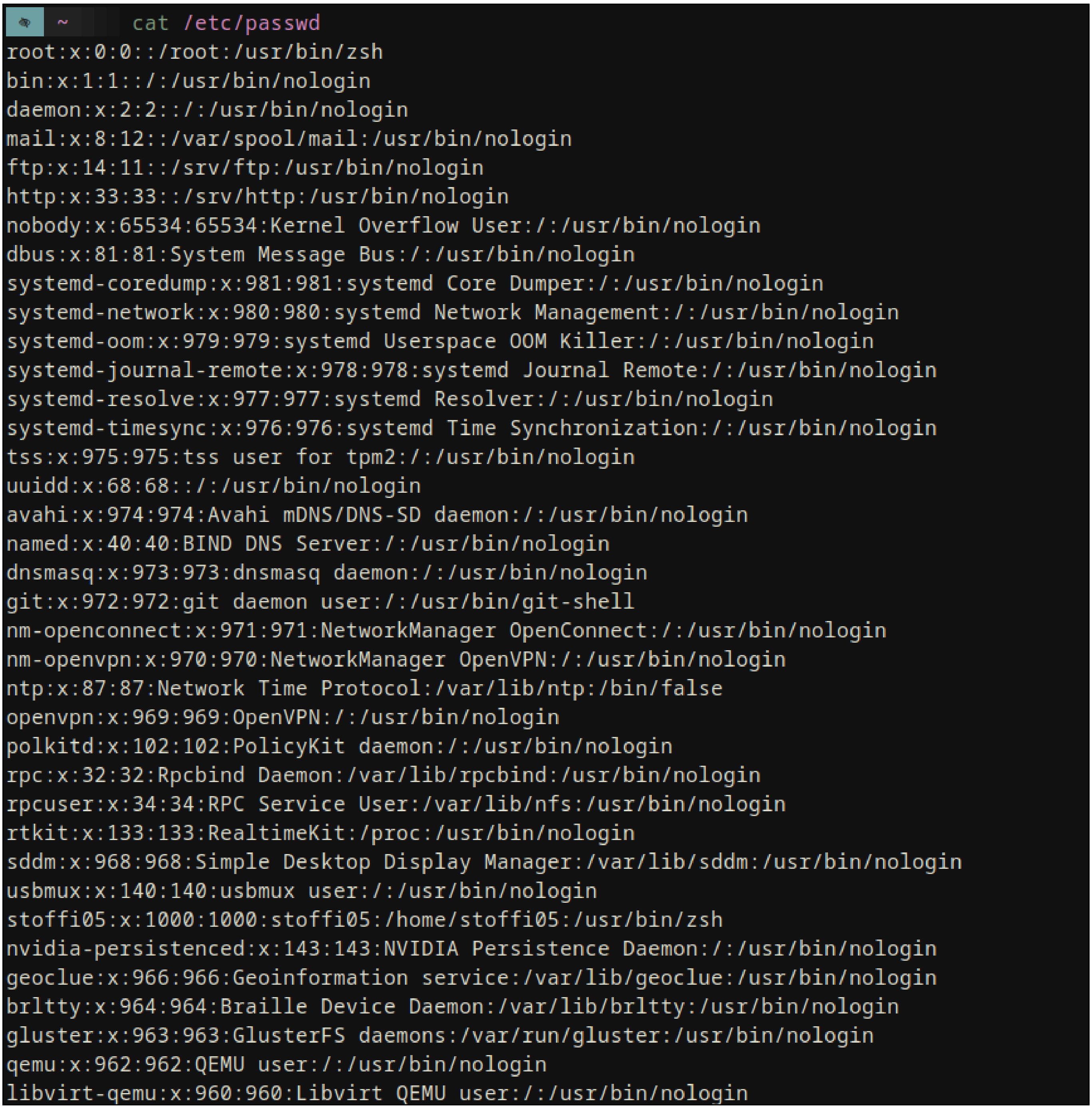
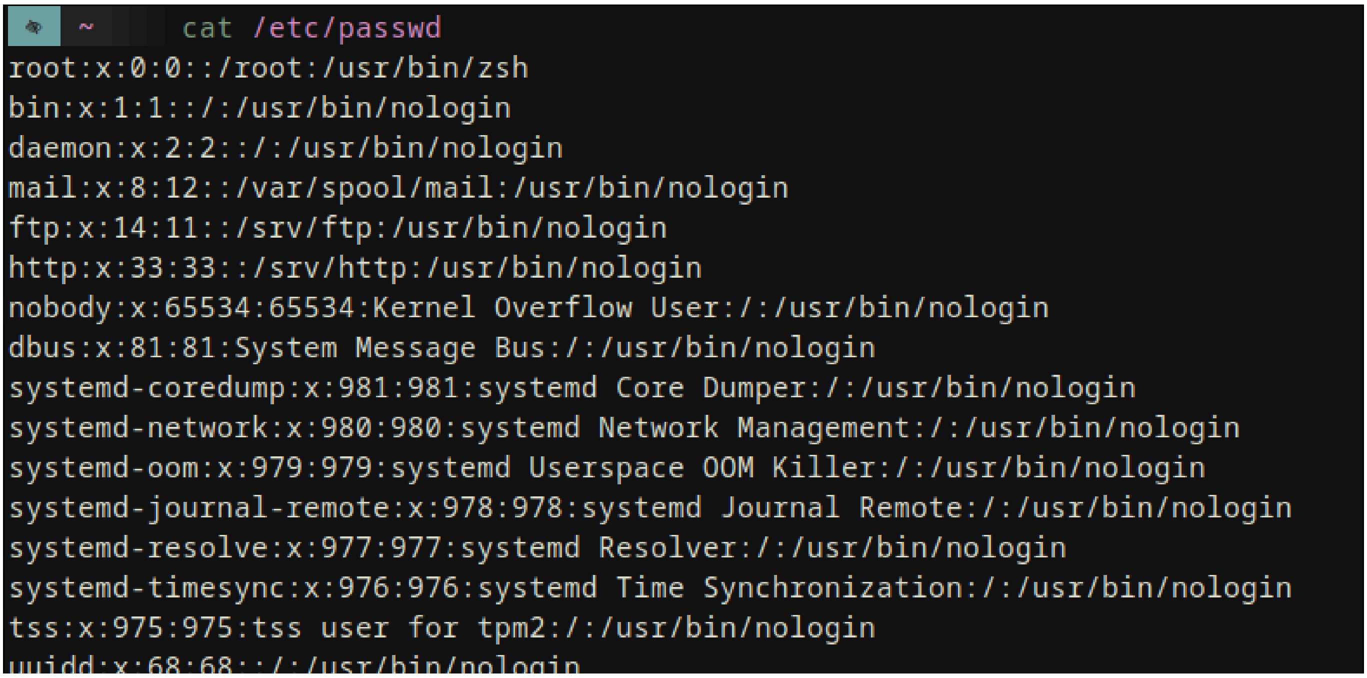
PASSWD

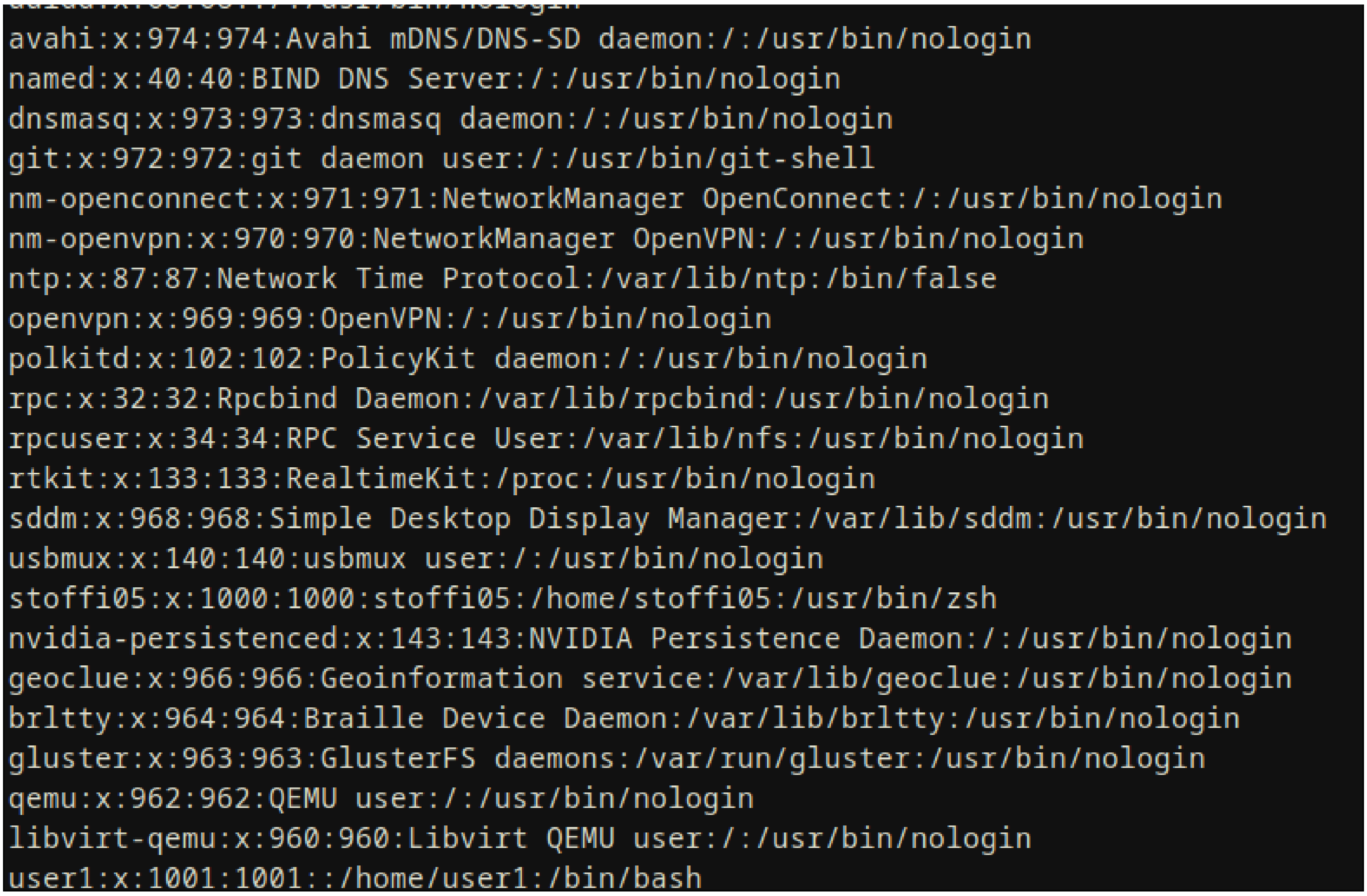
Christof Zlabinger



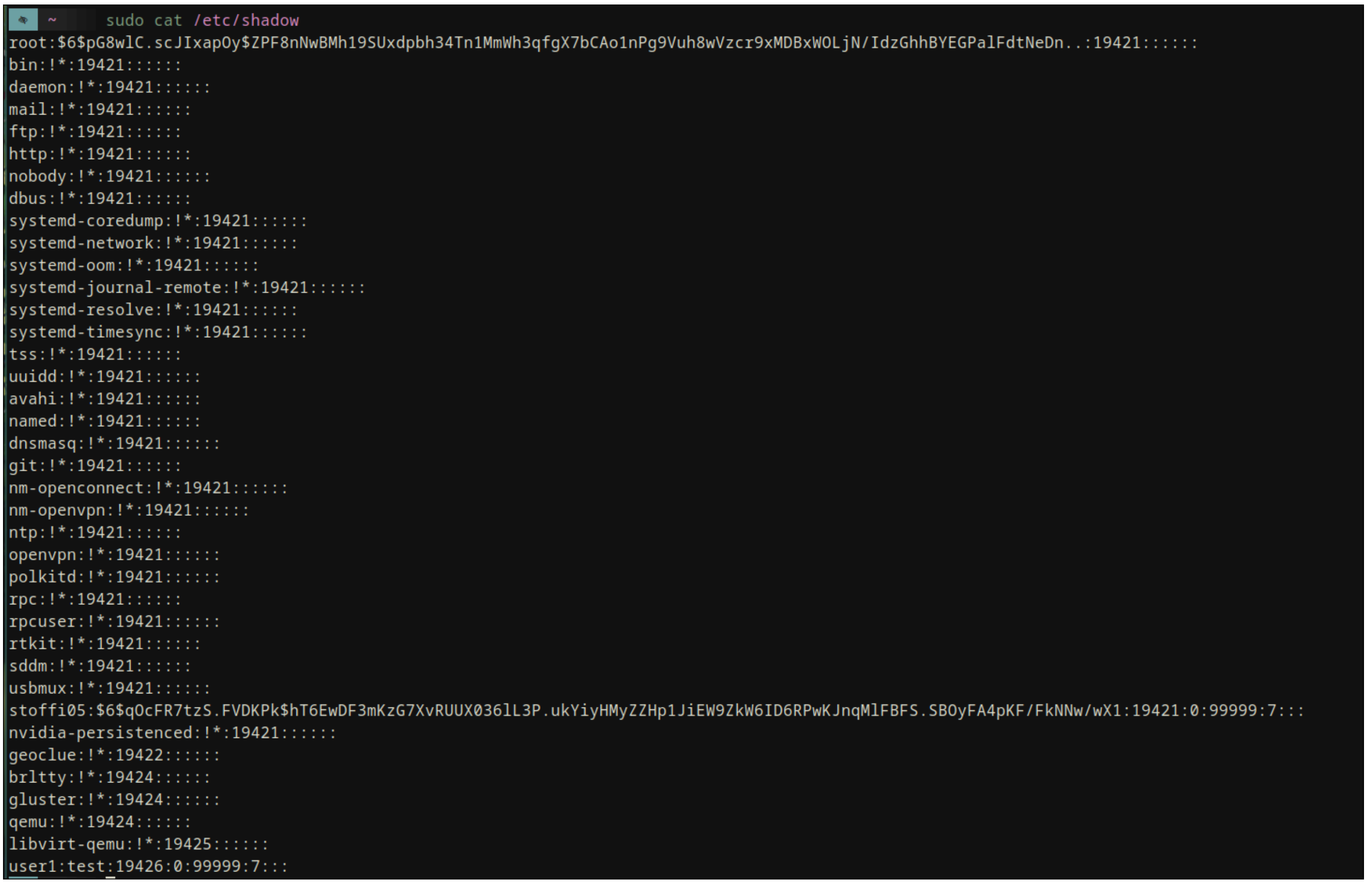
```
~  cat /etc/passwd
root:x:0:0::/root:/usr/bin/zsh
bin:x:1:1::/:/usr/bin/nologin
daemon:x:2:2::/:/usr/bin/nologin
mail:x:8:12::/var/spool/mail:/usr/bin/nologin
ftp:x:14:11::/srv/ftp:/usr/bin/nologin
http:x:33:33::/srv/http:/usr/bin/nologin
nobody:x:65534:65534:Kernel Overflow User:/:/usr/bin/nologin
dbus:x:81:81:System Message Bus:/:/usr/bin/nologin
systemd-coredump:x:981:981:systemd Core Dumper:/:/usr/bin/nologin
systemd-network:x:980:980:systemd Network Management:/:/usr/bin/nologin
systemd-oom:x:979:979:systemd Userspace OOM Killer:/:/usr/bin/nologin
systemd-journal-remote:x:978:978:systemd Journal Remote:/:/usr/bin/nologin
systemd-resolve:x:977:977:systemd Resolver:/:/usr/bin/nologin
systemd-timesync:x:976:976:systemd Time Synchronization:/:/usr/bin/nologin
tss:x:975:975:tss user for tpm2:/:/usr/bin/nologin
uuidd:x:68:68::/:/usr/bin/nologin
avahi:x:974:974:Avahi mDNS/DNS-SD daemon:/:/usr/bin/nologin
named:x:40:40:BIND DNS Server:/:/usr/bin/nologin
dnsmasq:x:973:973:dnsmasq daemon:/:/usr/bin/nologin
git:x:972:972:git daemon user:/:/usr/bin/git-shell
nm-openconnect:x:971:971:NetworkManager OpenConnect:/:/usr/bin/nologin
nm-openvpn:x:970:970:NetworkManager OpenVPN:/:/usr/bin/nologin
ntp:x:87:87:Network Time Protocol:/var/lib/ntp:/bin/false
openvpn:x:969:969:OpenVPN:/:/usr/bin/nologin
polkitd:x:102:102:PolicyKit daemon:/:/usr/bin/nologin
rpc:x:32:32:Rpcbind Daemon:/var/lib/rpcbind:/usr/bin/nologin
rpcuser:x:34:34:RPC Service User:/var/lib/nfs:/usr/bin/nologin
rtkit:x:133:133:RealtimeKit:/proc:/usr/bin/nologin
sddm:x:968:968:Simple Desktop Display Manager:/var/lib/sddm:/usr/bin/nologin
usbmux:x:140:140:usbmux user:/:/usr/bin/nologin
stoffi05:x:1000:1000:stoffi05:/home/stoffi05:/usr/bin/zsh
nvidia-persistenced:x:143:143:NVIDIA Persistence Daemon:/:/usr/bin/nologin
geoclue:x:966:966:Geoinformation service:/var/lib/geoclue:/usr/bin/nologin
brltty:x:964:964:Braille Device Daemon:/var/lib/brltty:/usr/bin/nologin
gluster:x:963:963:GlusterFS daemons:/var/run/gluster:/usr/bin/nologin
qemu:x:962:962:QEMU user:/:/usr/bin/nologin
libvirt-qemu:x:960:960:Libvirt QEMU user:/:/usr/bin/nologin
```



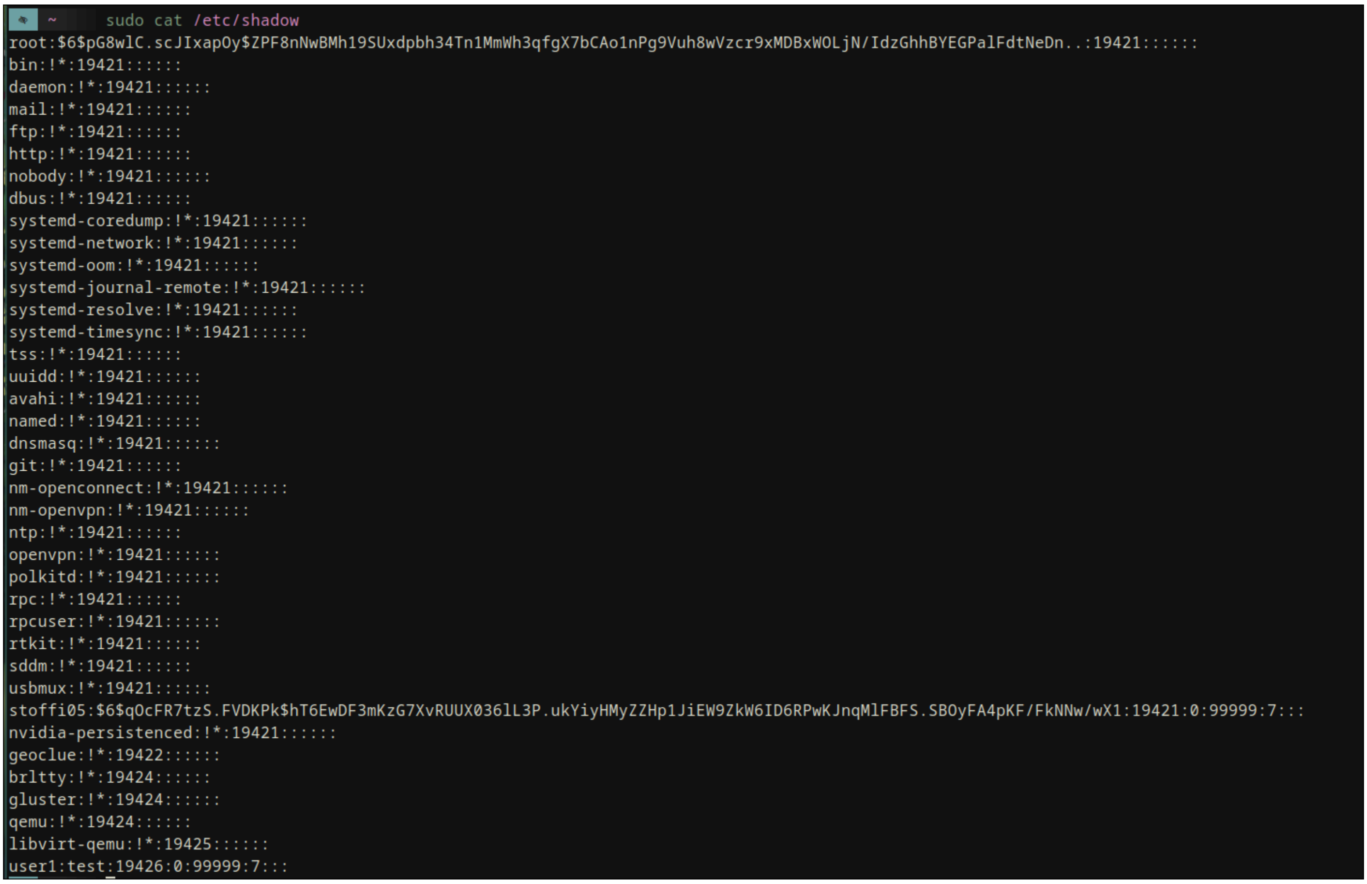
```
~  cat /etc/passwd
root:x:0:0::/root:/usr/bin/zsh
bin:x:1:1::/:/usr/bin/nologin
daemon:x:2:2::/:/usr/bin/nologin
mail:x:8:12::/var/spool/mail:/usr/bin/nologin
ftp:x:14:11::/srv/ftp:/usr/bin/nologin
http:x:33:33::/srv/http:/usr/bin/nologin
nobody:x:65534:65534:Kernel Overflow User:/:/usr/bin/nologin
dbus:x:81:81:System Message Bus:/:/usr/bin/nologin
systemd-coredump:x:981:981:systemd Core Dumper:/:/usr/bin/nologin
systemd-network:x:980:980:systemd Network Management:/:/usr/bin/nologin
systemd-oom:x:979:979:systemd Userspace OOM Killer:/:/usr/bin/nologin
systemd-journal-remote:x:978:978:systemd Journal Remote:/:/usr/bin/nologin
systemd-resolve:x:977:977:systemd Resolver:/:/usr/bin/nologin
systemd-timesync:x:976:976:systemd Time Synchronization:/:/usr/bin/nologin
tss:x:975:975:tss user for tpm2:/:/usr/bin/nologin
uuidd:x:68:68::/:/usr/bin/nologin
```



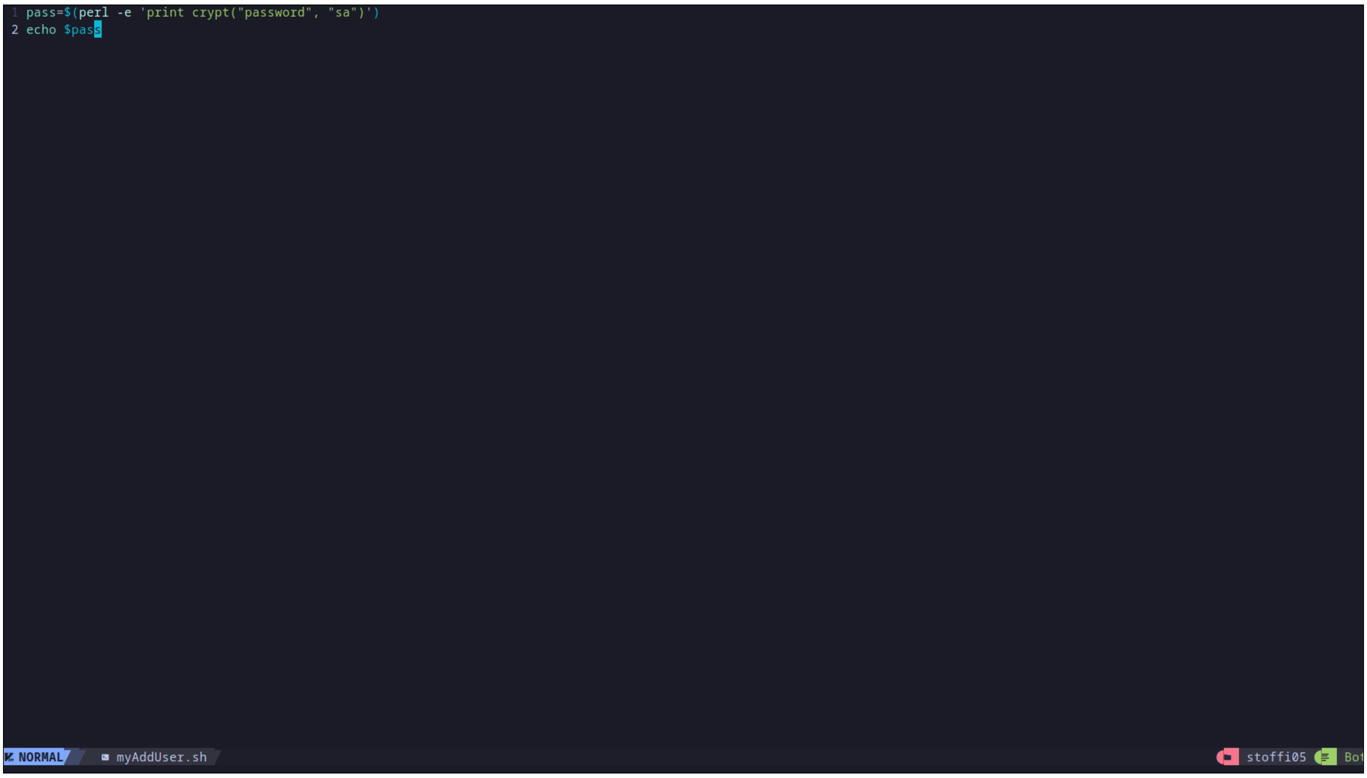
```
uuidd:x:68:68::/:/usr/bin/nologin
avahi:x:974:974:Avahi mDNS/DNS-SD daemon:/:/usr/bin/nologin
named:x:40:40:BIND DNS Server:/:/usr/bin/nologin
dnsmasq:x:973:973:dnsmasq daemon:/:/usr/bin/nologin
git:x:972:972:git daemon user:/:/usr/bin/git-shell
nm-openconnect:x:971:971:NetworkManager OpenConnect:/:/usr/bin/nologin
nm-openvpn:x:970:970:NetworkManager OpenVPN:/:/usr/bin/nologin
ntp:x:87:87:Network Time Protocol:/var/lib/ntp:/bin/false
openvpn:x:969:969:OpenVPN:/:/usr/bin/nologin
polkitd:x:102:102:PolicyKit daemon:/:/usr/bin/nologin
rpc:x:32:32:Rpcbind Daemon:/var/lib/rpcbind:/usr/bin/nologin
rpcuser:x:34:34:RPC Service User:/var/lib/nfs:/usr/bin/nologin
rtkit:x:133:133:RealtimeKit:/proc:/usr/bin/nologin
sddm:x:968:968:Simple Desktop Display Manager:/var/lib/sddm:/usr/bin/nologin
usbmux:x:140:140:usbmux user:/:/usr/bin/nologin
stoffi05:x:1000:1000:stoffi05:/home/stoffi05:/usr/bin/zsh
nvidia-persistenced:x:143:143:NVIDIA Persistence Daemon:/:/usr/bin/nologin
geoclue:x:966:966:Geoinformation service:/var/lib/geoclue:/usr/bin/nologin
brltty:x:964:964:Braille Device Daemon:/var/lib/brltty:/usr/bin/nologin
gluster:x:963:963:GlusterFS daemons:/var/run/gluster:/usr/bin/nologin
qemu:x:962:962:QEMU user:/:/usr/bin/nologin
libvirt-qemu:x:960:960:Libvirt QEMU user:/:/usr/bin/nologin
user1:x:1001:1001::/home/user1:/bin/bash
```



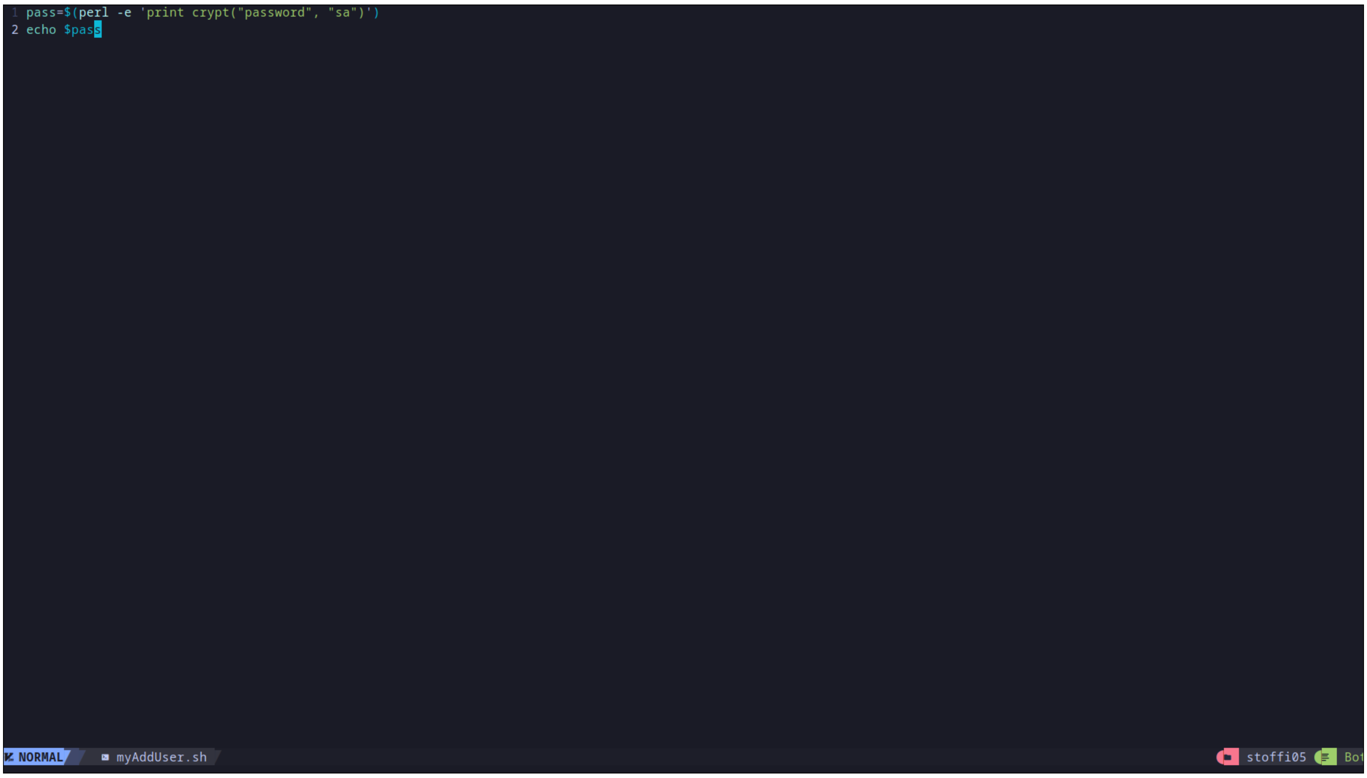
```
 ~     sudo cat /etc/shadow
root:$6$pG8wlC.scJIxapOy$ZPF8nNwBMh19SUxdpbh34Tn1MmWh3qfgX7bCAo1nPg9Vuh8wVzcr9xMDBxWOLjN/IdzGhhBYEGPalFdtNeDn..:19421::::::
bin:!*:19421::::::
daemon:!*:19421::::::
mail:!*:19421::::::
ftp:!*:19421::::::
http:!*:19421::::::
nobody:!*:19421::::::
dbus:!*:19421::::::
systemd-coredump:!*:19421::::::
systemd-network:!*:19421::::::
systemd-oom:!*:19421::::::
systemd-journal-remote:!*:19421::::::
systemd-resolve:!*:19421::::::
systemd-timesync:!*:19421::::::
tss:!*:19421::::::
uuidd:!*:19421::::::
avahi:!*:19421::::::
named:!*:19421::::::
dnsmasq:!*:19421::::::
git:!*:19421::::::
nm-openconnect:!*:19421::::::
nm-openvpn:!*:19421::::::
ntp:!*:19421::::::
openvpn:!*:19421::::::
polkitd:!*:19421::::::
rpc:!*:19421::::::
rpcuser:!*:19421::::::
rtkit:!*:19421::::::
sddm:!*:19421::::::
usbmux:!*:19421::::::
stoffi05:$6$qOcFR7tzS.FVDKPk$hT6EwDF3mKzG7XvRUUX036lL3P.ukYiyHMyZZHp1JiEW9ZkW6ID6RPwKJnqMlFBFS.SBOyFA4pKF/FkNNw/wX1:19421:0:99999:7:::
nvidia-persistenced:!*:19421::::::
geoclue:!*:19422::::::
brltty:!*:19424::::::
gluster:!*:19424::::::
qemu:!*:19424::::::
libvirt-qemu:!*:19425::::::
user1:test:19426:0:99999:7:::
```



```
~  sudo cat /etc/shadow
root:$6$pG8wlC.scJIxapOy$ZPF8nNwBMh19SUxdpbh34Tn1MmWh3qfgX7bCAo1nPg9Vuh8wVzcr9xMDBxWOLjN/IdzGhhBYEGPalFdtNeDn..:19421::::::
bin:!*:19421::::::
daemon:!*:19421::::::
mail:!*:19421::::::
ftp:!*:19421::::::
http:!*:19421::::::
nobody:!*:19421::::::
dbus:!*:19421::::::
systemd-coredump:!*:19421::::::
systemd-network:!*:19421::::::
systemd-oom:!*:19421::::::
systemd-journal-remote:!*:19421::::::
systemd-resolve:!*:19421::::::
systemd-timesync:!*:19421::::::
tss:!*:19421::::::
uuidd:!*:19421::::::
avahi:!*:19421::::::
named:!*:19421::::::
dnsmasq:!*:19421::::::
git:!*:19421::::::
nm-openconnect:!*:19421::::::
nm-openvpn:!*:19421::::::
ntp:!*:19421::::::
openvpn:!*:19421::::::
polkitd:!*:19421::::::
rpc:!*:19421::::::
rpcuser:!*:19421::::::
rtkit:!*:19421::::::
sddm:!*:19421::::::
usbmux:!*:19421::::::
stoffi05:$6$qOcFR7tzS.FVDKPk$hT6EwDF3mKzG7XvRUUX036lL3P.ukYiyHMyZZHp1JiEW9ZkW6ID6RPwKJnqMlFBFS.SBOyFA4pKF/FkNNw/wX1:19421:0:99999:7:::
nvidia-persistenced:!*:19421::::::
geoclue:!*:19422::::::
brltty:!*:19424::::::
gluster:!*:19424::::::
qemu:!*:19424::::::
libvirt-qemu:!*:19425::::::
user1:test:19426:0:99999:7:::
```



```
pass=$(perl -e 'print crypt("password", "sa")')
echo $pass
```



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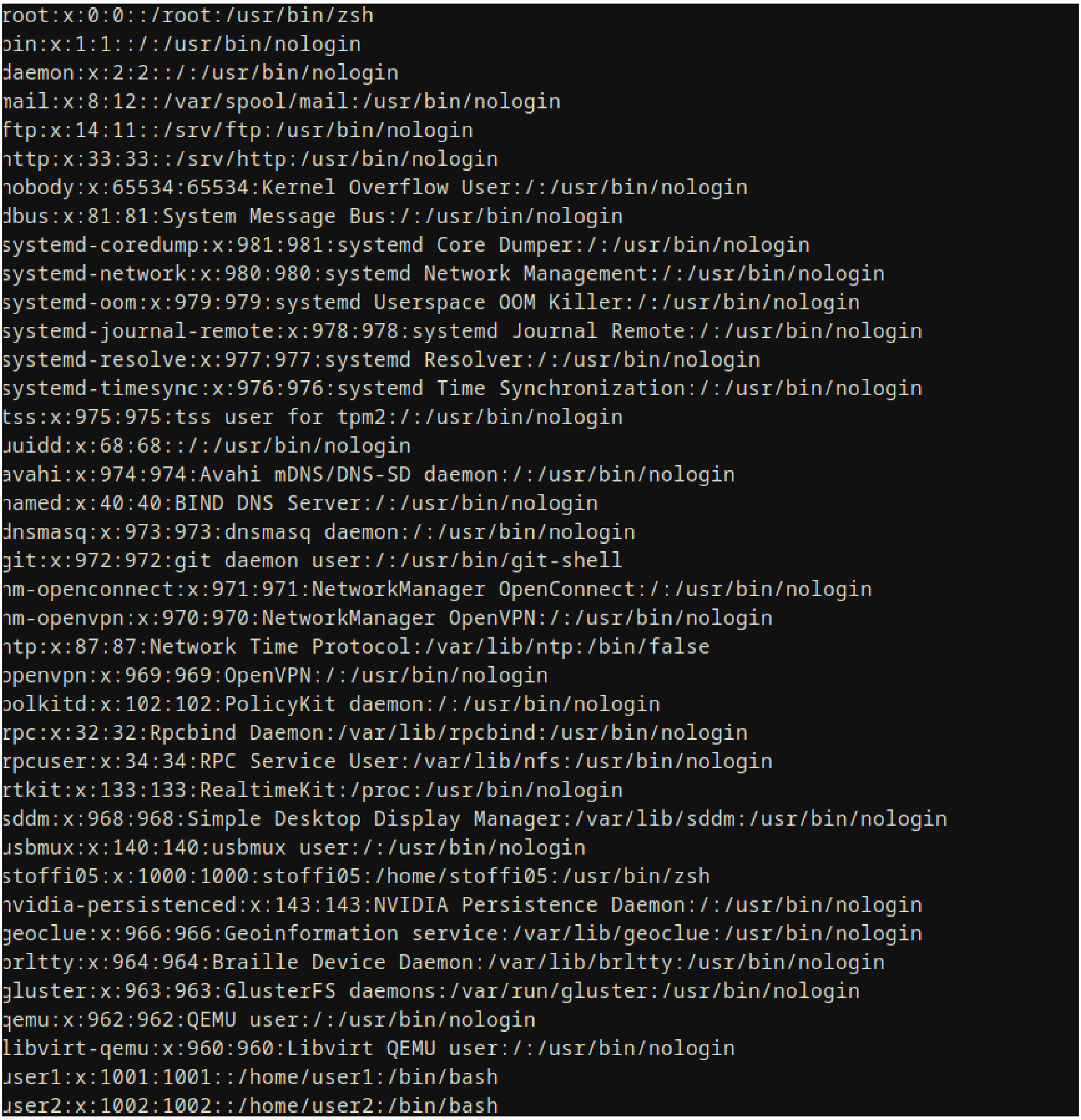
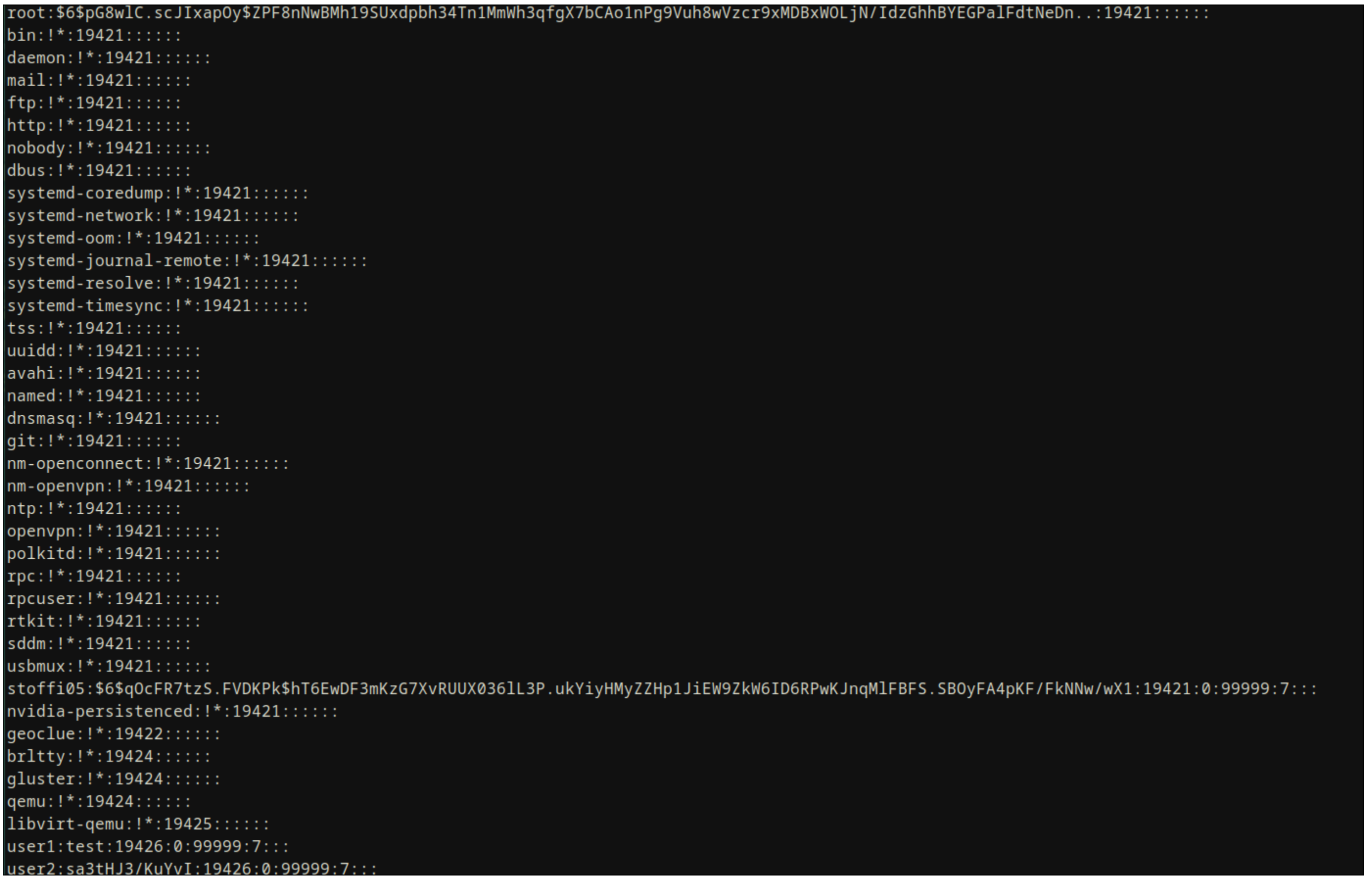


```
root:x:0:0::/root:/usr/bin/zsh
bin:x:1:1::/:/usr/bin/nologin
daemon:x:2:2::/:/usr/bin/nologin
mail:x:8:12::/var/spool/mail:/usr/bin/nologin
ftp:x:14:11::/srv/ftp:/usr/bin/nologin
http:x:33:33::/srv/http:/usr/bin/nologin
nobody:x:65534:65534:Kernel Overflow User:/:/usr/bin/nologin
dbus:x:81:81:System Message Bus:/:/usr/bin/nologin
systemd-coredump:x:981:981:systemd Core Dumper:/:/usr/bin/nologin
systemd-network:x:980:980:systemd Network Management:/:/usr/bin/nologin
systemd-oom:x:979:979:systemd Userspace OOM Killer:/:/usr/bin/nologin
systemd-journal-remote:x:978:978:systemd Journal Remote:/:/usr/bin/nologin
systemd-resolve:x:977:977:systemd Resolver:/:/usr/bin/nologin
systemd-timesync:x:976:976:systemd Time Synchronization:/:/usr/bin/nologin
tss:x:975:975:tss user for tpm2:/:/usr/bin/nologin
uuidd:x:68:68::/:/usr/bin/nologin
avahi:x:974:974:Avahi mDNS/DNS-SD daemon:/:/usr/bin/nologin
named:x:40:40:BIND DNS Server:/:/usr/bin/nologin
dnsmasq:x:973:973:dnsmasq daemon:/:/usr/bin/nologin
git:x:972:972:git daemon user:/:/usr/bin/git-shell
nm-openconnect:x:971:971:NetworkManager OpenConnect:/:/usr/bin/nologin
nm-openvpn:x:970:970:NetworkManager OpenVPN:/:/usr/bin/nologin
ntp:x:87:87:Network Time Protocol:/var/lib/ntp:/bin/false
openvpn:x:969:969:OpenVPN:/:/usr/bin/nologin
polkitd:x:102:102:PolicyKit daemon:/:/usr/bin/nologin
rpc:x:32:32:Rpcbind Daemon:/var/lib/rpcbind:/usr/bin/nologin
rpcuser:x:34:34:RPC Service User:/var/lib/nfs:/usr/bin/nologin
rtkit:x:133:133:RealtimeKit:/proc:/usr/bin/nologin
sddm:x:968:968:Simple Desktop Display Manager:/var/lib/sddm:/usr/bin/nologin
usbmux:x:140:140:usbmux user:/:/usr/bin/nologin
stoffi05:x:1000:1000:stoffi05:/home/stoffi05:/usr/bin/zsh
nvidia-persistenced:x:143:143:NVIDIA Persistence Daemon:/:/usr/bin/nologin
geoclue:x:966:966:Geoinformation service:/var/lib/geoclue:/usr/bin/nologin
brltty:x:964:964:Braille Device Daemon:/var/lib/brltty:/usr/bin/nologin
gluster:x:963:963:GlusterFS daemons:/var/run/gluster:/usr/bin/nologin
qemu:x:962:962:QEMU user:/:/usr/bin/nologin
libvirt-qemu:x:960:960:Libvirt QEMU user:/:/usr/bin/nologin
user1:x:1001:1001::/home/user1:/bin/bash
user2:x:1002:1002::/home/user2:/bin/bash
```



```
root:$6$pG8wlC.scJIxapOy$ZPF8nNwBMh19SUxdpbh34Tn1MmWh3qfgX7bCAo1nPg9Vuh8wVzcr9xMDBxWOLjN/IdzGhhBYEGPalFdtNeDn..:19421::::::
bin:!*:19421::::::
daemon:!*:19421::::::
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systemd-network:!*:19421::::::
systemd-oom:!*:19421::::::
systemd-journal-remote:!*:19421::::::
systemd-resolve:!*:19421::::::
systemd-timesync:!*:19421::::::
tss:!*:19421::::::
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avahi:!*:19421::::::
named:!*:19421::::::
dnsmasq:!*:19421::::::
git:!*:19421::::::
nm-openconnect:!*:19421::::::
nm-openvpn:!*:19421::::::
ntp:!*:19421::::::
openvpn:!*:19421::::::
polkitd:!*:19421::::::
rpc:!*:19421::::::
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rtkit:!*:19421::::::
sddm:!*:19421::::::
usbmux:!*:19421::::::
stoffi05:$6$qOcFR7tzS.FVDKPk$hT6EwDF3mKzG7XvRUUX036lL3P.ukYiyHMyZZHp1JiEW9ZkW6ID6RPwKJnqMlFBFS.SBOyFA4pKF/FkNNw/wX1:19421:0:99999:7:::
nvidia-persistenced:!*:19421::::::
geoclue:!*:19422::::::
brltty:!*:19424::::::
gluster:!*:19424::::::
qemu:!*:19424::::::
libvirt-qemu:!*:19425::::::
user1:test:19426:0:99999:7:::
user2:sa3tHJ3/KuYvI:19426:0:99999:7:::
```

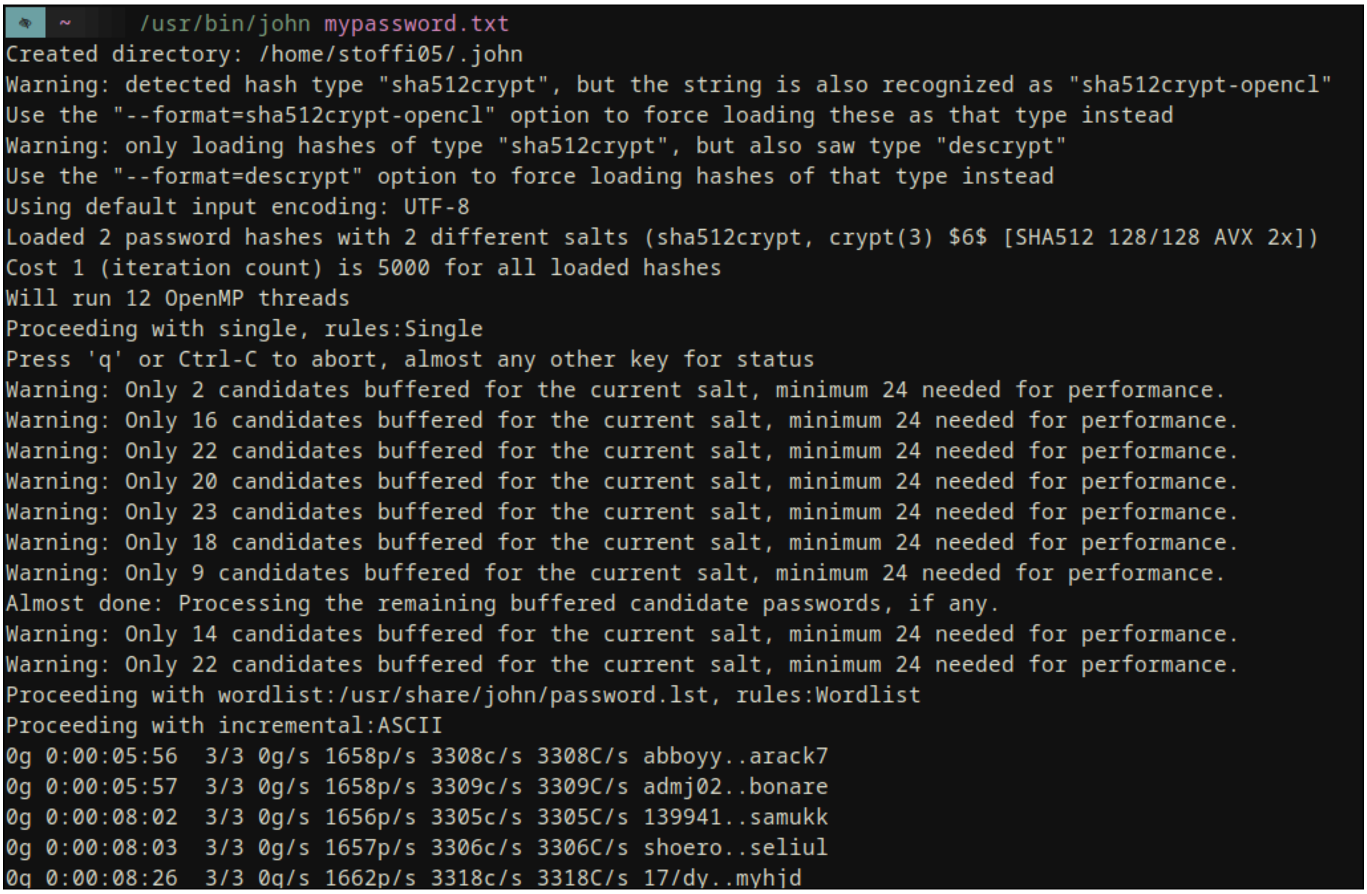

```
 ~   /usr/bin/john mypassword.txt
Created directory: /home/stoffi05/.john
Warning: detected hash type "sha512crypt", but the string is also recognized as "sha512crypt-opencl"
Use the "--format=sha512crypt-opencl" option to force loading these as that type instead
Warning: only loading hashes of type "sha512crypt", but also saw type "descrypt"
Use the "--format=descrypt" option to force loading hashes of that type instead
Using default input encoding: UTF-8
Loaded 2 password hashes with 2 different salts (sha512crypt, crypt(3) $6$ [SHA512 128/128 AVX 2x])
Cost 1 (iteration count) is 5000 for all loaded hashes
Will run 12 OpenMP threads
Proceeding with single, rules:Single
Press 'q' or Ctrl-C to abort, almost any other key for status
Warning: Only 2 candidates buffered for the current salt, minimum 24 needed for performance.
Warning: Only 16 candidates buffered for the current salt, minimum 24 needed for performance.
Warning: Only 22 candidates buffered for the current salt, minimum 24 needed for performance.
Warning: Only 20 candidates buffered for the current salt, minimum 24 needed for performance.
Warning: Only 23 candidates buffered for the current salt, minimum 24 needed for performance.
Warning: Only 18 candidates buffered for the current salt, minimum 24 needed for performance.
Warning: Only 9 candidates buffered for the current salt, minimum 24 needed for performance.
Almost done: Processing the remaining buffered candidate passwords, if any.
Warning: Only 14 candidates buffered for the current salt, minimum 24 needed for performance.
Warning: Only 22 candidates buffered for the current salt, minimum 24 needed for performance.
Proceeding with wordlist:/usr/share/john/password.lst, rules:Wordlist
Proceeding with incremental:ASCII
0g 0:00:05:56  3/3 0g/s 1658p/s 3308c/s 3308C/s abboyy..arack7
0g 0:00:05:57  3/3 0g/s 1658p/s 3309c/s 3309C/s admj02..bonare
0g 0:00:08:02  3/3 0g/s 1656p/s 3305c/s 3305C/s 139941..samukk
0g 0:00:08:03  3/3 0g/s 1657p/s 3306c/s 3306C/s shoero..seliul
0g 0:00:08:26  3/3 0g/s 1662p/s 3318c/s 3318C/s 17/dy..myhjd
```