

# Дискреционное разграничение прав в Linux. Основные атрибуты

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Получение практических навыков работы в консоли с атрибутами файлов, закрепление теоретических основ дискреционного разграничения доступа в современных системах с открытым кодом на базе ОС Linux1.

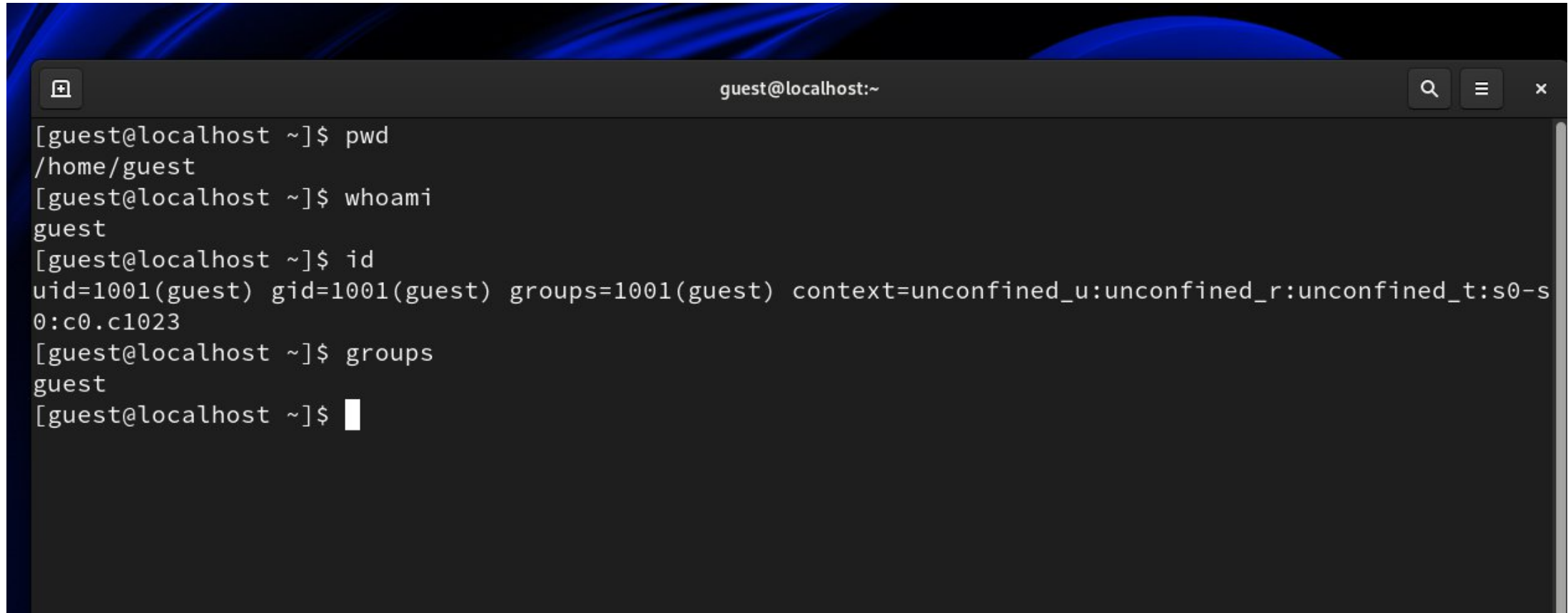
# Выполнение задачи

```
user@localhost:~  
[user@localhost ~]$ passwd guest  
passwd: Only root can specify a user name.  
[user@localhost ~]$ sudo passwd guest  
[sudo] password for user:  
Changing password for user guest.  
New password:  
BAD PASSWORD: The password is shorter than 8 characters  
Retype new password:  
passwd: all authentication tokens updated successfully.  
[user@localhost ~]$
```

Activities Terminal Sep 14 17:41

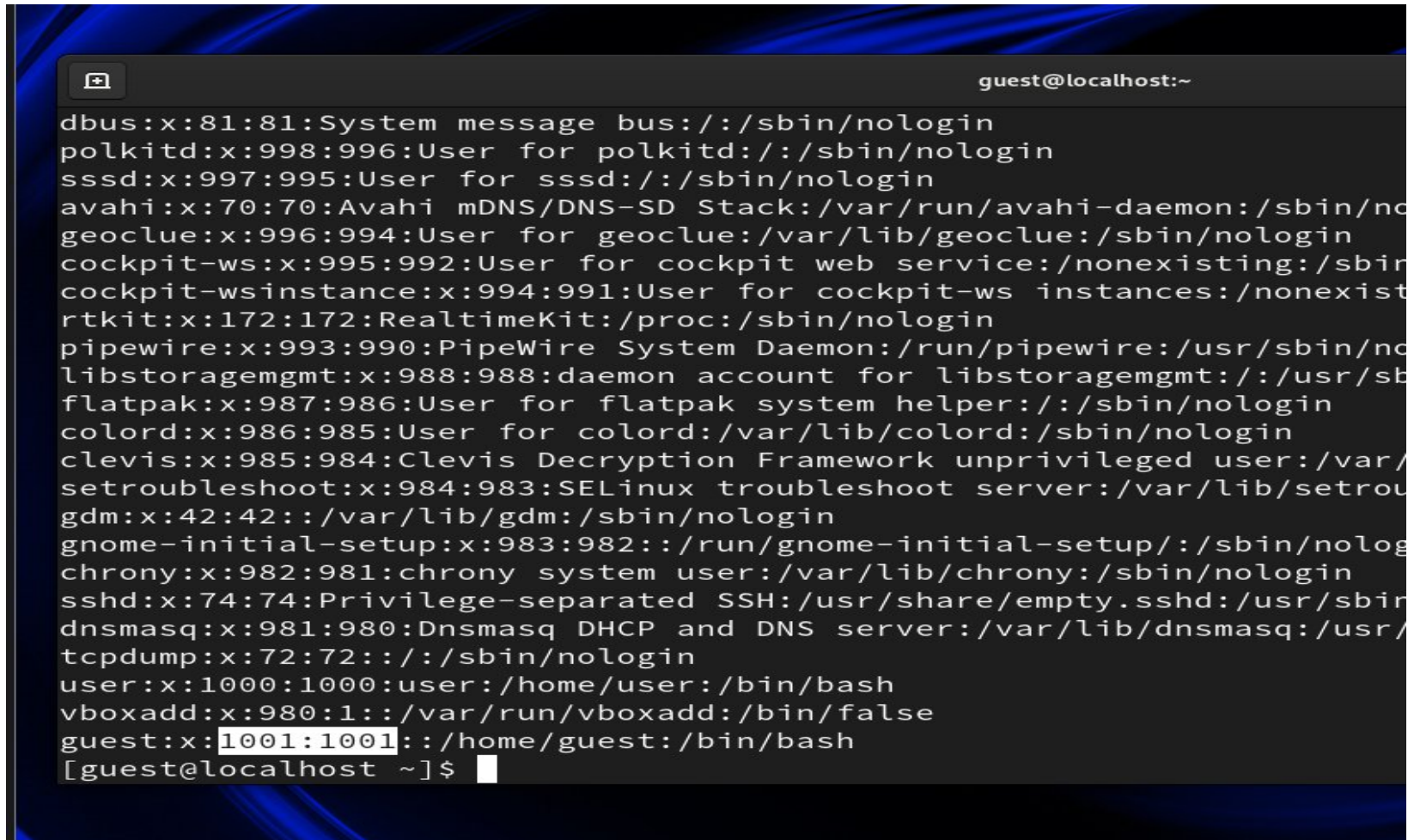
```
user@localhost:~  
[user@localhost ~]$ useradd guest  
useradd: Permission denied.  
useradd: cannot lock /etc/passwd; try again later.  
[user@localhost ~]$ sudo useradd guest  
[sudo] password for user:  
[user@localhost ~]$ :
```

# Выполнение задачи



```
guest@localhost:~  
[guest@localhost ~]$ pwd  
/home/guest  
[guest@localhost ~]$ whoami  
guest  
[guest@localhost ~]$ id  
uid=1001(guest) gid=1001(guest) groups=1001(guest) context=unconfined_u:unconfined_r:unconfined_t:s0-s0:c0.c1023  
[guest@localhost ~]$ groups  
guest  
[guest@localhost ~]$
```

# Выполнение задачи



```
guest@localhost:~  
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  
cockpit-ws:x:995:992:User for cockpit web service:/nonexisting:/sbin/nologin  
cockpit-wsinstance:x:994:991:User for cockpit-ws instances:/nonexisting:/sbin/nologin  
rtkit:x:172:172:RealtimeKit:/proc:/sbin/nologin  
pipewire:x:993:990:PipeWire System Daemon:/run/pipewire:/usr/sbin/nologin  
libstoragemgmt:x:988:988:daemon account for libstoragemgmt:/:/usr/sbin/nologin  
flatpak:x:987:986:User for flatpak system helper:/:/sbin/nologin  
colord:x:986:985:User for colord:/var/lib/colord:/sbin/nologin  
clevis:x:985:984:Clevis Decryption Framework unprivileged user:/var/lib/colord:/sbin/nologin  
setroubleshoot:x:984:983:SELinux troubleshoot server:/var/lib/setroubleshoot:/sbin/nologin  
gdm:x:42:42::/var/lib/gdm:/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  
user:x:1000:1000:user:/home/user:/bin/bash  
vboxadd:x:980:1::/var/run/vboxadd:/bin/false  
guest:x:1001:1001::/home/guest:/bin/bash  
[guest@localhost ~]$
```

# Выполнение задачи

```
[guest@localhost ~]$ pwd
/home/guest
[guest@localhost ~]$ mkdir dir1
[guest@localhost ~]$ ls -l
total 0
drwxr-xr-x. 2 guest guest 6 Sep 14 17:44 Desktop
drwxr-xr-x. 2 guest guest 6 Sep 14 17:49 dir1
drwxr-xr-x. 2 guest guest 6 Sep 14 17:44 Documents
drwxr-xr-x. 2 guest guest 6 Sep 14 17:44 Downloads
drwxr-xr-x. 2 guest guest 6 Sep 14 17:44 Music
drwxr-xr-x. 2 guest guest 6 Sep 14 17:44 Pictures
drwxr-xr-x. 2 guest guest 6 Sep 14 17:44 Public
drwxr-xr-x. 2 guest guest 6 Sep 14 17:44 Templates
drwxr-xr-x. 2 guest guest 6 Sep 14 17:44 Videos
[guest@localhost ~]$ lsattr
```

# Выполнение задачи

```
----- ./vboxclient-vmvga-session-tty2
----- ./vboxclient-vmvga-session-tty2
----- ./dir1
----- ./lessht
[guest@localhost ~]$ chmod 000 dir1/
[guest@localhost ~]$ ls -l
total 0
drwxr-xr-x. 2 guest guest 6 Sep 14 17:44 Desktop
d------. 2 guest guest 6 Sep 14 17:49 dir1
drwxr-xr-x. 2 guest guest 6 Sep 14 17:44 Documents
drwxr-xr-x. 2 guest guest 6 Sep 14 17:44 Downloads
drwxr-xr-x. 2 guest guest 6 Sep 14 17:44 Music
drwxr-xr-x. 2 guest guest 6 Sep 14 17:44 Pictures
drwxr-xr-x. 2 guest guest 6 Sep 14 17:44 Public
drwxr-xr-x. 2 guest guest 6 Sep 14 17:44 Templates
drwxr-xr-x. 2 guest guest 6 Sep 14 17:44 Videos
[guest@localhost ~]$
```

# Вывод

Я узнал, как создать пользователя и как установить индивидуальные и специальные разрешения для файлов и каталогов.



Спасибо За Внимание