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- <https://github.com/erlisenkov>





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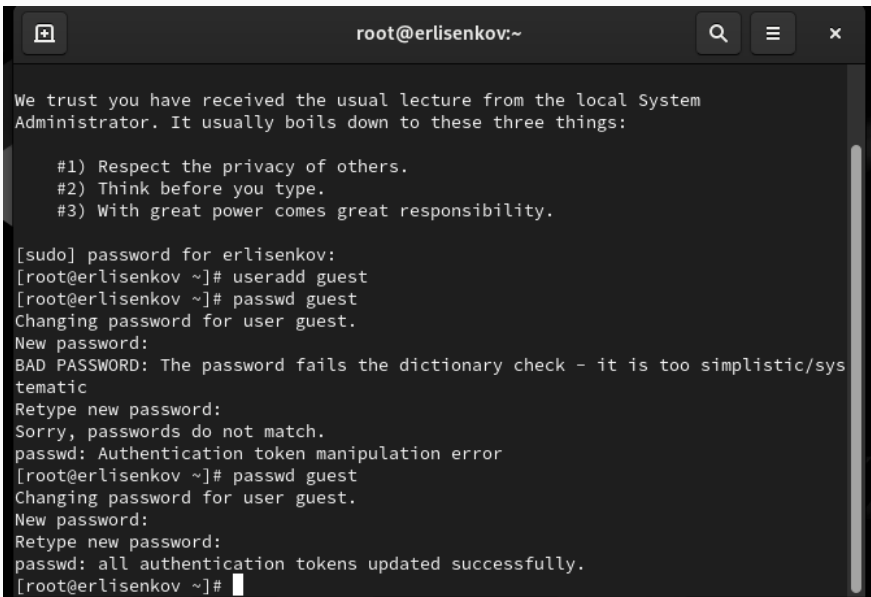
Linux1.



Rocky Linux.

(.1).

(.1).



A terminal window titled 'root@erlisenkov:~' with search, menu, and close icons in the title bar. The terminal displays a message from the local System Administrator, followed by three numbered points. Then, it shows the process of adding a user named 'guest' using 'useradd' and 'passwd'. The first password attempt fails due to being too simplistic, and the second attempt is successful after retying.

```
root@erlisenkov:~  
  
We trust you have received the usual lecture from the local System  
Administrator. It usually boils down to these three things:  
  
#1) Respect the privacy of others.  
#2) Think before you type.  
#3) With great power comes great responsibility.  
  
[sudo] password for erlisenkov:  
[root@erlisenkov ~]# useradd guest  
[root@erlisenkov ~]# passwd guest  
Changing password for user guest.  
New password:  
BAD PASSWORD: The password fails the dictionary check - it is too simplistic/sys  
tematic  
Retype new password:  
Sorry, passwords do not match.  
passwd: Authentication token manipulation error  
[root@erlisenkov ~]# passwd guest  
Changing password for user guest.  
New password:  
Retype new password:  
passwd: all authentication tokens updated successfully.  
[root@erlisenkov ~]#
```



erlisenkov



guest

Not listed?

guest (. 3)

```
[guest@erlisenkov ~]$ pwd
/home/guest
[guest@erlisenkov ~]$ whoami
guest
[guest@erlisenkov ~]$ id
uid=1001(guest) gid=1001(guest) groups=1001(guest) context=unconfined_u:unconfined_r:unconfined_t:s0-s0:c0.c102
3
[guest@erlisenkov ~]$ groups
guest
[guest@erlisenkov ~]$ cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/sbin/nologin
tss:x:59:59:Account used for TPM access:/usr/sbin/nologin
systemd-coredump:x:999:997:systemd Core Dumper:/sbin/nologin
dbus:x:81:81:System message bus:/sbin/nologin
polkitd:x:998:996:User for polkitd:/sbin/nologin
sssd:x:997:995:User for sssd:/sbin/nologin
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
geoclue:x:996:994:User for geoclue:/var/lib/geoclue:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/sbin/nologin
pipewire:x:995:992:PipeWire System Daemon:/run/pipewire:/usr/sbin/nologin
libstoragemgmt:x:990:990:daemon account for libstoragemgmt:/usr/sbin/nologin
cockpit-wsinstance:x:989:988:User for cockpit-ws instances:/nonexisting:/sbin/nologin
flatpak:x:988:987:User for flatpak system helper:/sbin/nologin
colord:x:987:986:User for colord:/var/lib/colord:/sbin/nologin
clevis:x:986:985:Clevis Decryption Framework unprivileged user:/var/cache/clevis:/usr/sbin/nologin
setroubleshoot:x:985:984:SELinux troubleshoot server:/var/lib/setroubleshoot:/usr/sbin/nologin
gdm:x:42:42:/var/lib/gdm:/sbin/nologin
staprunpriv:x:159:159:systemtap unprivileged user:/var/lib/staprunpriv:/sbin/nologin
pesign:x:984:983:Group for the pesign signing daemon:/run/psign:/sbin/nologin
gnome-initial-setup:x:983:982:/run/gnome-initial-setup:/sbin/nologin
chrony:x:982:981:chrony system user:/var/lib/chrony:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/usr/sbin/nologin
dnsmasq:x:981:980:Dnsmasq DHCP and DNS server:/var/lib/dnsmasq:/usr/sbin/nologin
tcpdump:x:72:72:/sbin/nologin
erlisenkov:x:1000:1000:erlisenkov:/home/erlisenkov:/bin/bash
guest:x:1001:1001:/home/guest:/bin/bash
[guest@erlisenkov ~]$
```

```
erlisenkov.x.1000.1000.erlisenkov./home/erlisenkov./bin/bash
guest:x:1001:1001::/home/guest:/bin/bash
[guest@erlisenkov ~]$ cat /etc/passwd | grep guest
guest:x:1001:1001::/home/guest:/bin/bash
[guest@erlisenkov ~]$
```

(.5).

```
[guest@erlisenkov ~]$ ls -lt /home/  
total 8  
drwx-----. 14 erlisenkov erlisenkov 4096 Feb 22 13:38 erlisenkov  
drwx-----. 14 guest      guest      4096 Feb 23 17:53 guest  
[guest@erlisenkov ~]$
```

(.6)

```
[guest@erlisenkov ~]$ ls -l /home/
total 8
drwx-----. 14 erlisenkov erlisenkov 4096 Feb 22 13:38 erlisenkov
drwx-----. 14 guest      guest      4096 Feb 23 17:53 guest
[guest@erlisenkov ~]$ lsattr /home
lsattr: Permission denied While reading flags on /home/erlisenkov
----- /home/guest
[guest@erlisenkov ~]$ mkdir dir1
[guest@erlisenkov ~]$ ls -l
total 0
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Desktop
drwxr-xr-x. 2 guest guest 6 Feb 23 18:01 dir1
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Documents
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Downloads
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Music
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Pictures
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Public
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Templates
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Videos
[guest@erlisenkov ~]$ lsattr
----- ./Desktop
----- ./Downloads
----- ./Templates
----- ./Public
----- ./Documents
----- ./Music
----- ./Pictures
----- ./Videos
----- ./dir1
[guest@erlisenkov ~]$ chmod 000 dir1
[guest@erlisenkov ~]$ ls -l
total 0
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Desktop
d-----. 2 guest guest 6 Feb 23 18:01 dir1
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Documents
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Downloads
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Music
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Pictures
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Public
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Templates
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Videos
[guest@erlisenkov ~]$
```

```

[guest@erlisenkov ~]$ ls -l /home/guest/dir1
ls: cannot open directory '/home/guest/dir1': Permission denied
[guest@erlisenkov ~]$ chmod 100 dir1
[guest@erlisenkov ~]$ chmod 700 dir1
[guest@erlisenkov ~]$ ls -l
total 0
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Desktop
drwx----- 2 guest guest 6 Feb 23 18:01 dir1
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Documents
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Downloads
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Music
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Pictures
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Public
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Templates
drwxr-xr-x. 2 guest guest 6 Feb 23 17:53 Videos
[guest@erlisenkov ~]$ cd /home/guest/dir1
[guest@erlisenkov dir1]$ ls
[guest@erlisenkov dir1]$ touch file1
[guest@erlisenkov dir1]$ ls
file1
[guest@erlisenkov dir1]$ echo "test" > /home/guest/dir1/file1
[guest@erlisenkov dir1]$ cat file1
test
[guest@erlisenkov dir1]$ ls -l file1
-rw-r--r--. 1 guest guest 5 Feb 23 18:08 file1
[guest@erlisenkov dir1]$ chmod 000 file1
[guest@erlisenkov dir1]$ cat file1
cat: file1: Permission denied
[guest@erlisenkov dir1]$ rm -r file1
rm: remove write-protected regular file 'file1'? y
[guest@erlisenkov dir1]$ cd ..
[guest@erlisenkov ~]$ chmod 300 dir1
[guest@erlisenkov ~]$ cd dir1
[guest@erlisenkov dir1]$ touch file2
[guest@erlisenkov dir1]$ rm -r file1
rm: cannot remove 'file1': No such file or directory
[guest@erlisenkov dir1]$ cd ..
[guest@erlisenkov ~]$ chmod 400 dir1
[guest@erlisenkov ~]$ cd dir1
bash: cd: dir1: Permission denied
[guest@erlisenkov ~]$ chmod 600 dir1
[guest@erlisenkov ~]$

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