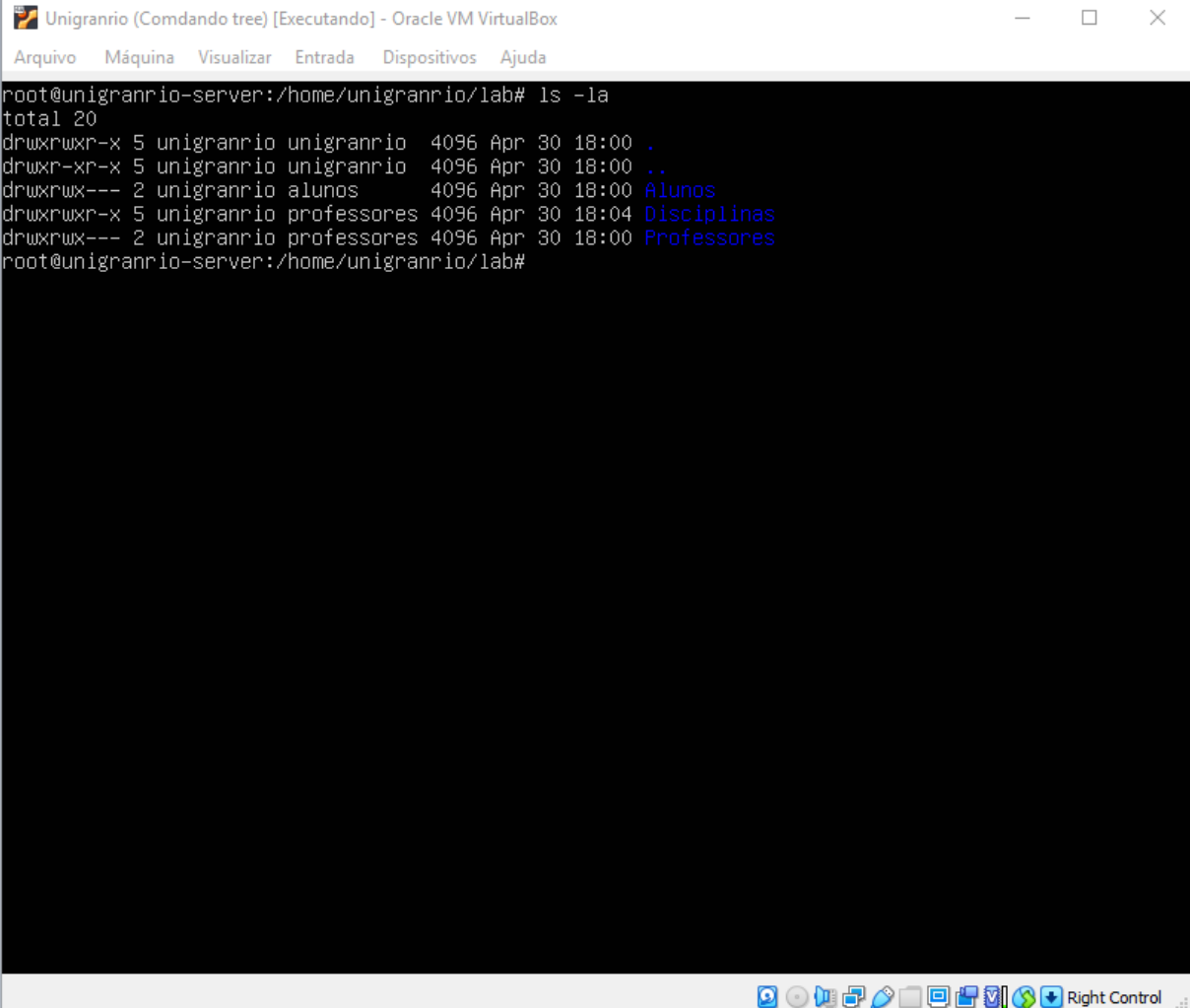


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AV1

Questão 1 - No disco de 1TB colocaria o sistema operacional, seus pacotes. No disco de 2TB deixaria para uso de professores e alunos para compartilhamento de arquivos.

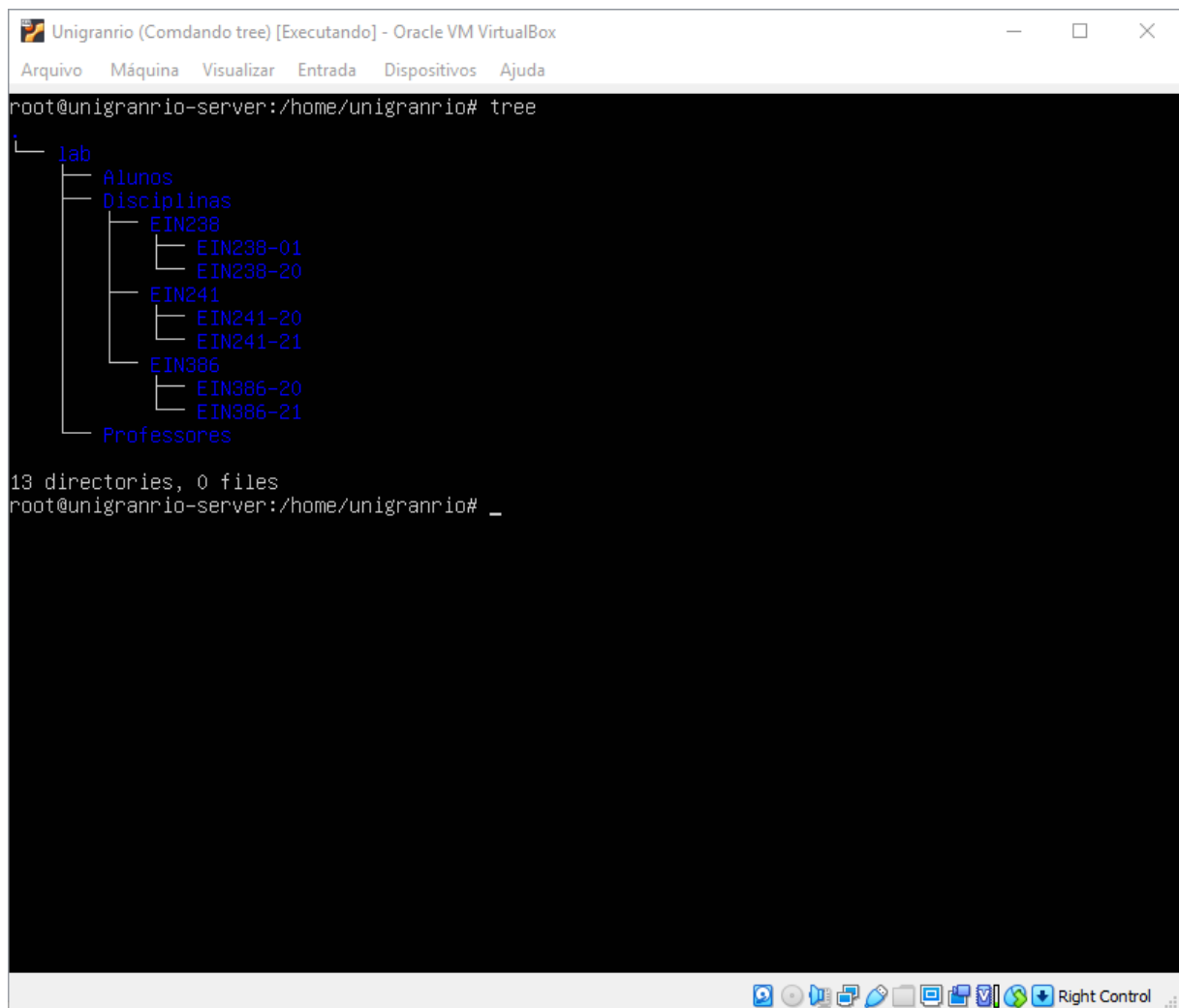
Questões práticas:



```
Unigranrio (Comdando tree) [Executando] - Oracle VM VirtualBox
Arquivo  Máquina  Visualizar  Entrada  Dispositivos  Ajuda

root@unigranrio-server:/home/unigranrio/lab# ls -la
total 20
drwxrwxr-x 5 unigranrio unigranrio 4096 Apr 30 18:00 .
drwxr-xr-x 5 unigranrio unigranrio 4096 Apr 30 18:00 ..
drwxrwx--- 2 unigranrio alunos    4096 Apr 30 18:00 Alunos
drwxrwxr-x 5 unigranrio professores 4096 Apr 30 18:04 Disciplinas
drwxrwx--- 2 unigranrio professores 4096 Apr 30 18:00 Professores
root@unigranrio-server:/home/unigranrio/lab#
```

Figura 1 Diretórios e Permissões

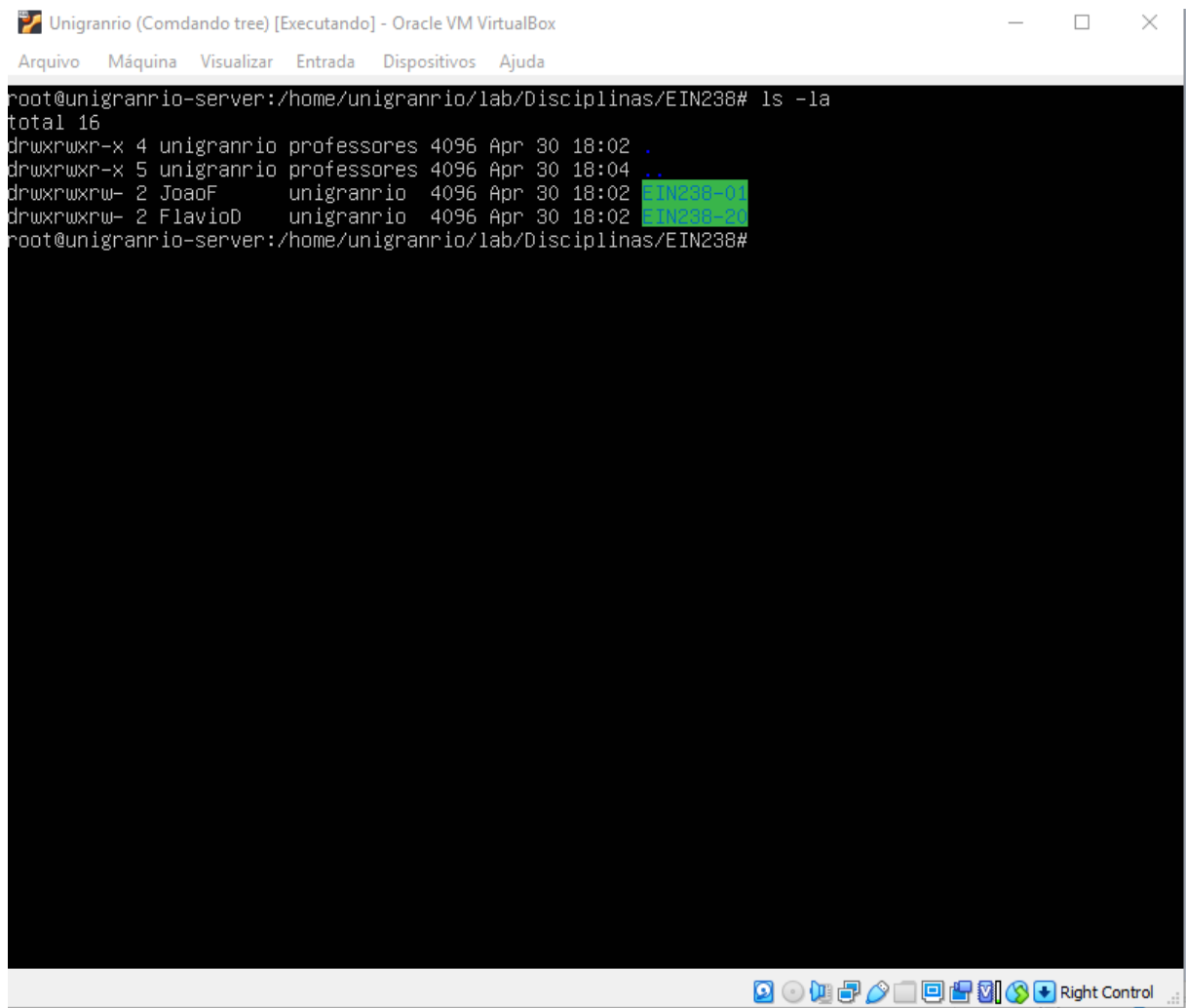


The image shows a terminal window titled "Unigranrio (Comdando tree) [Executando] - Oracle VM VirtualBox". The window has a menu bar with "Arquivo", "Máquina", "Visualizar", "Entrada", "Dispositivos", and "Ajuda". The terminal content shows a user at the prompt "root@unigranrio-server:/home/unigranrio#" running the command "tree". The output is a directory tree structure:

```
tree
├── lab
│   ├── Alunos
│   ├── Disciplinas
│   │   ├── EIN238
│   │   │   ├── EIN238-01
│   │   │   └── EIN238-20
│   │   ├── EIN241
│   │   │   ├── EIN241-20
│   │   │   └── EIN241-21
│   │   └── EIN386
│   │       ├── EIN386-20
│   │       └── EIN386-21
│   └── Professores
└── 13 directories, 0 files
```

The prompt then changes to "root@unigranrio-server:/home/unigranrio# _". The bottom of the window shows a taskbar with various icons and the text "Right Control".

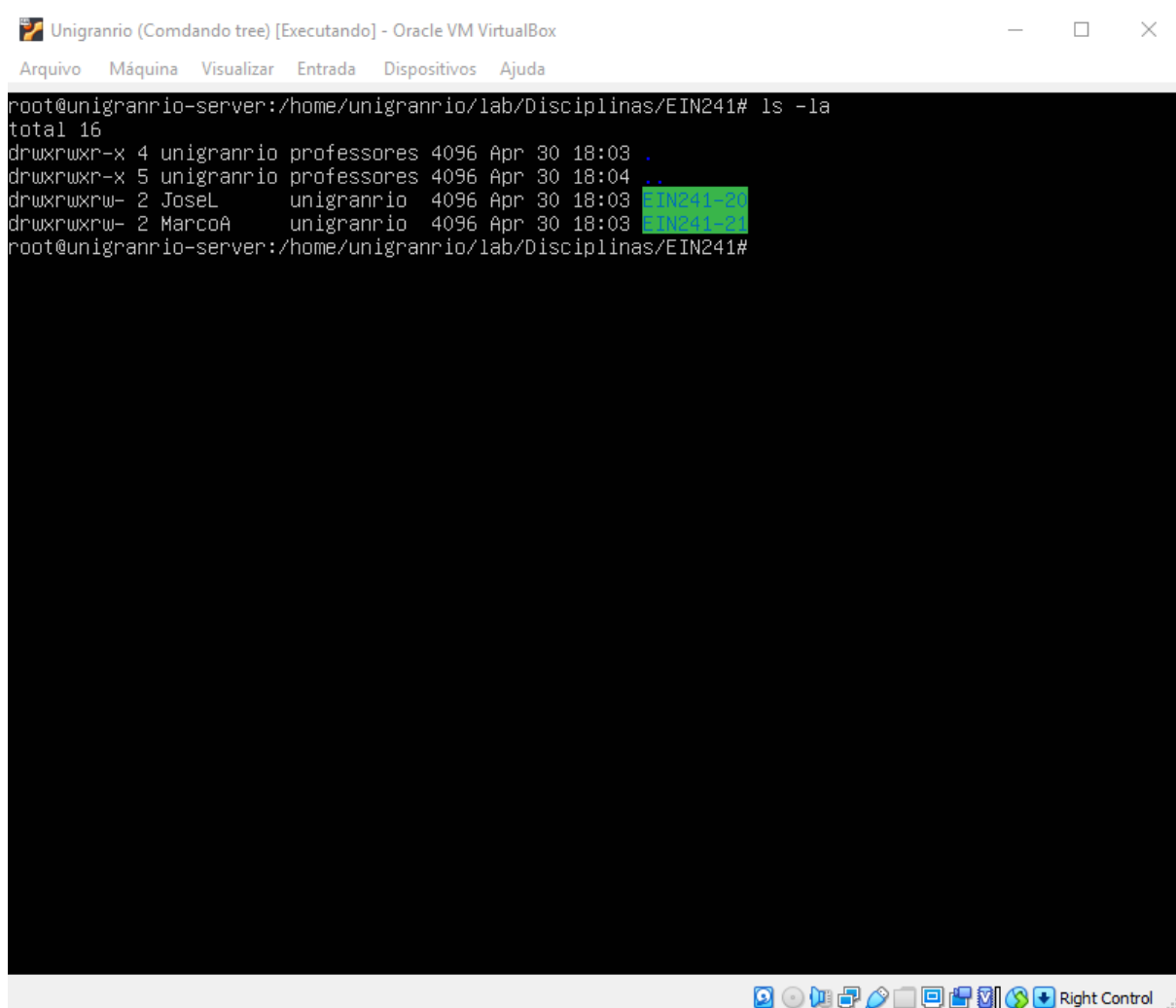
Figura 2 Diretórios



The screenshot shows a terminal window titled "Unigranrio (Comdando tree) [Executando] - Oracle VM VirtualBox". The terminal output shows the command `ls -la` being executed in the directory `/home/unigranrio/lab/Disciplinas/EINE238`. The output lists four entries: a directory `.`, a directory `..`, a file `EINE238-01`, and a file `EINE238-20`. The permissions for the files are `drwxrwxrw-`, the owner is `JoaoF` and `FlavioD`, the group is `unigranrio`, and the size is `4096`. The timestamp is `Apr 30 18:02`. The terminal window has a menu bar with `Arquivo`, `Máquina`, `Visualizar`, `Entrada`, `Dispositivos`, and `Ajuda`. The bottom of the window shows a taskbar with various icons and a `Right Control` button.

```
root@unigranrio-server:/home/unigranrio/lab/Disciplinas/EINE238# ls -la
total 16
drwxrwxr-x 4 unigranrio professores 4096 Apr 30 18:02 .
drwxrwxr-x 5 unigranrio professores 4096 Apr 30 18:04 ..
drwxrwxrw- 2 JoaoF      unigranrio  4096 Apr 30 18:02 EINE238-01
drwxrwxrw- 2 FlavioD    unigranrio  4096 Apr 30 18:02 EINE238-20
root@unigranrio-server:/home/unigranrio/lab/Disciplinas/EINE238#
```

Figura 3 EINE238 – Permissões



The image shows a terminal window titled "Unigranrio (Comando tree) [Executando] - Oracle VM VirtualBox". The window has a menu bar with "Arquivo", "Máquina", "Visualizar", "Entrada", "Dispositivos", and "Ajuda". The terminal content shows the command "ls -la" being executed in the directory "/home/unigranrio/lab/Disciplinas/EIN241#". The output lists four files with their permissions, owner, group, size, and modification time. The last two files, "EIN241-20" and "EIN241-21", are highlighted in green. The prompt "root@unigranrio-server:/home/unigranrio/lab/Disciplinas/EIN241#" is visible at the bottom of the terminal. The window's taskbar at the bottom shows various icons and the text "Right Control".

```
root@unigranrio-server:/home/unigranrio/lab/Disciplinas/EIN241# ls -la
total 16
drwxrwxr-x 4 unigranrio professores 4096 Apr 30 18:03 .
drwxrwxr-x 5 unigranrio professores 4096 Apr 30 18:04 ..
drwxrwxrw- 2 JoseL      unigranrio  4096 Apr 30 18:03 EIN241-20
drwxrwxrw- 2 MarcoA    unigranrio  4096 Apr 30 18:03 EIN241-21
root@unigranrio-server:/home/unigranrio/lab/Disciplinas/EIN241#
```

Figura 4 EIN241 – Permissões

The image shows a terminal window titled "Unigranrio (Comdando tree) [Executando] - Oracle VM VirtualBox". The window has a menu bar with "Arquivo", "Máquina", "Visualizar", "Entrada", "Dispositivos", and "Ajuda". The terminal output shows the command "ls -la" being executed in the directory "/home/unigranrio/lab/Disciplinas/EIN386". The output lists four files: a directory ".", a directory "...", a file "EIN386-20", and a file "EIN386-21". The permissions for each file are shown in the first column: "drwxrwxr-x" for the directories and "drwxrwxrw-" for the files. The owner and group for all files are "unigranrio", and the permissions are "4096". The date and time are "Apr 30 18:04". The terminal prompt is "root@unigranrio-server:/home/unigranrio/lab/Disciplinas/EIN386#". The window has standard window controls (minimize, maximize, close) in the top right corner. The bottom of the window shows a taskbar with various icons and the text "Right Control".

```
root@unigranrio-server:/home/unigranrio/lab/Disciplinas/EIN386# ls -la
total 16
drwxrwxr-x 4 unigranrio professores 4096 Apr 30 18:04 .
drwxrwxr-x 5 unigranrio professores 4096 Apr 30 18:04 ...
drwxrwxrw- 2 EduP      unigranrio  4096 Apr 30 18:04 EIN386-20
drwxrwxrw- 2 AlexL    unigranrio  4096 Apr 30 18:04 EIN386-21
root@unigranrio-server:/home/unigranrio/lab/Disciplinas/EIN386#
```

Figura 5 EIN386 – Permissões

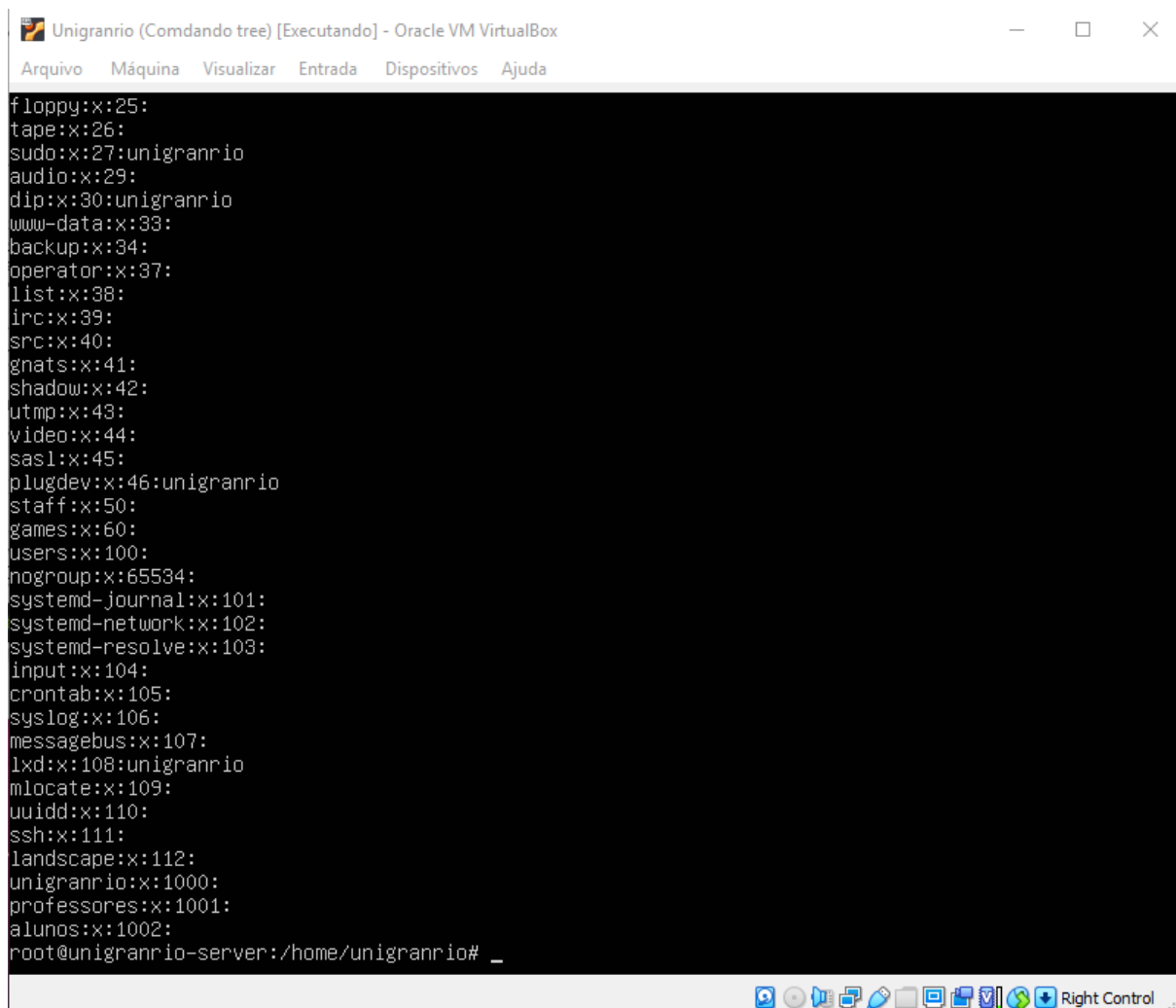
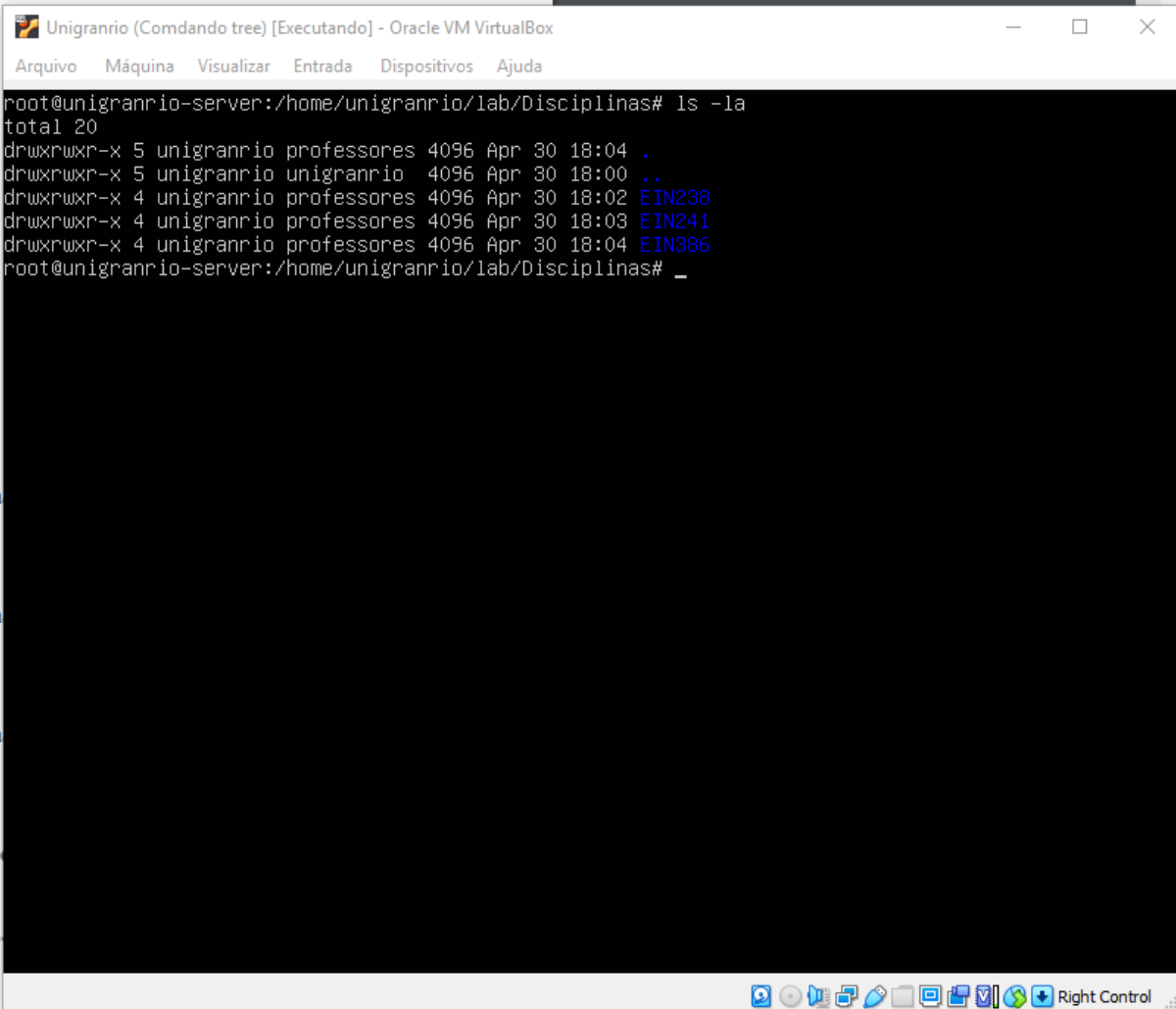


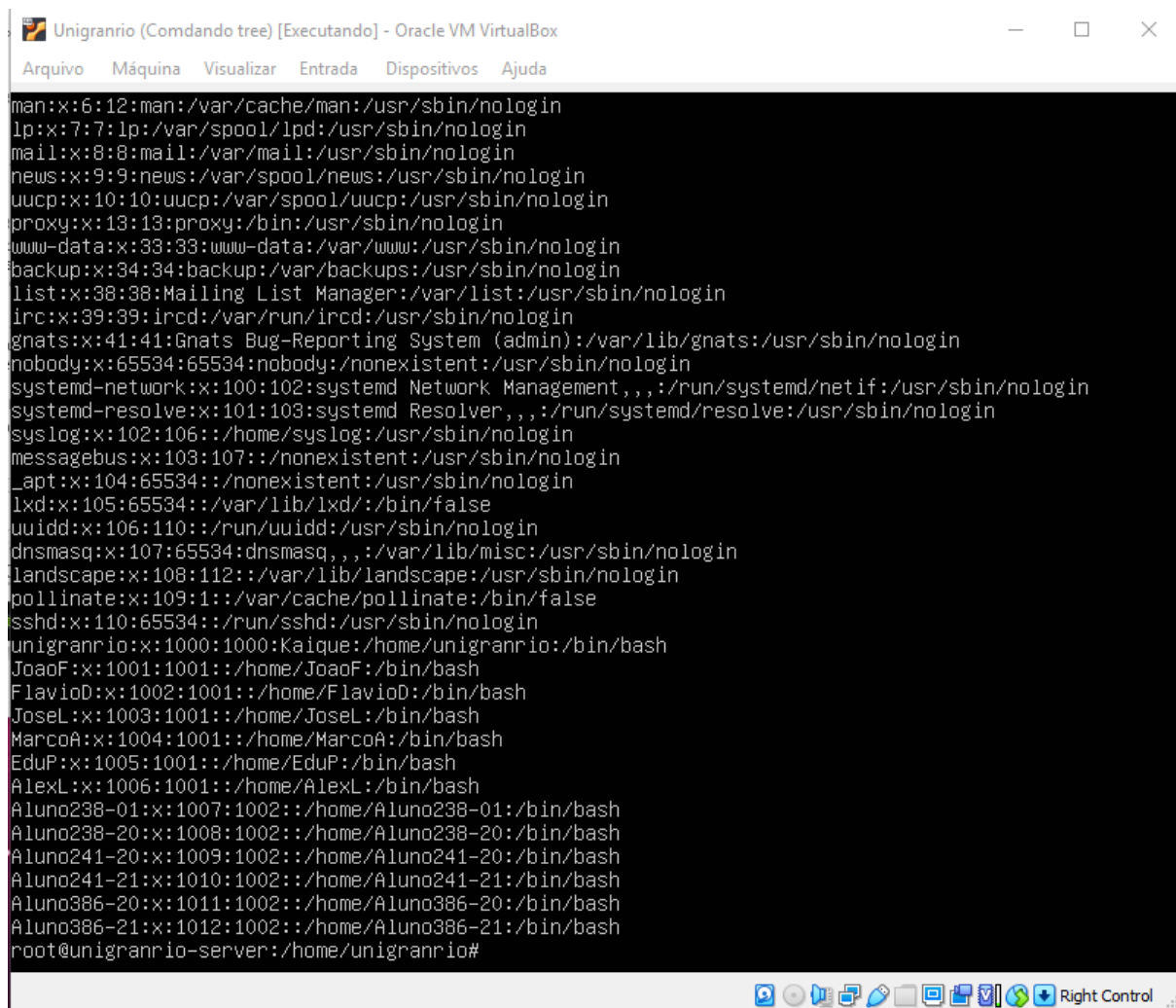
Figura 6 Grupos



The screenshot shows a terminal window titled "Unigranrio (Comdando tree) [Executando] - Oracle VM VirtualBox". The window has a menu bar with "Arquivo", "Máquina", "Visualizar", "Entrada", "Dispositivos", and "Ajuda". The terminal output shows the command "ls -la" being executed in the directory "/home/unigranrio/lab/ Disciplinas". The output lists five entries: a directory ".", a directory "..", and three files named "EIN238", "EIN241", and "EIN386". Each entry shows permissions, owner, group, size, and timestamp. The permissions for all entries are "drwxrwxr-x". The owner for all entries is "unigranrio". The group for all entries is "professores". The size for all entries is "4096". The timestamp for all entries is "Apr 30 18:04".

```
root@unigranrio-server:/home/unigranrio/lab/Disciplinas# ls -la
total 20
drwxrwxr-x 5 unigranrio professores 4096 Apr 30 18:04 .
drwxrwxr-x 5 unigranrio unigranrio 4096 Apr 30 18:00 ..
drwxrwxr-x 4 unigranrio professores 4096 Apr 30 18:02 EIN238
drwxrwxr-x 4 unigranrio professores 4096 Apr 30 18:03 EIN241
drwxrwxr-x 4 unigranrio professores 4096 Apr 30 18:04 EIN386
root@unigranrio-server:/home/unigranrio/lab/Disciplinas# _
```

Figura 7 Permissões Disciplinas



```
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-network:x:100:102:systemd Network Management,,,:/run/systemd/netif:/usr/sbin/nologin
systemd-resolve:x:101:103:systemd Resolver,,,:/run/systemd/resolve:/usr/sbin/nologin
syslog:x:102:106::/home/syslog:/usr/sbin/nologin
messagebus:x:103:107::/nonexistent:/usr/sbin/nologin
_apt:x:104:65534::/nonexistent:/usr/sbin/nologin
lxd:x:105:65534::/var/lib/lxd/:/bin/false
uidd:x:106:110::/run/uidd:/usr/sbin/nologin
dnsmasq:x:107:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin
landscape:x:108:112::/var/lib/landscape:/usr/sbin/nologin
pollinate:x:109:1::/var/cache/pollinate:/bin/false
sshd:x:110:65534::/run/sshd:/usr/sbin/nologin
unigranrio:x:1000:1000:Kaique:/home/unigranrio:/bin/bash
JoadF:x:1001:1001::/home/JoadF:/bin/bash
FlavioD:x:1002:1001::/home/FlavioD:/bin/bash
JoseL:x:1003:1001::/home/JoseL:/bin/bash
MarcoA:x:1004:1001::/home/MarcoA:/bin/bash
EduP:x:1005:1001::/home/EduP:/bin/bash
AlexL:x:1006:1001::/home/AlexL:/bin/bash
Aluno238-01:x:1007:1002::/home/Aluno238-01:/bin/bash
Aluno238-20:x:1008:1002::/home/Aluno238-20:/bin/bash
Aluno241-20:x:1009:1002::/home/Aluno241-20:/bin/bash
Aluno241-21:x:1010:1002::/home/Aluno241-21:/bin/bash
Aluno386-20:x:1011:1002::/home/Aluno386-20:/bin/bash
Aluno386-21:x:1012:1002::/home/Aluno386-21:/bin/bash
root@unigranrio-server:/home/unigranrio#
```

Figura 8 Usuários