

BIG DATA



APLICAÇÕES DE BIG DATA COM HADOOP

Disciplina: Aplicações de Big Data com Hadoop

Tema da Aula: Linux, comandos básicos

Coordenação:

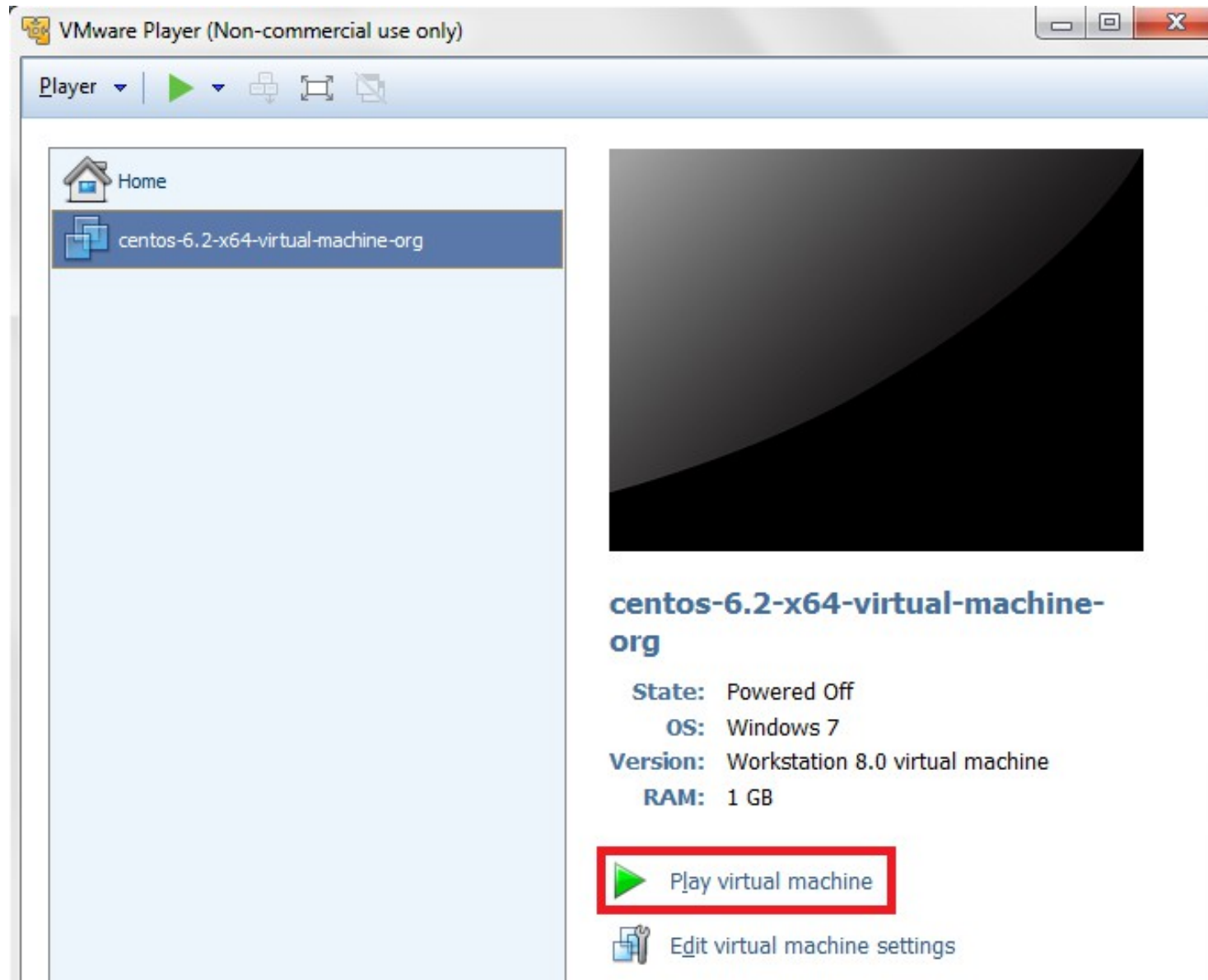
**Prof. Dr. Adolpho Walter
Pimazzi Canton**

**Profª. Dra. Alessandra de
Ávila Montini**

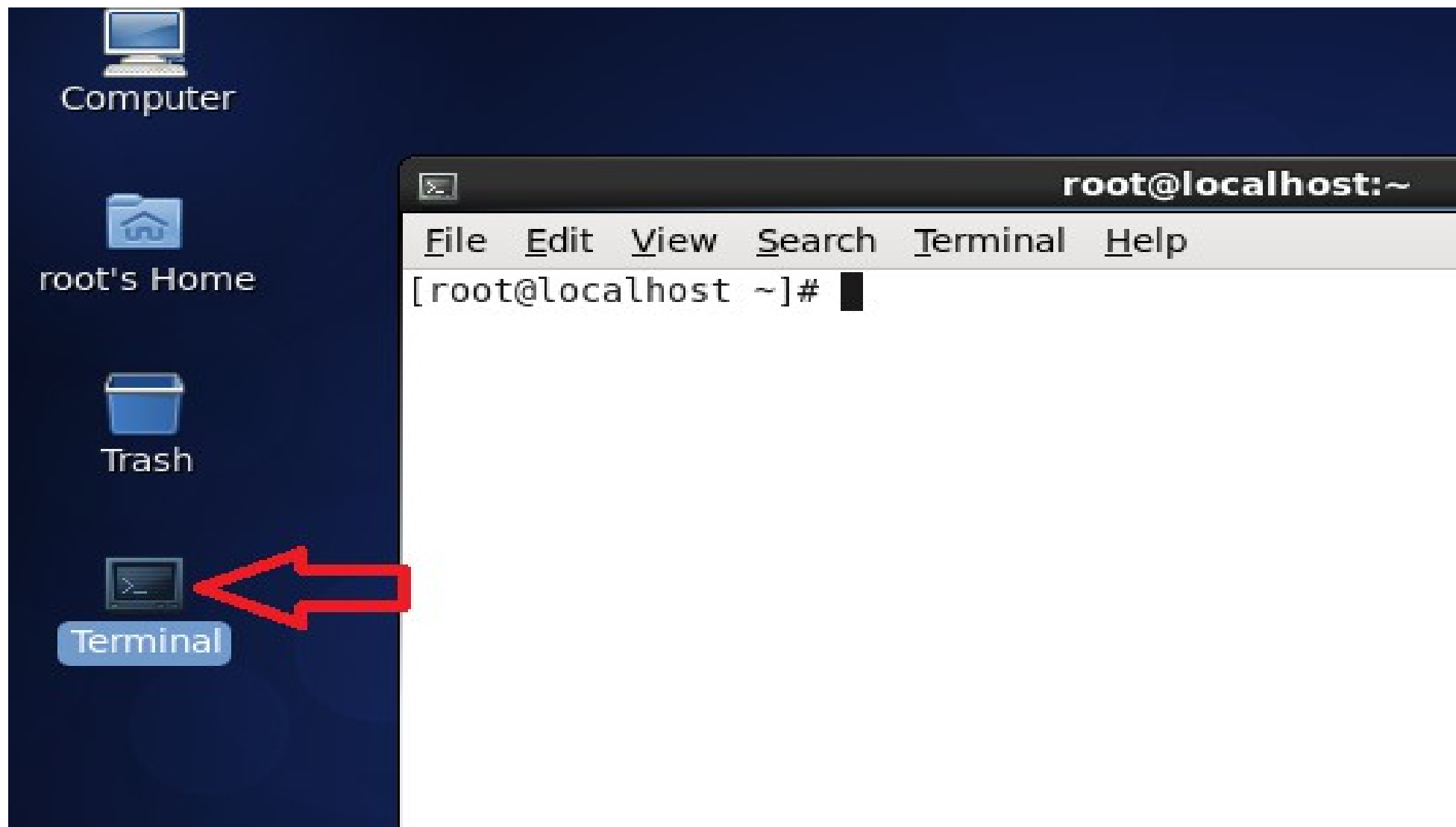
Prof. Bruno Paulinelli

Junho de 2016

- Iniciar a VM

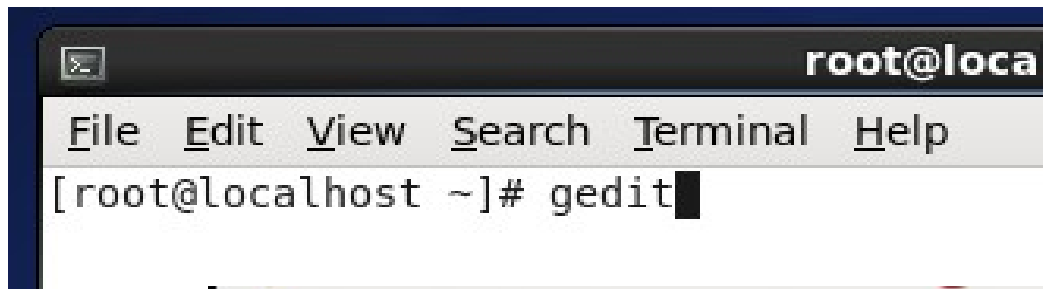


- Abrir terminal

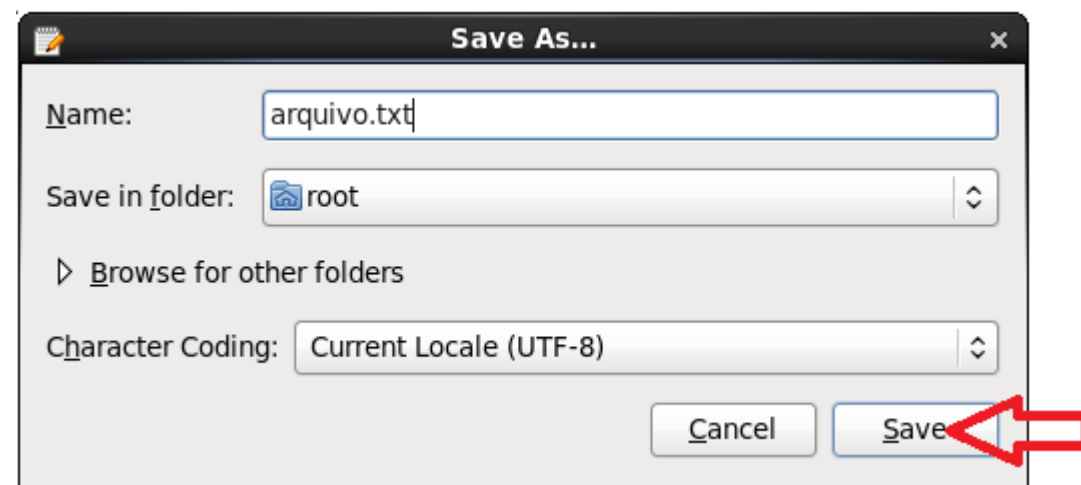
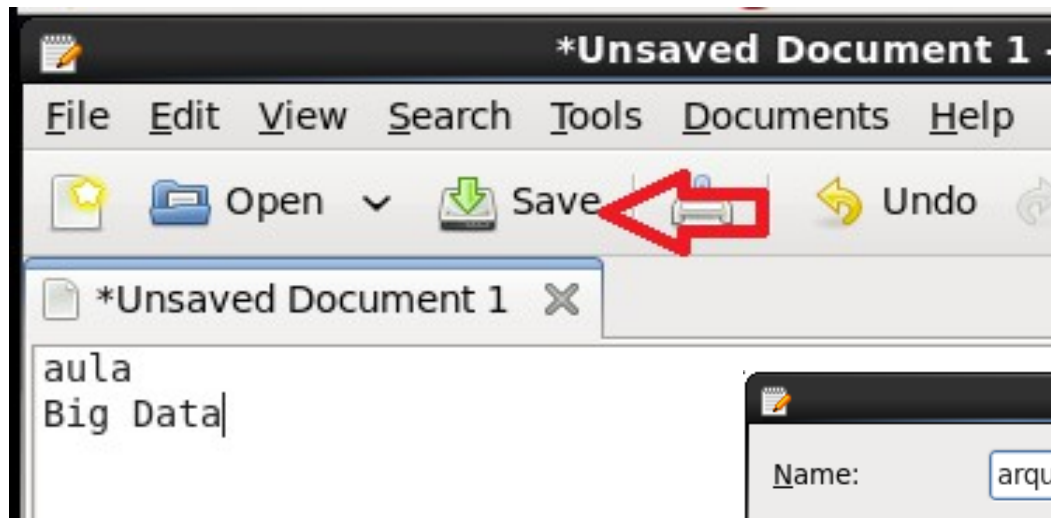


- Comandos básicos linux

gedit – Abre editor de arquivo



```
root@localhost  
File Edit View Search Terminal Help  
[root@localhost ~]# gedit
```



- Comandos básicos linux

ls – Lista o conteúdo

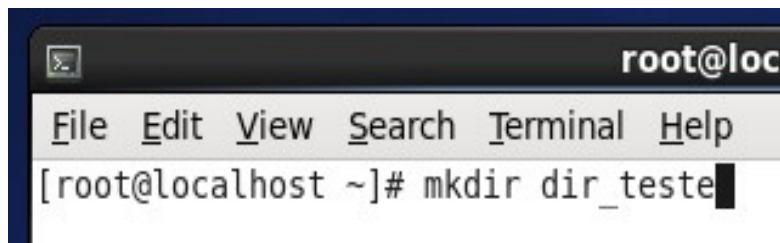
```

root@localhost:~
File Edit View Search Terminal Help
[root@localhost ~]# ls
anaconda-ks.cfg Desktop Music post-install.log Templates
arquivo.txt Documents Pictures procedimento_v2.txt Videos
arquivo.txt~ Downloads post-install Public
[root@localhost ~]# ls -l
total 64
-rw-----. 1 root root 716 Mar 19 2012 anaconda-ks.cfg
-rw-r--r--. 1 root root 19 May 7 19:46 arquivo.txt
-rw-r--r--. 1 root root 19 May 7 19:45 arquivo.txt~
drwxr-xr-x. 2 root root 4096 Oct 5 2015 Desktop
drwxr-xr-x. 2 root root 4096 Oct 5 2015 Documents
drwxr-xr-x. 2 root root 4096 Oct 5 2015 Downloads
drwxr-xr-x. 2 root root 4096 Oct 5 2015 Music
drwxr-xr-x. 2 root root 4096 Oct 5 2015 Pictures
-rw-r--r--. 1 root root 12148 Dec 16 2011 post-install
-rw-r--r--. 1 root root 552 Dec 16 2011 post-install.log
-rw-r--r--. 1 root root 1441 Oct 5 2015 procedimento_v2.txt
drwxr-xr-x. 2 root root 4096 Oct 5 2015 Public
drwxr-xr-x. 2 root root 4096 Oct 5 2015 Templates
drwxr-xr-x. 2 root root 4096 Oct 5 2015 Videos
[root@localhost ~]# ls -lt
total 64
-rw-r--r--. 1 root root 19 May 7 19:46 arquivo.txt
-rw-r--r--. 1 root root 19 May 7 19:45 arquivo.txt~
drwxr-xr-x. 2 root root 4096 Oct 5 2015 Downloads
-rw-r--r--. 1 root root 1441 Oct 5 2015 procedimento_v2.txt

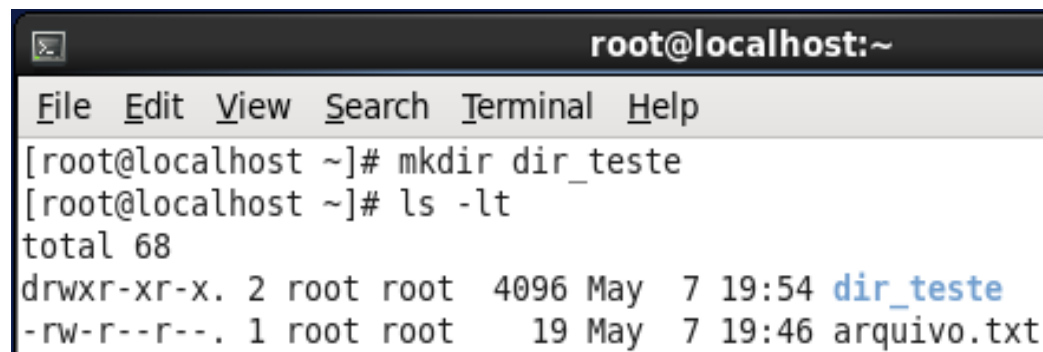
```

- Comandos básicos linux

mkdir – cria diretório



```
root@loc
File Edit View Search Terminal Help
[root@localhost ~]# mkdir dir_teste
```



```
root@localhost:~
File Edit View Search Terminal Help
[root@localhost ~]# mkdir dir_teste
[root@localhost ~]# ls -lt
total 68
drwxr-xr-x. 2 root root 4096 May  7 19:54 dir_teste
-rw-r--r--. 1 root root   19 May  7 19:46 arquivo.txt
```

- Comandos básicos linux

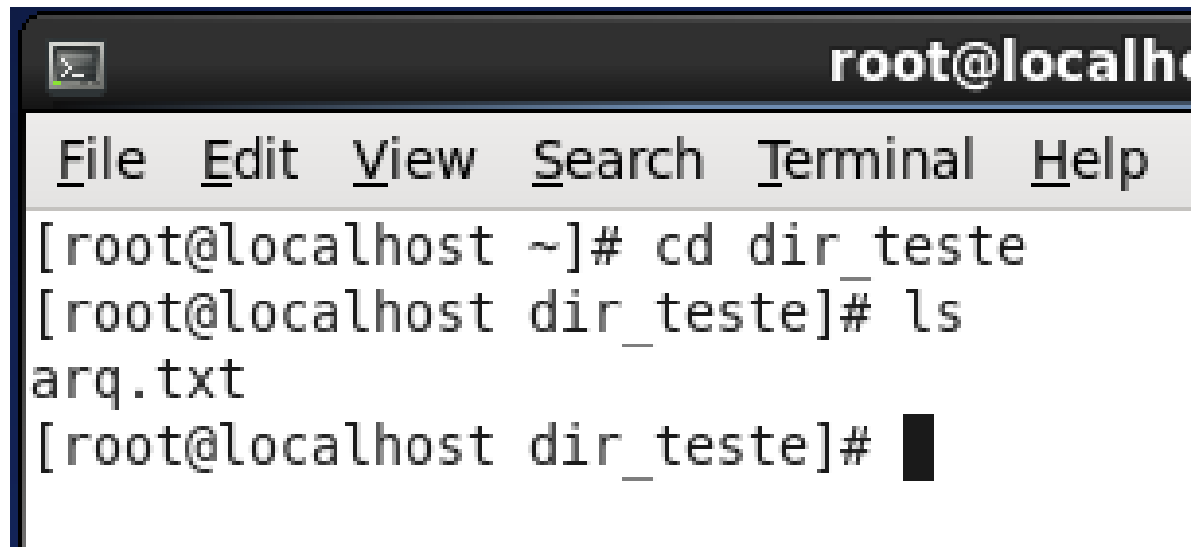
mv – renomeia ou move

```
root@localhost:~  
File Edit View Search Terminal Help  
[root@localhost ~]# mv arquivo.txt arq.txt  
[root@localhost ~]# ls -lt  
total 68  
drwxr-xr-x. 2 root root 4096 May  7 19:54 dir_teste  
-rw-r--r--. 1 root root   19 May  7 19:46 arq.txt
```

```
root@localhost  
File Edit View Search Terminal Help  
[root@localhost ~]# mv arq.txt dir_teste  
[root@localhost ~]# ls dir_teste  
arq.txt  
[root@localhost ~]#
```


- Comandos básicos linux

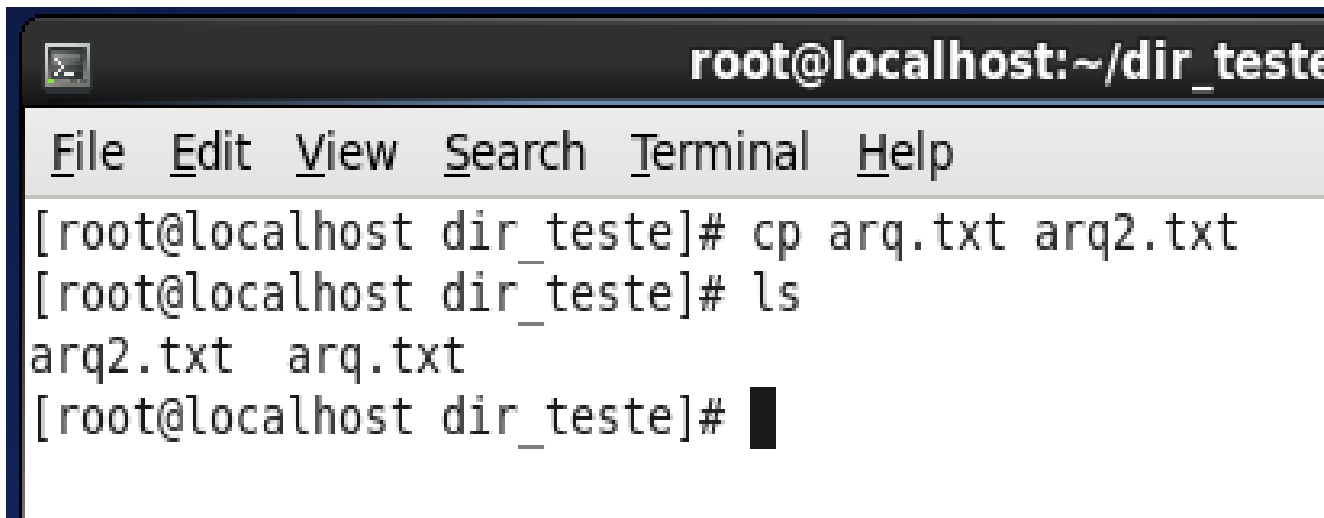
cd – muda de diretório



```
root@localhost
File Edit View Search Terminal Help
[root@localhost ~]# cd dir_teste
[root@localhost dir_teste]# ls
arq.txt
[root@localhost dir_teste]#
```

- Comandos básicos linux

cp - copia



```
root@localhost:~/dir_teste
File Edit View Search Terminal Help
[root@localhost dir_teste]# cp arq.txt arq2.txt
[root@localhost dir_teste]# ls
arq2.txt  arq.txt
[root@localhost dir_teste]#
```

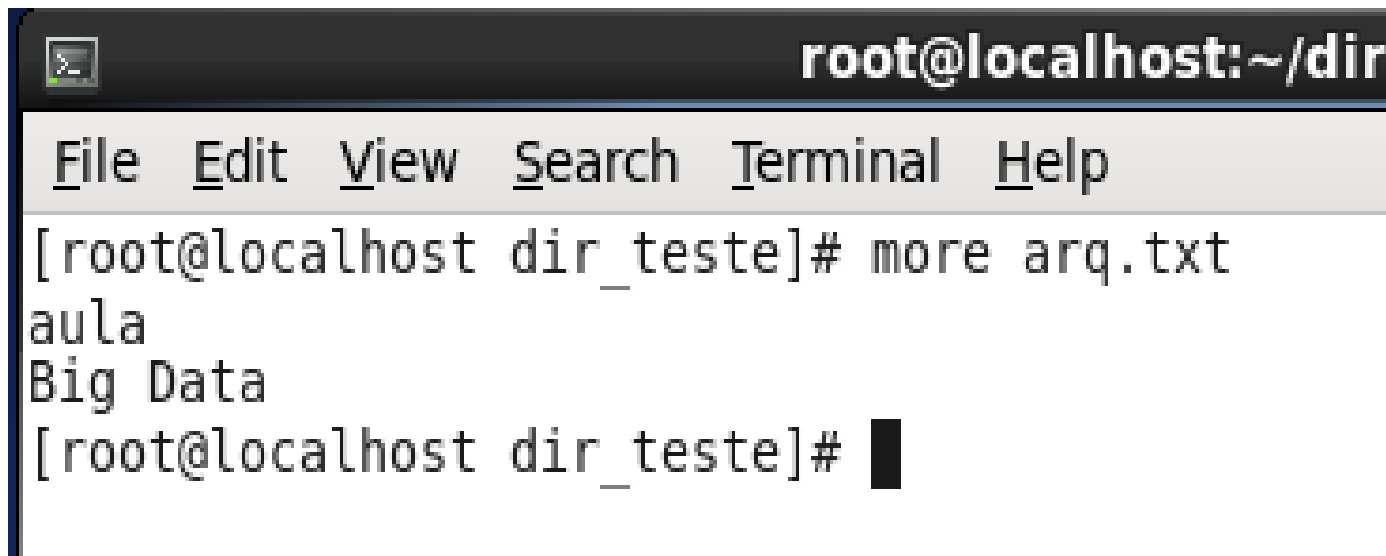
- Comandos básicos linux

chmod – altera permissões

```
root@localhost:~/dir_teste
File Edit View Search Terminal Help
[root@localhost dir_teste]# ls -l
total 8
-rw-r--r--. 1 root root 19 May  7 20:00 arq2.txt
-rw-r--r--. 1 root root 19 May  7 19:46 arq.txt
[root@localhost dir_teste]# ll
total 8
-rw-r--r--. 1 root root 19 May  7 20:00 arq2.txt
-rw-r--r--. 1 root root 19 May  7 19:46 arq.txt
[root@localhost dir_teste]# chmod 777 *
[root@localhost dir_teste]# ll
total 8
-rwxrwxrwx. 1 root root 19 May  7 20:00 arq2.txt
-rwxrwxrwx. 1 root root 19 May  7 19:46 arq.txt
[root@localhost dir_teste]#
```

- Comandos básicos linux

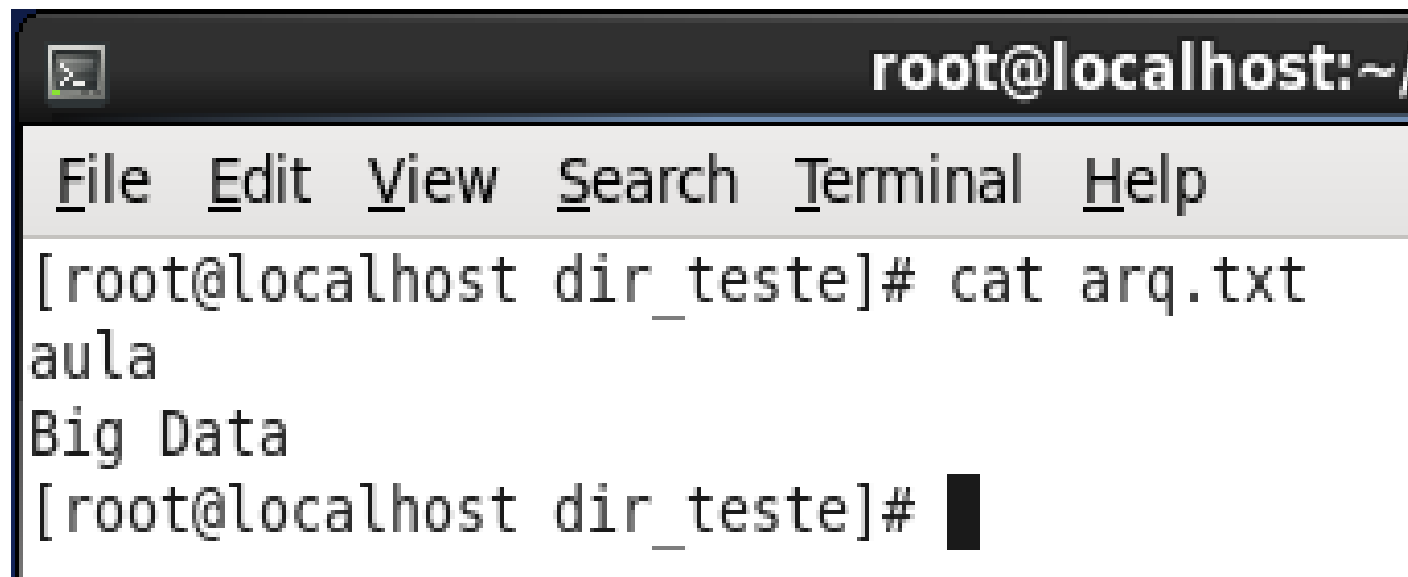
more – mostra o conteúdo do arquivo paginando



```
root@localhost:~/dir_  
File Edit View Search Terminal Help  
[root@localhost dir_teste]# more arq.txt  
aula  
Big Data  
[root@localhost dir_teste]#
```

- Comandos básicos linux

cat – mostra todo conteúdo do arquivo



```
root@localhost:~/  
File Edit View Search Terminal Help  
[root@localhost dir_teste]# cat arq.txt  
aula  
Big Data  
[root@localhost dir_teste]#
```

- Comandos básicos linux

grep – pesquisa o conteúdo de um arquivo

```
root@localhost:~/dir_tes
File Edit View Search Terminal Help
[root@localhost dir_teste]# cat arq.txt
aula
Big Data
[root@localhost dir_teste]# grep aula arq.txt
aula
[root@localhost dir_teste]# grep big arq.txt
[root@localhost dir_teste]# grep -i big arq.txt:
Big Data
```


- Comandos básicos linux

rm – remove o arquivo

```
root@localhost:~/dir_teste
File Edit View Search Terminal Help
[root@localhost dir_teste]# ls arq.txt
arq.txt
[root@localhost dir_teste]# rm arq.txt
rm: remove regular file `arq.txt'? y
[root@localhost dir_teste]# ls arq.txt
ls: cannot access arq.txt: No such file or directory
[root@localhost dir_teste]# cd ~
[root@localhost ~]#
```

Prof. Bruno Paulinelli



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