

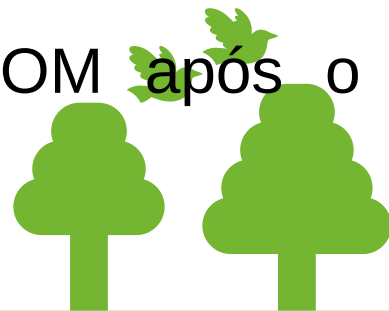
Tutorial para gerar com o Clonezilla a imagem do SSD/HDD do sistema operacional atualizado e customizado

Este tutorial sintético em “prints” é continuação do tutorial 3-InstalarSOnoKVMLinux e continua com o boot da ISO do utilitário clonezilla.

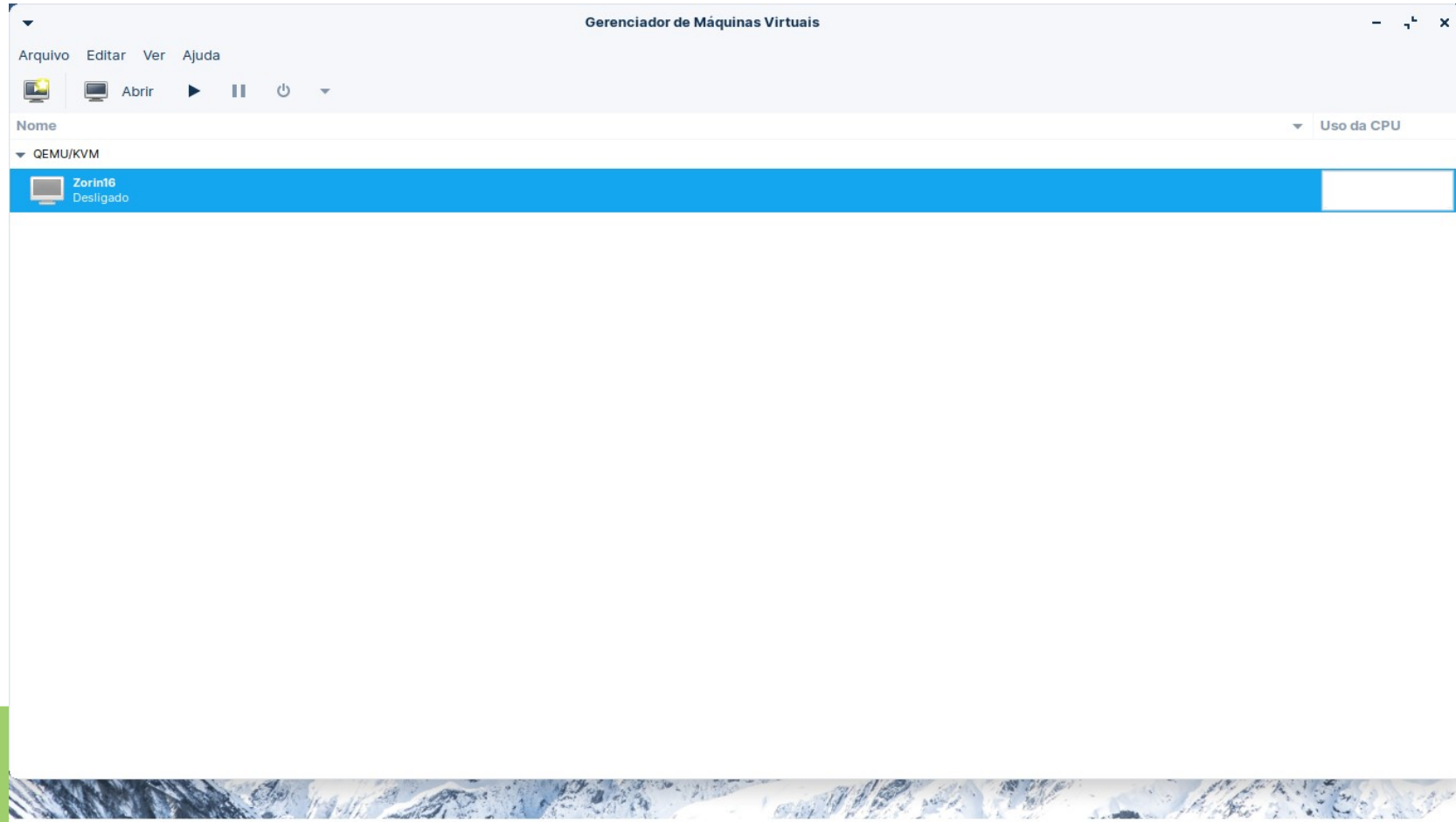


Requisitos iniciais

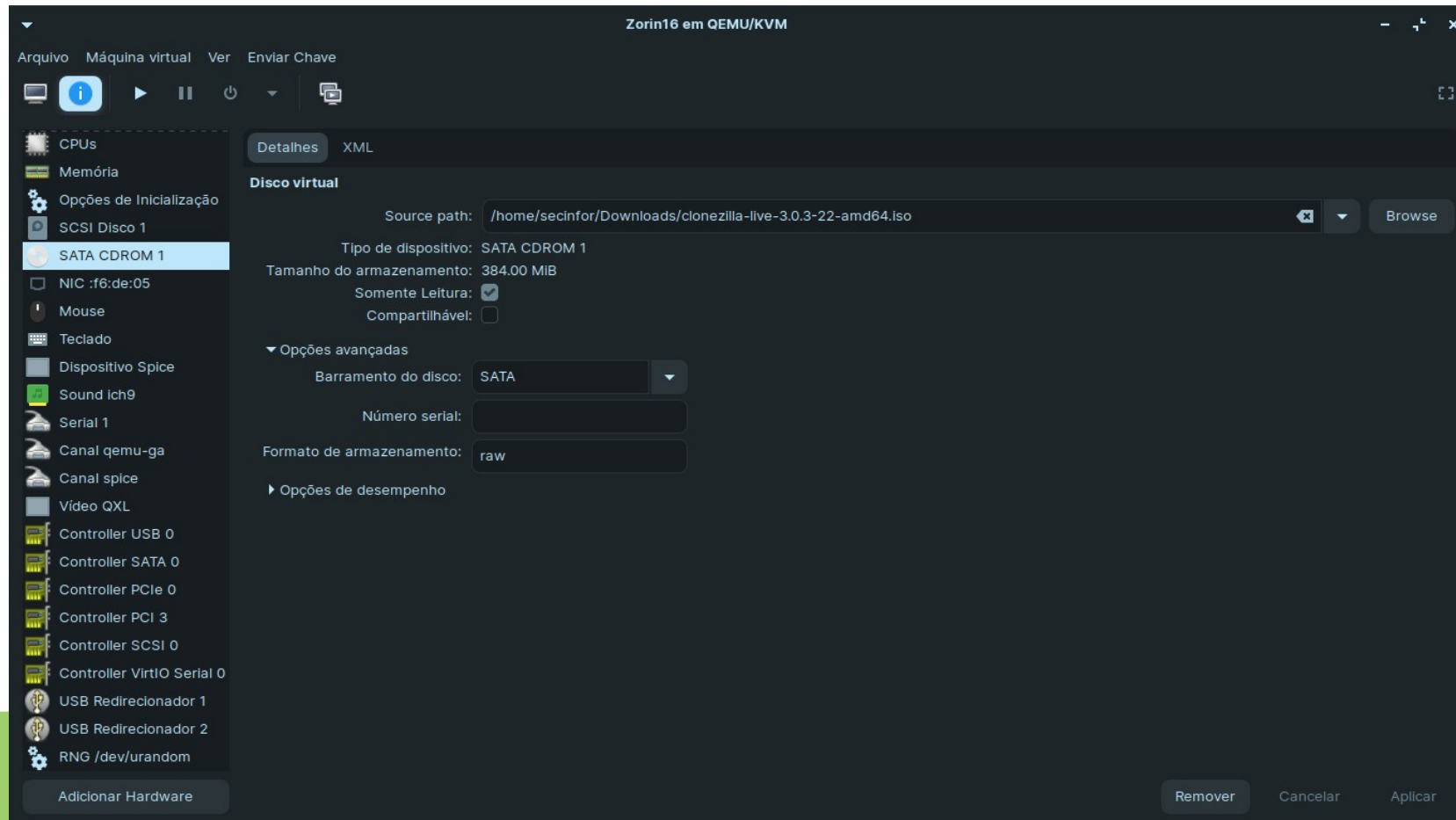
- Baixar na pasta Downloads o arquivo em formato ISO do clonezilla.
- A VM deve estar configurada para que o Source path do CD-ROM aponte para o arquivo ISO do clonezilla, na pasta Downloads.
- Não esqueça de desabilitar o boot pelo CD-ROM após o desligamento da VM.



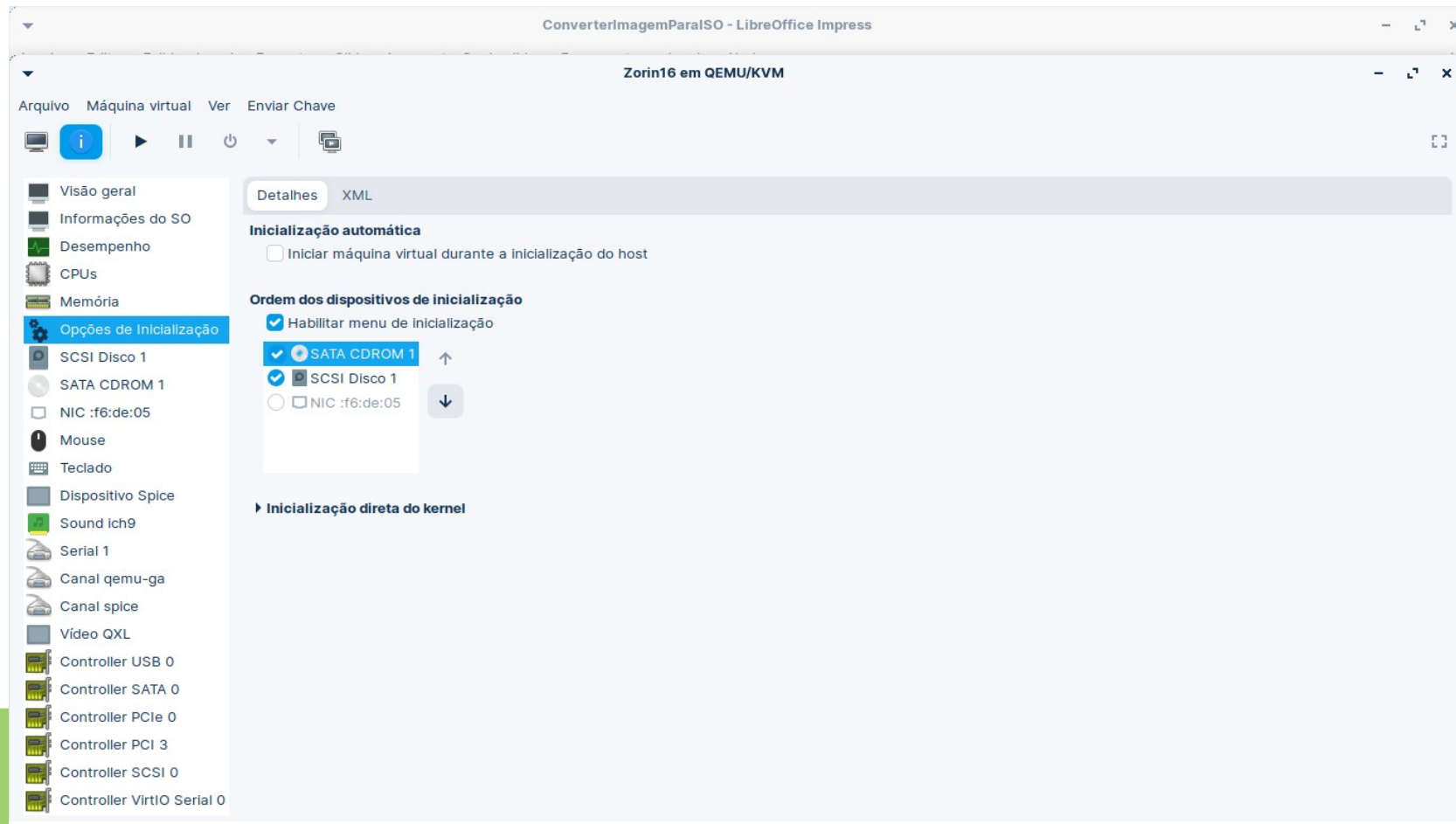
Selecionar a VM para criar a imagem clone do HDD e clicar em Abrir



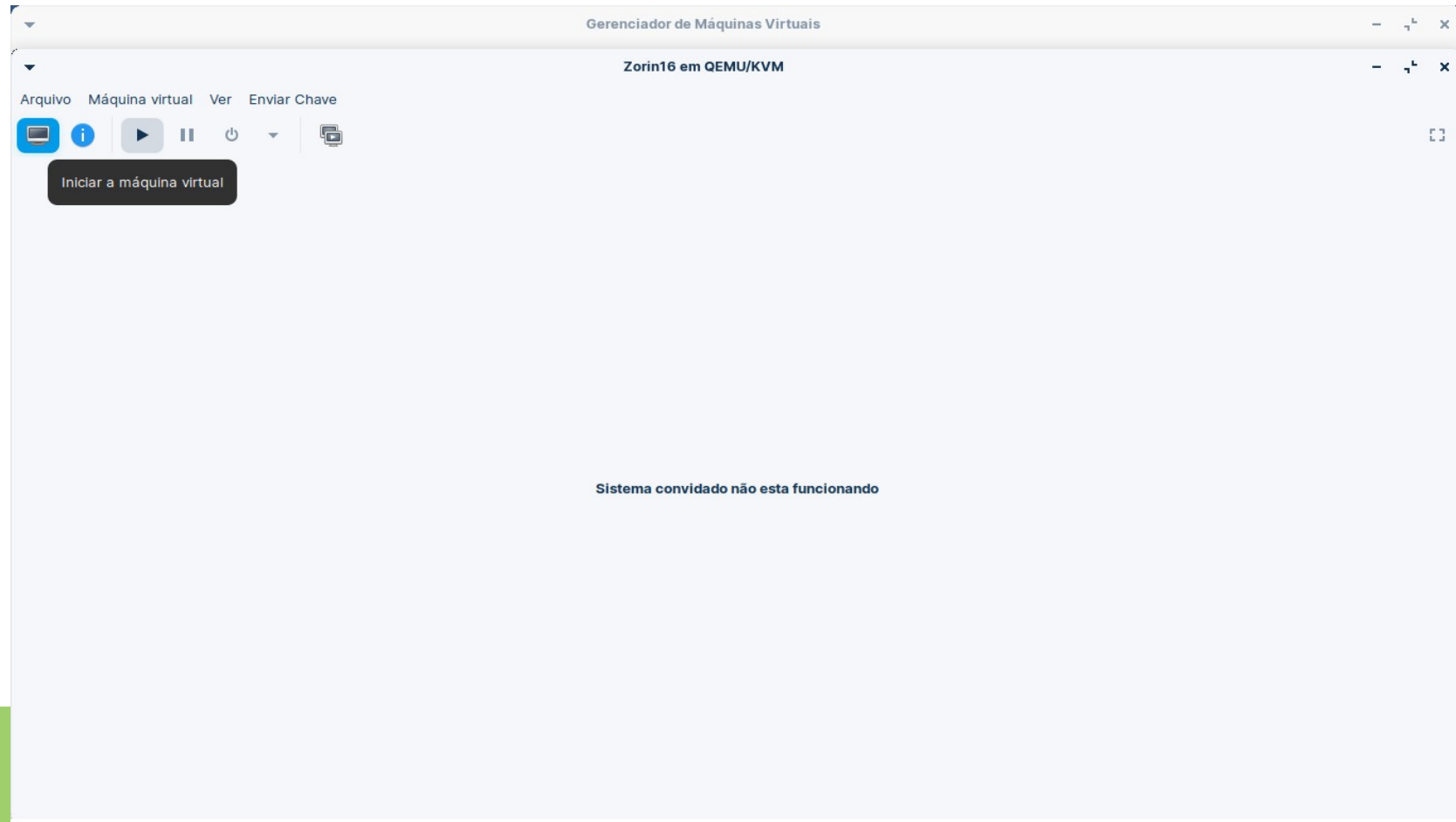
Alterar o arquivo em SATA CD-ROM 1 para o caminho do ISO do clonezilla em Downloads



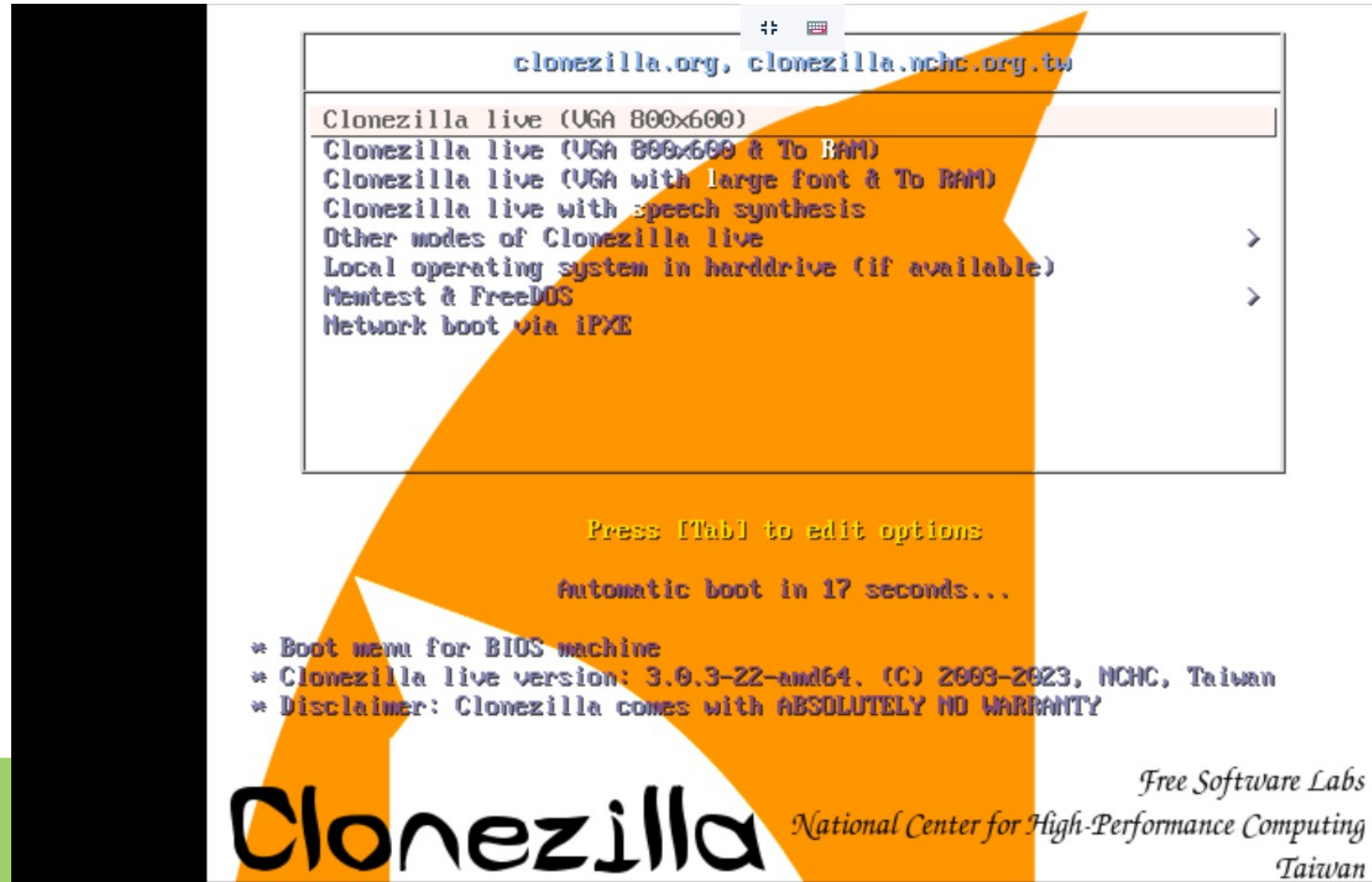
Habilitar e mover para cima o drive CD-ROM



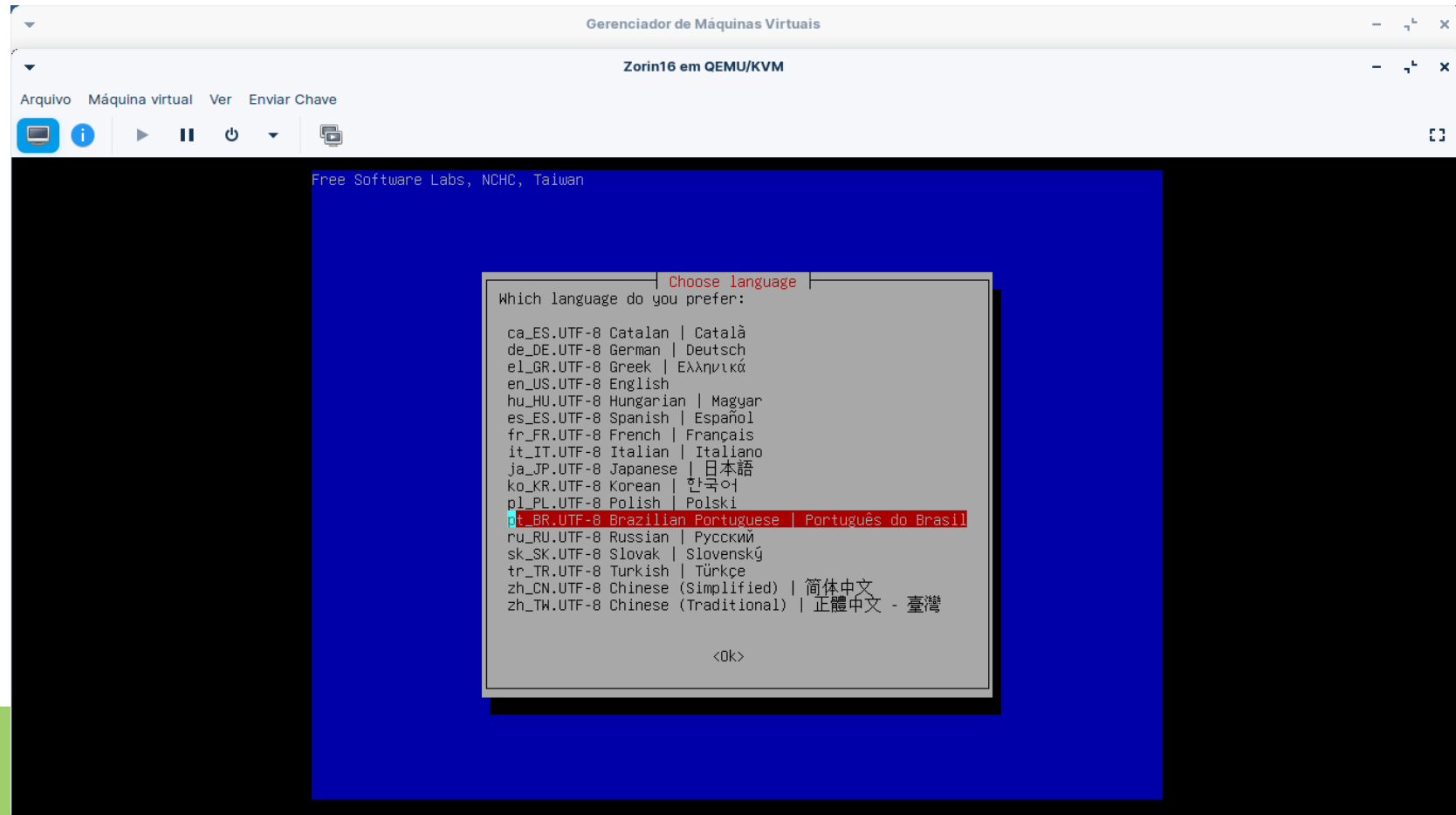
Clicar no ícone Iniciar a Máquina virtual



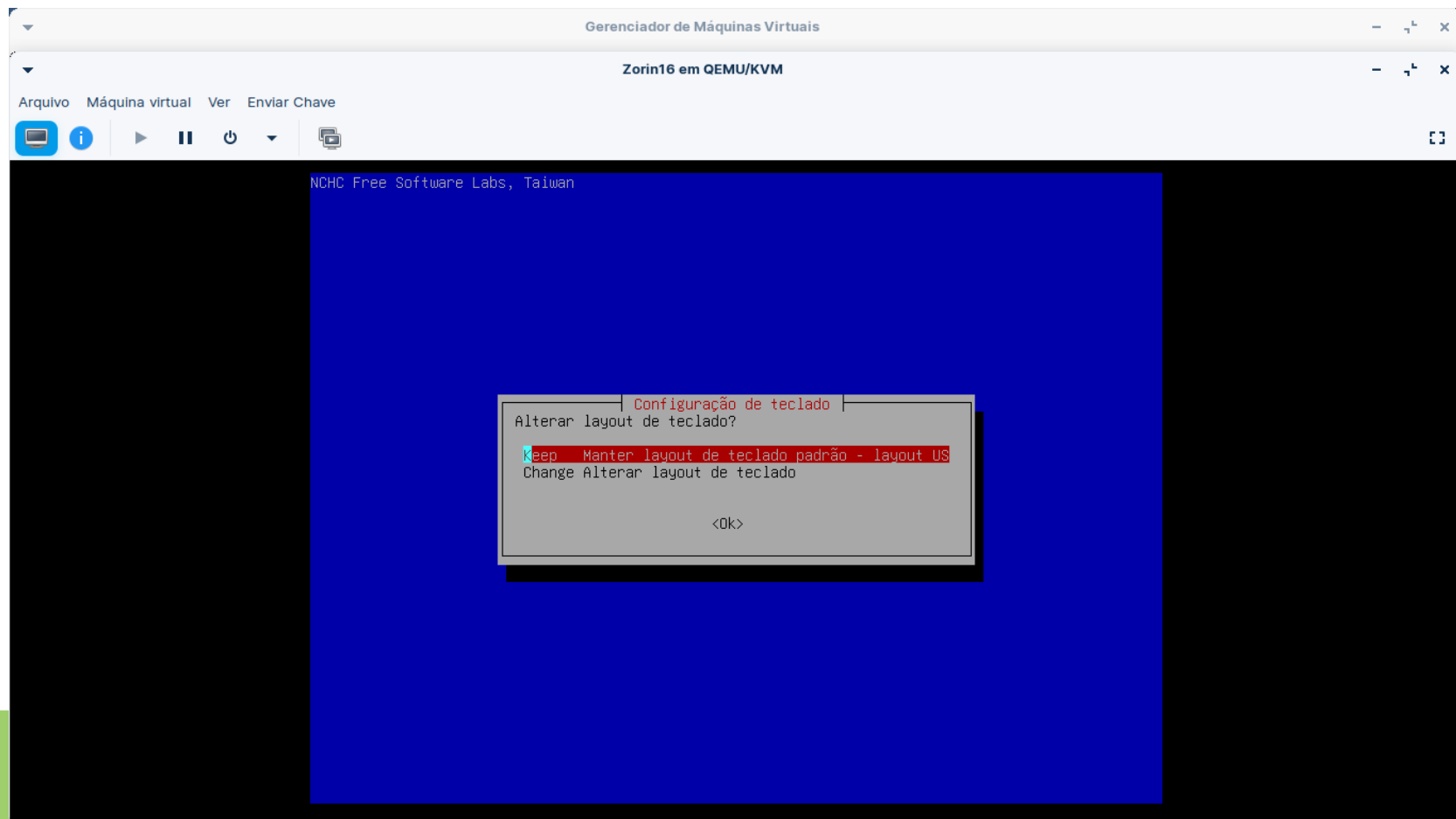
Aguardar tela de boot do clonezilla e teclar ENTER



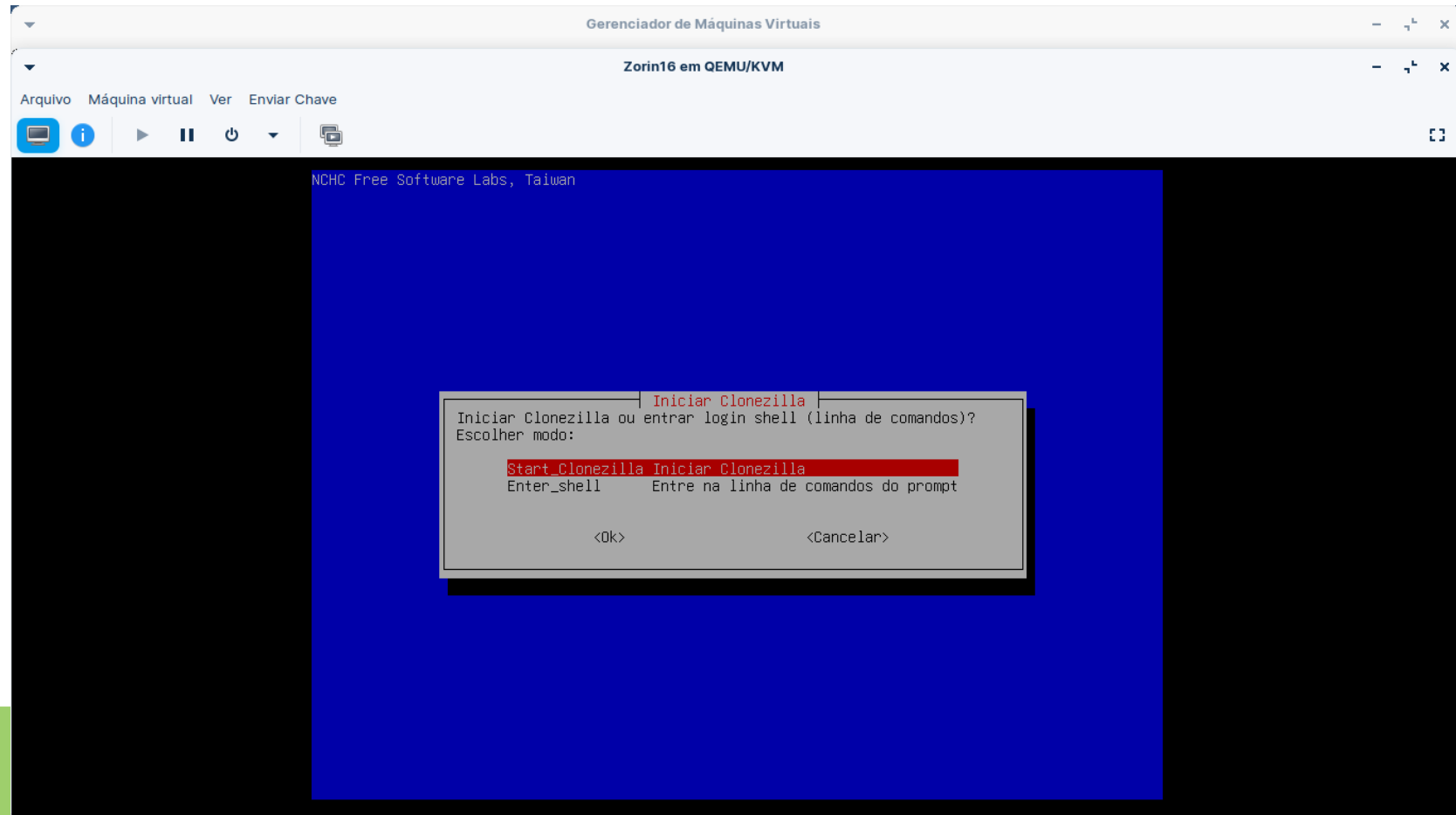
Selecionar a linguagem Português do Brasil



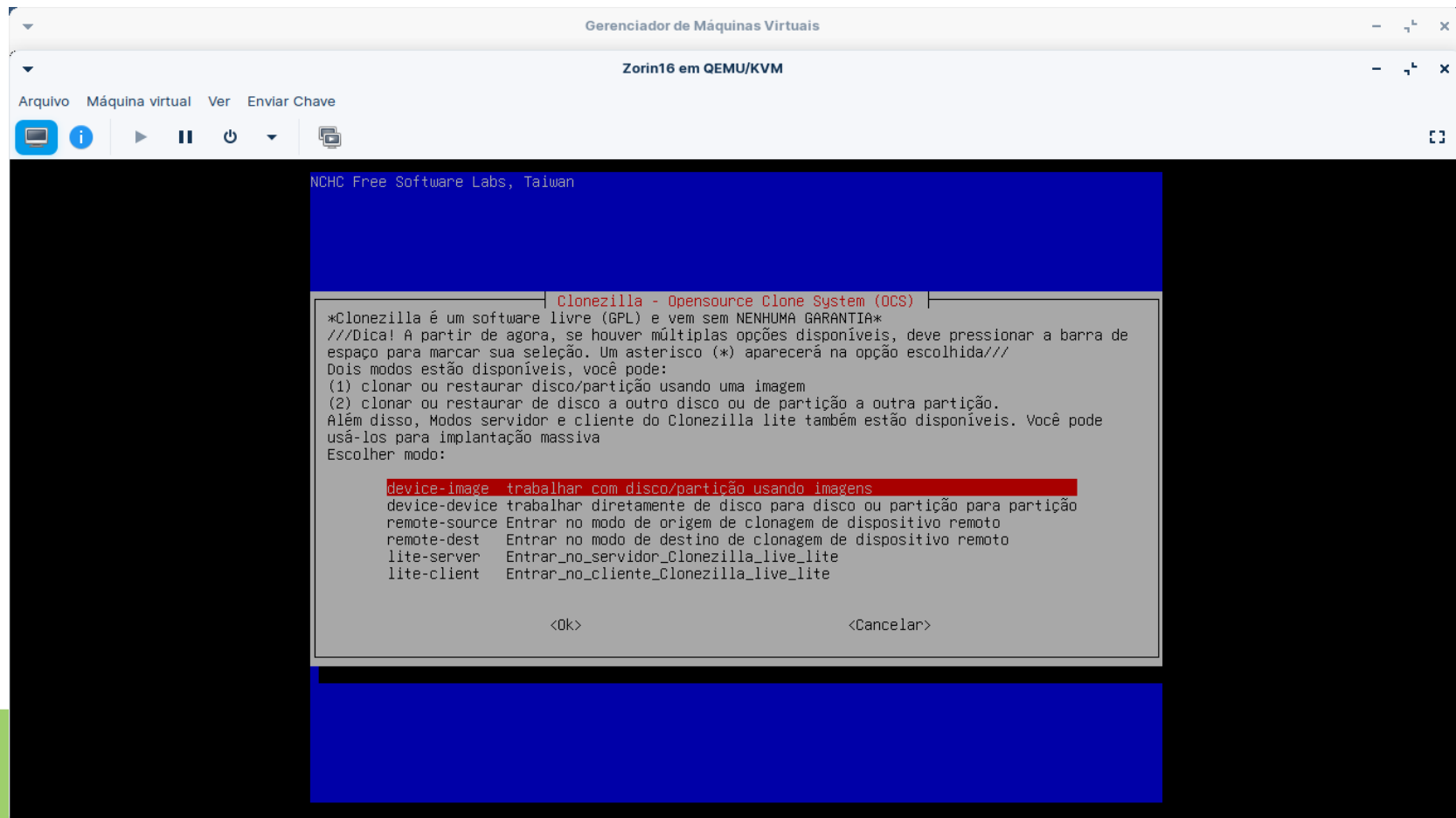
Teclar Enter para manter o layout



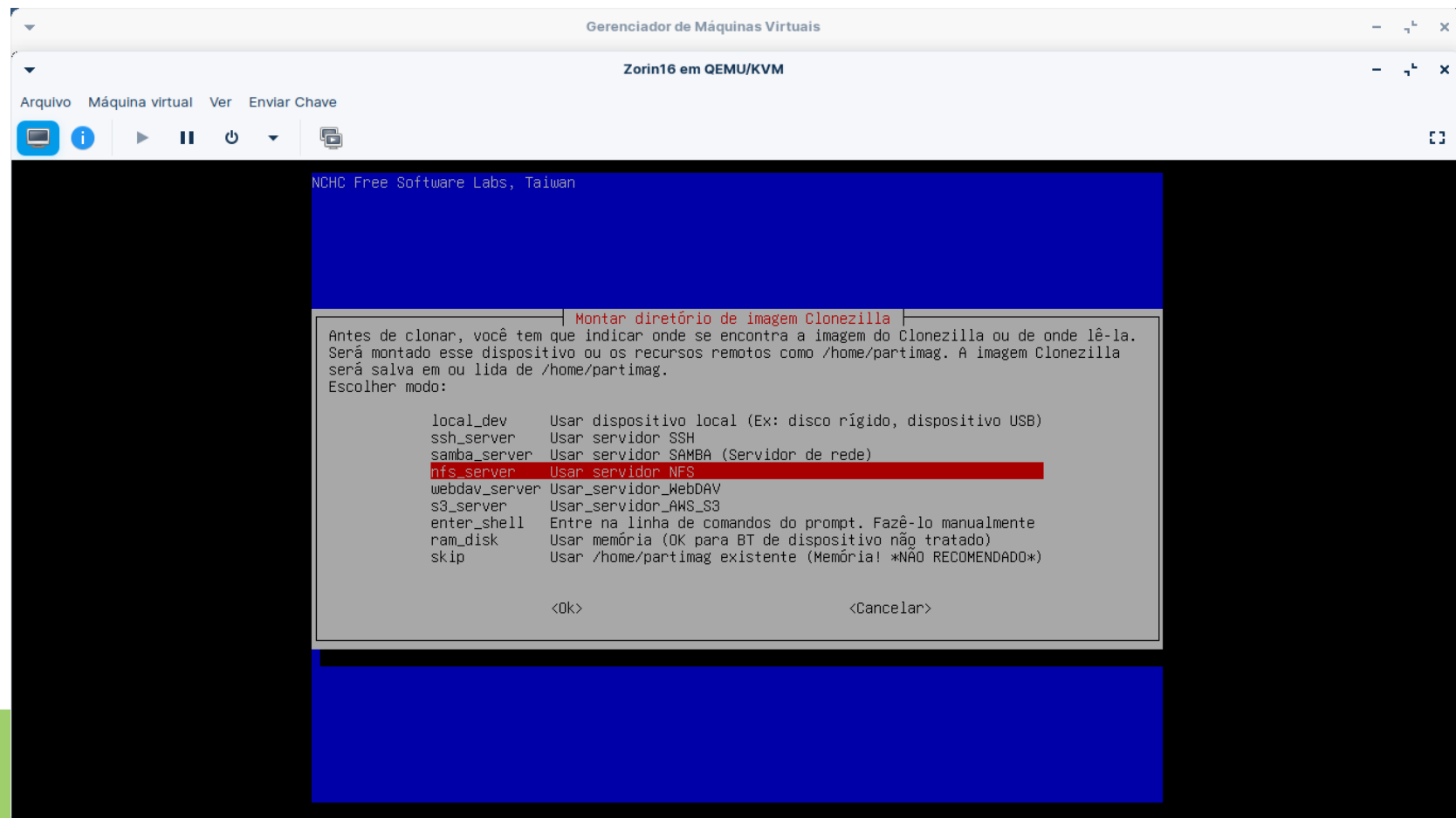
Teclar Enter para prosseguir



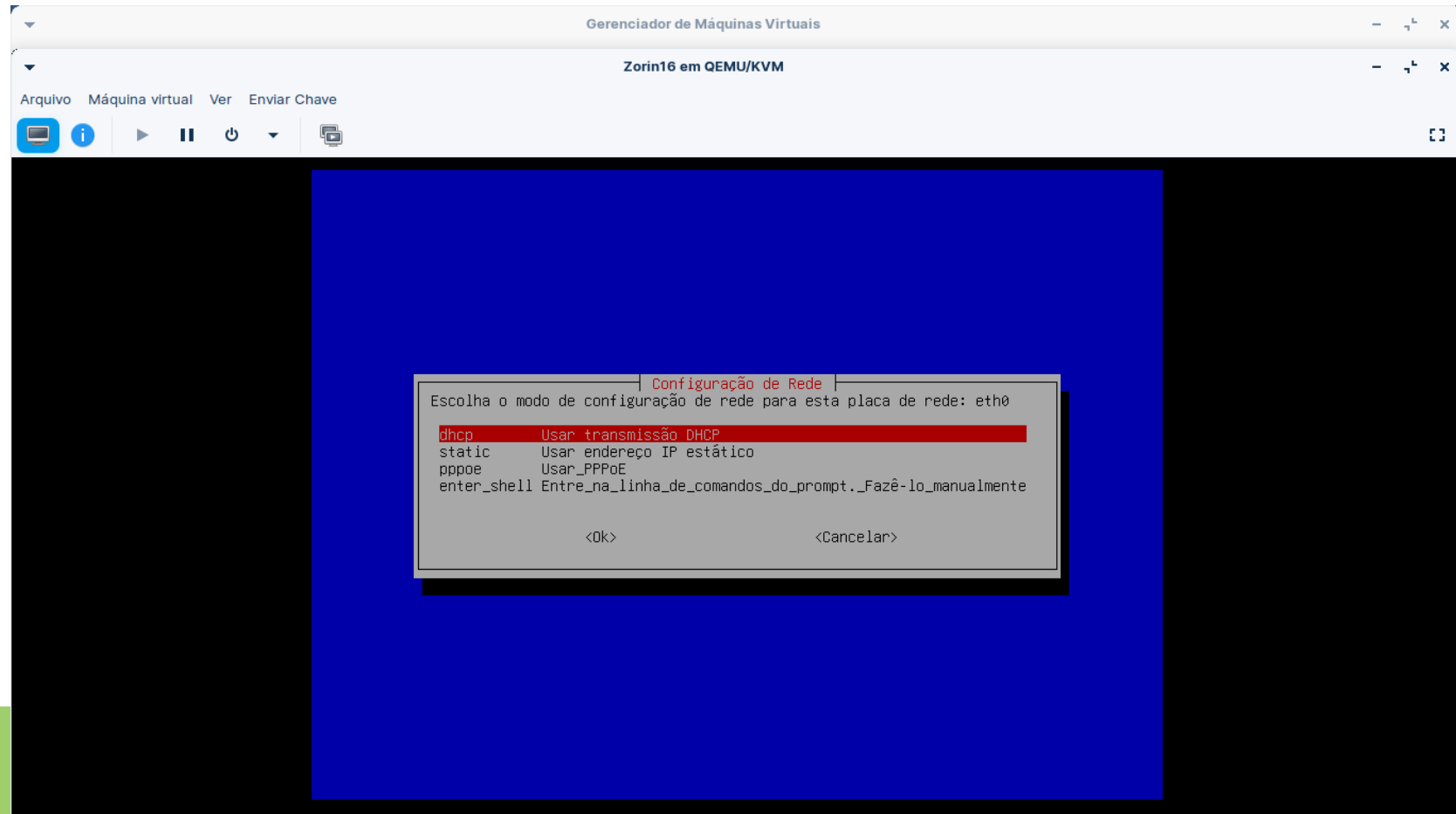
Teclar Enter para prosseguir



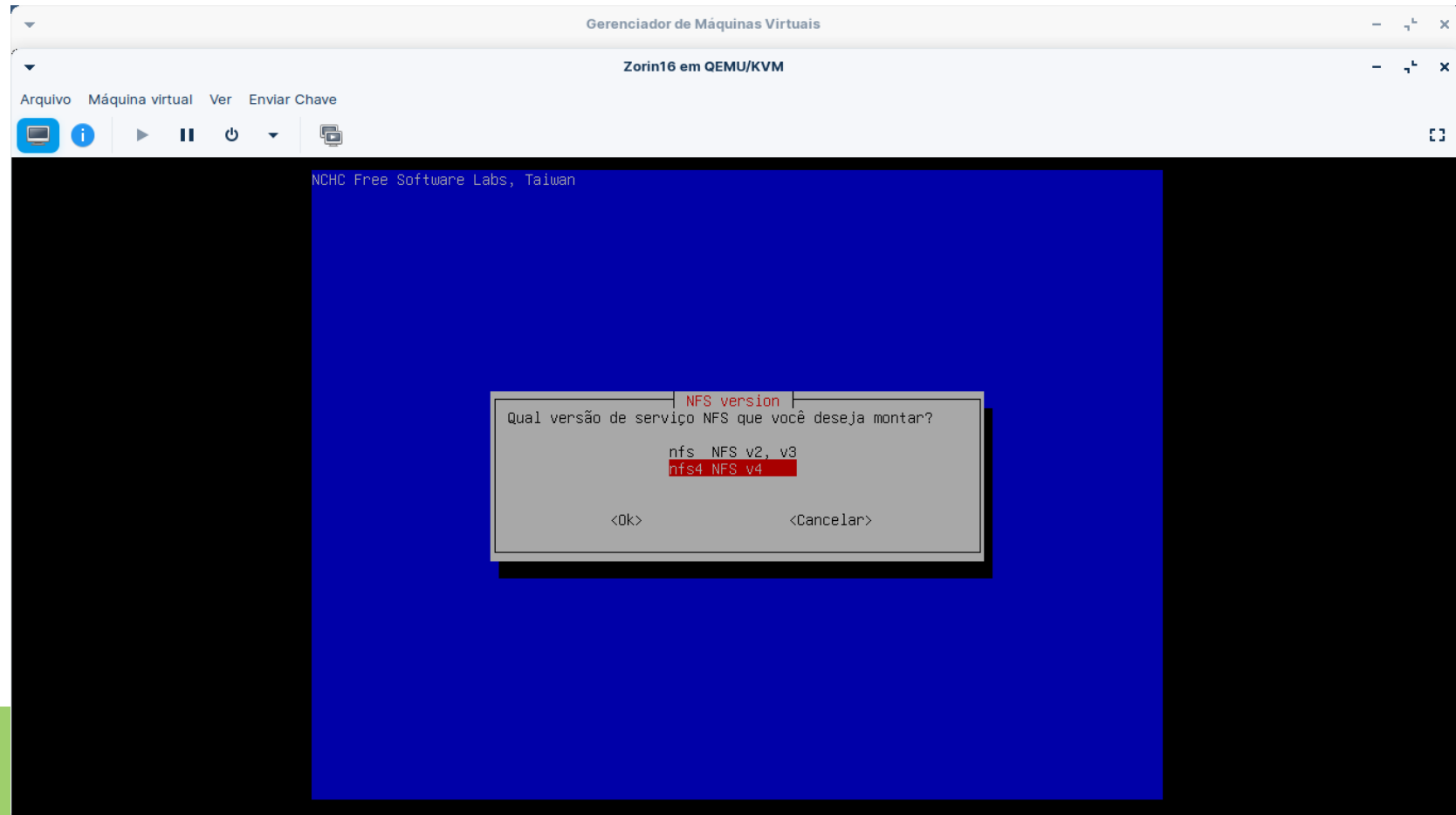
Selecionar nfs_server e teclar Enter para prosseguir



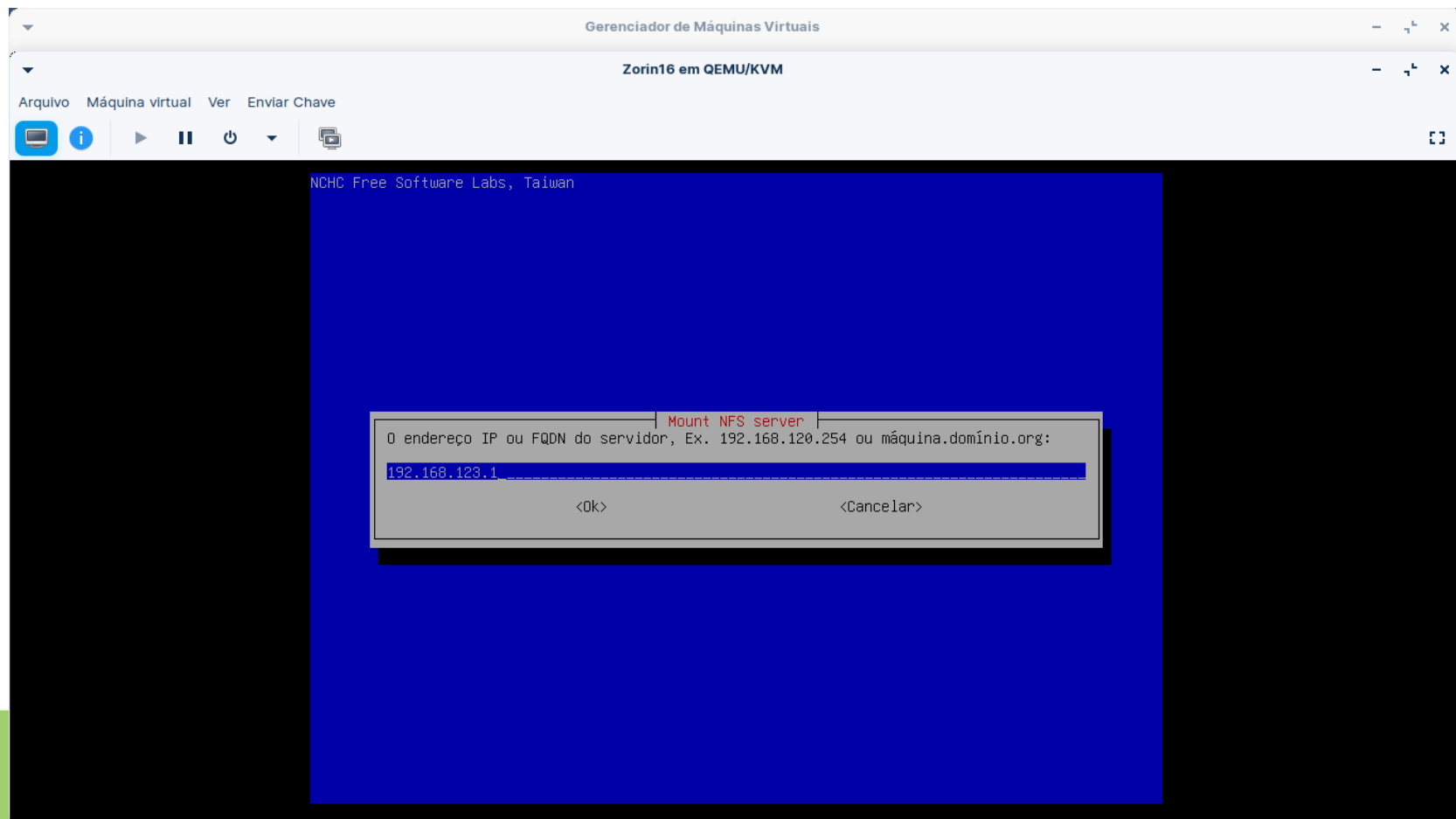
Teclar Enter para prosseguir



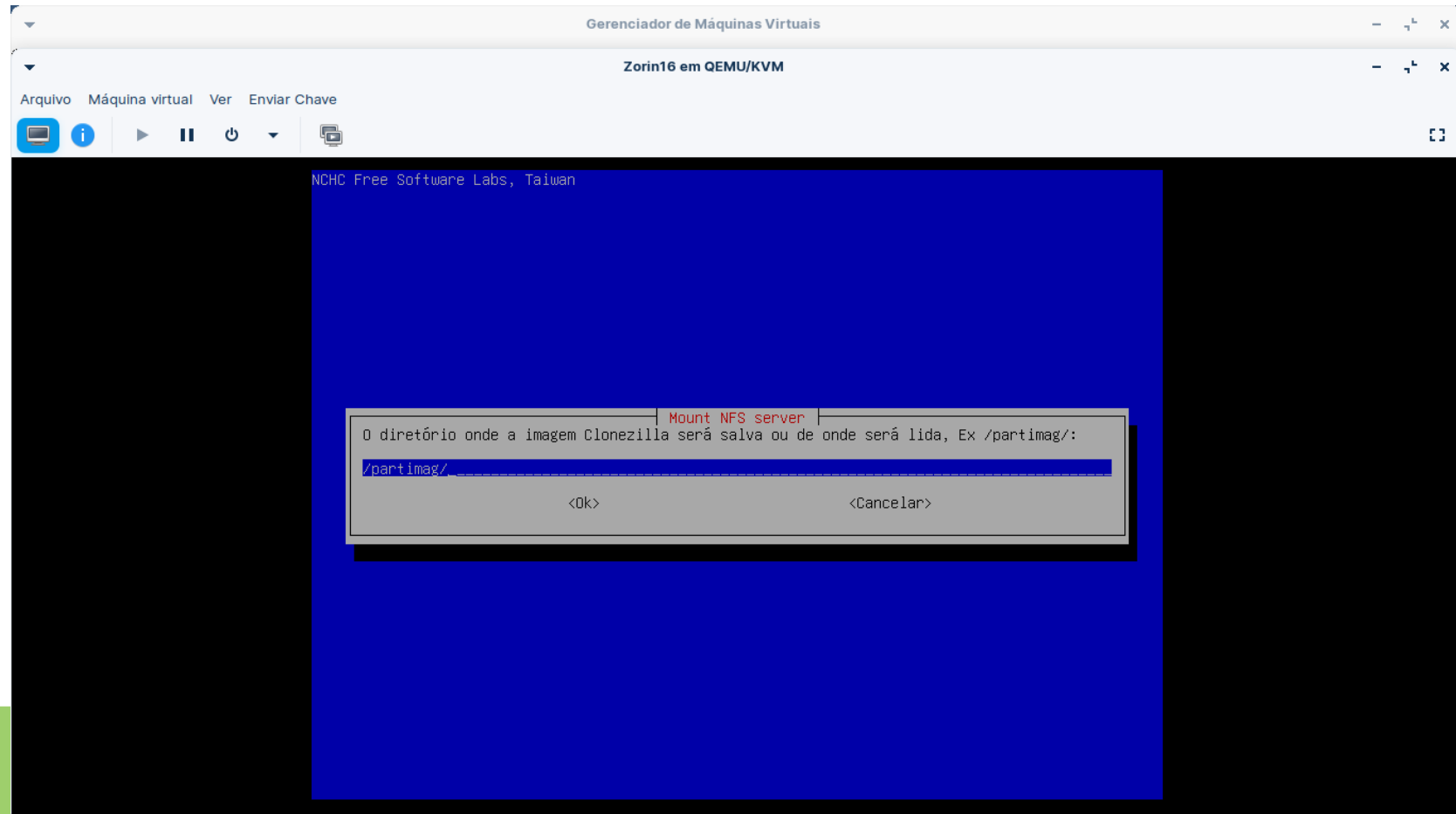
Selecionar nfs4 e teclar Enter para prosseguir



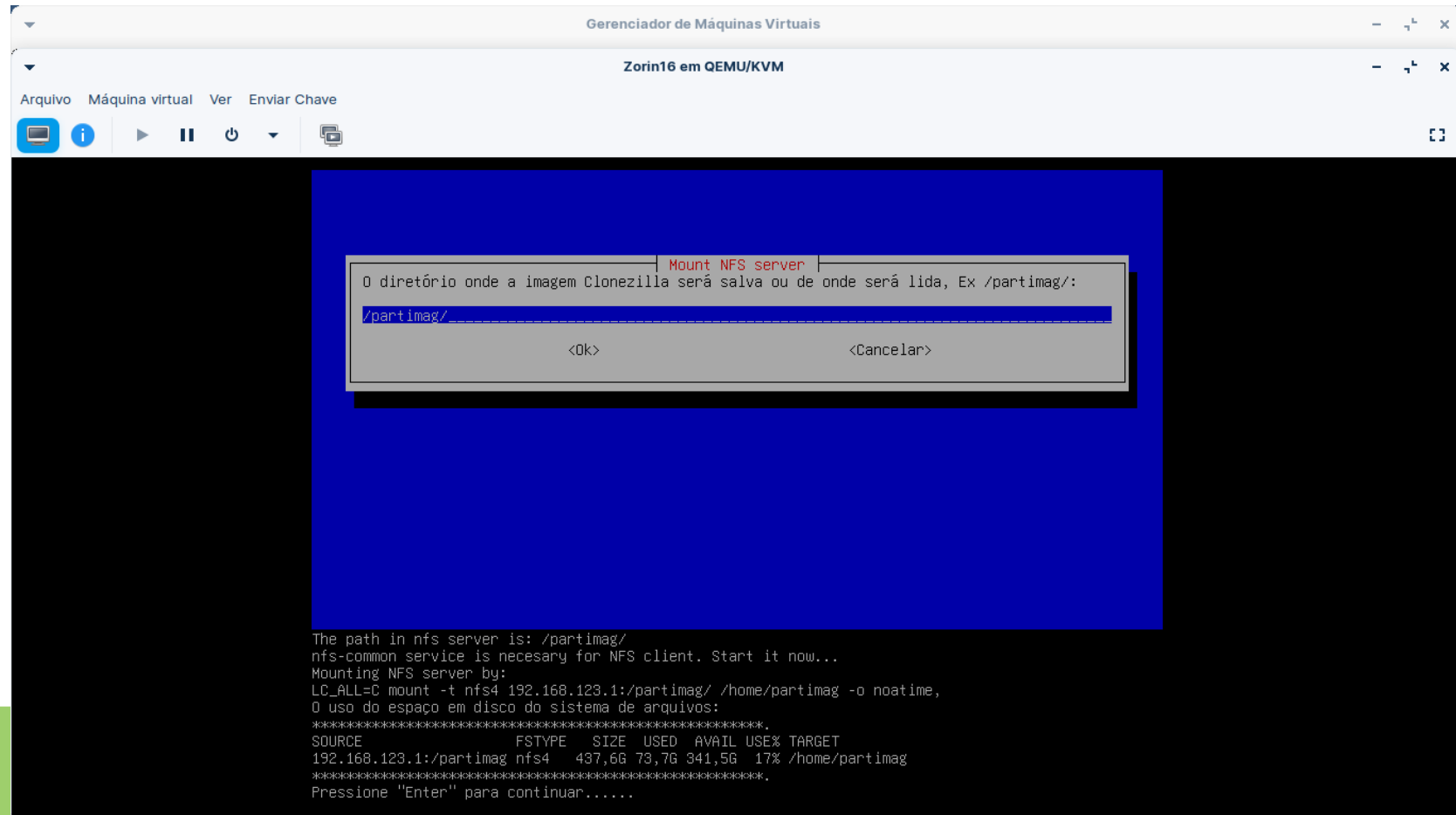
Informar o IP do nfs_server e teclar Enter para prosseguir



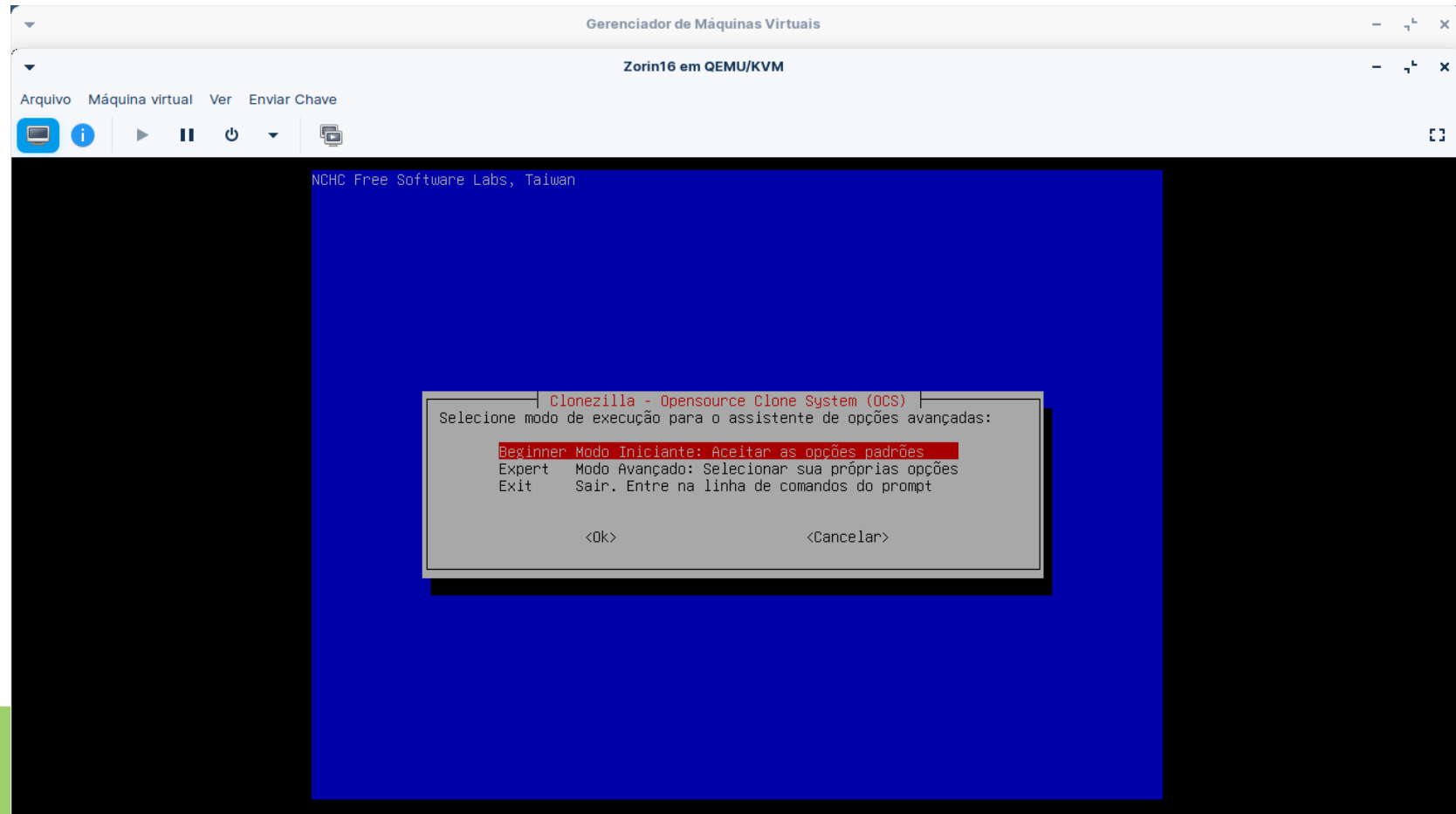
Teclar Enter para prosseguir



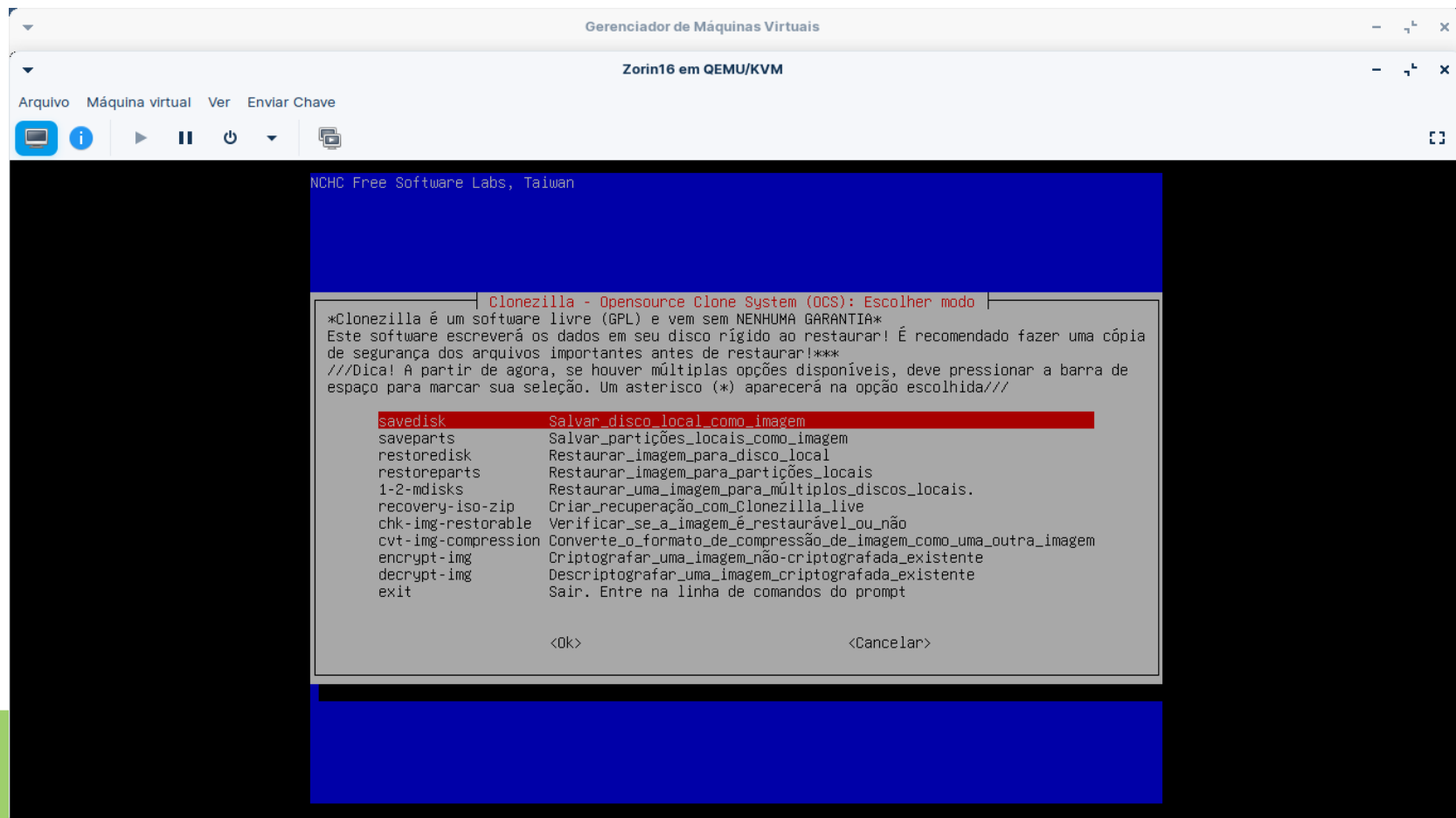
Tecele Enter para prosseguir



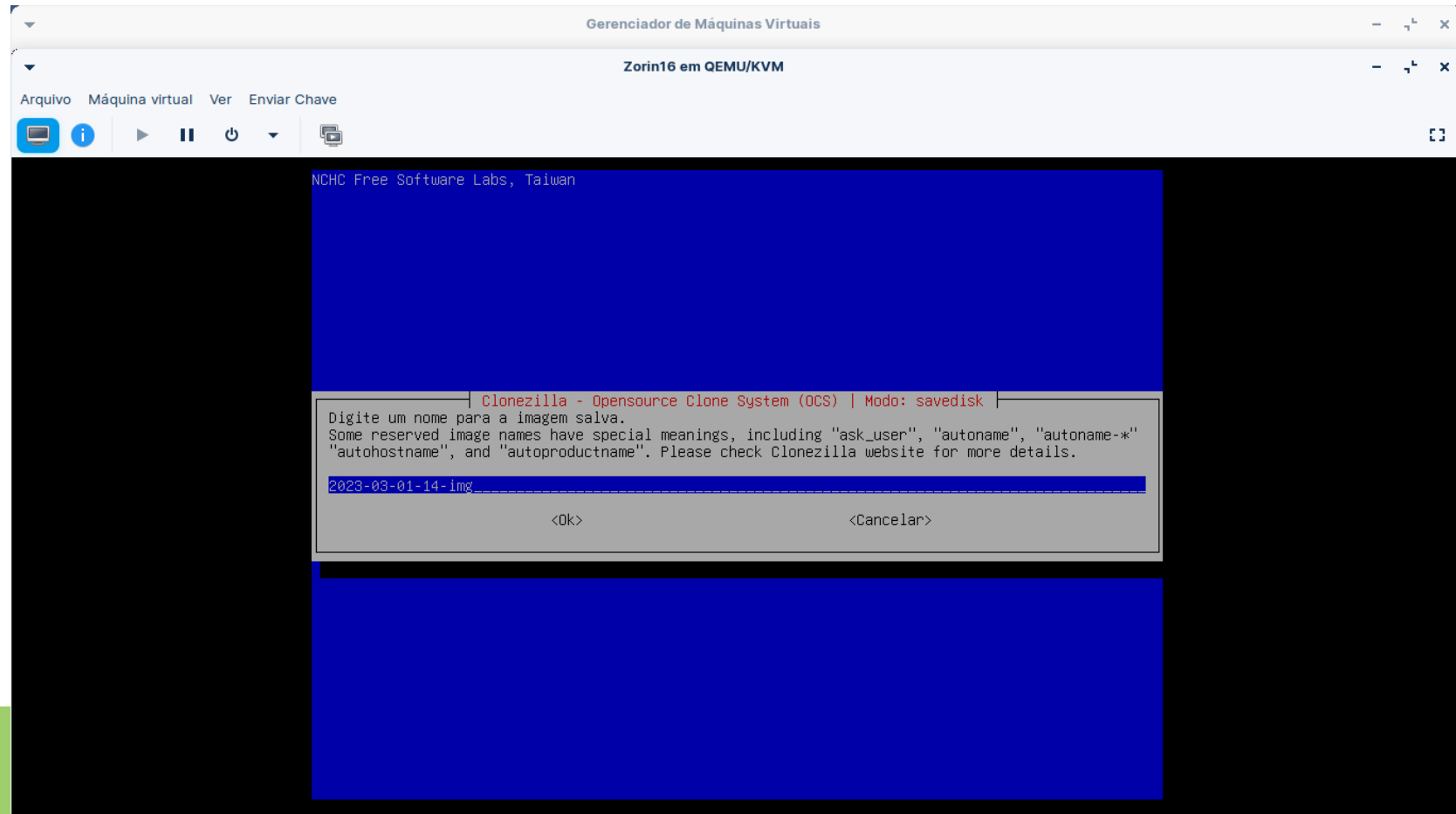
Teclar Enter para prosseguir



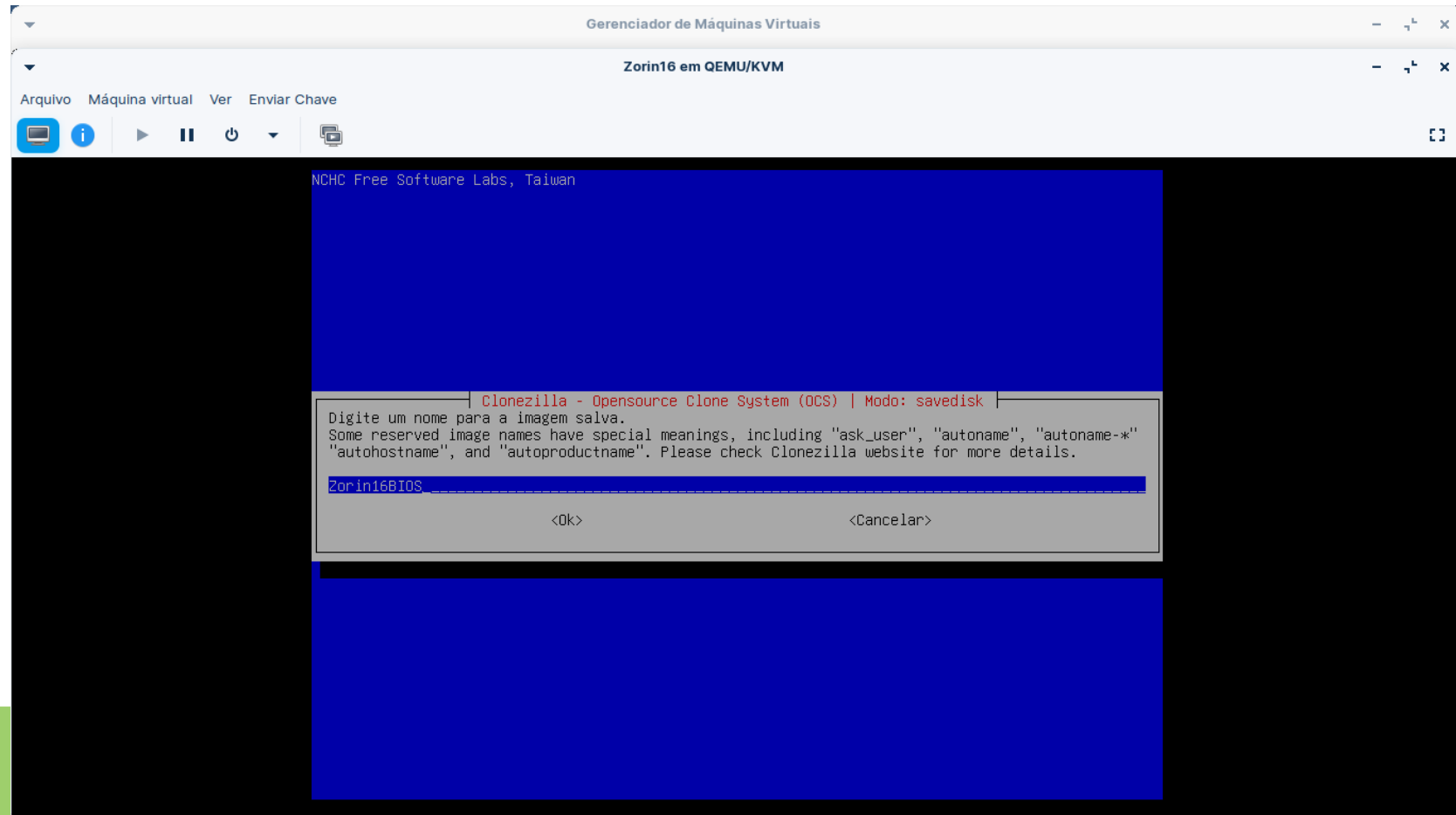
Manter savedisk e teclar Enter para prosseguir



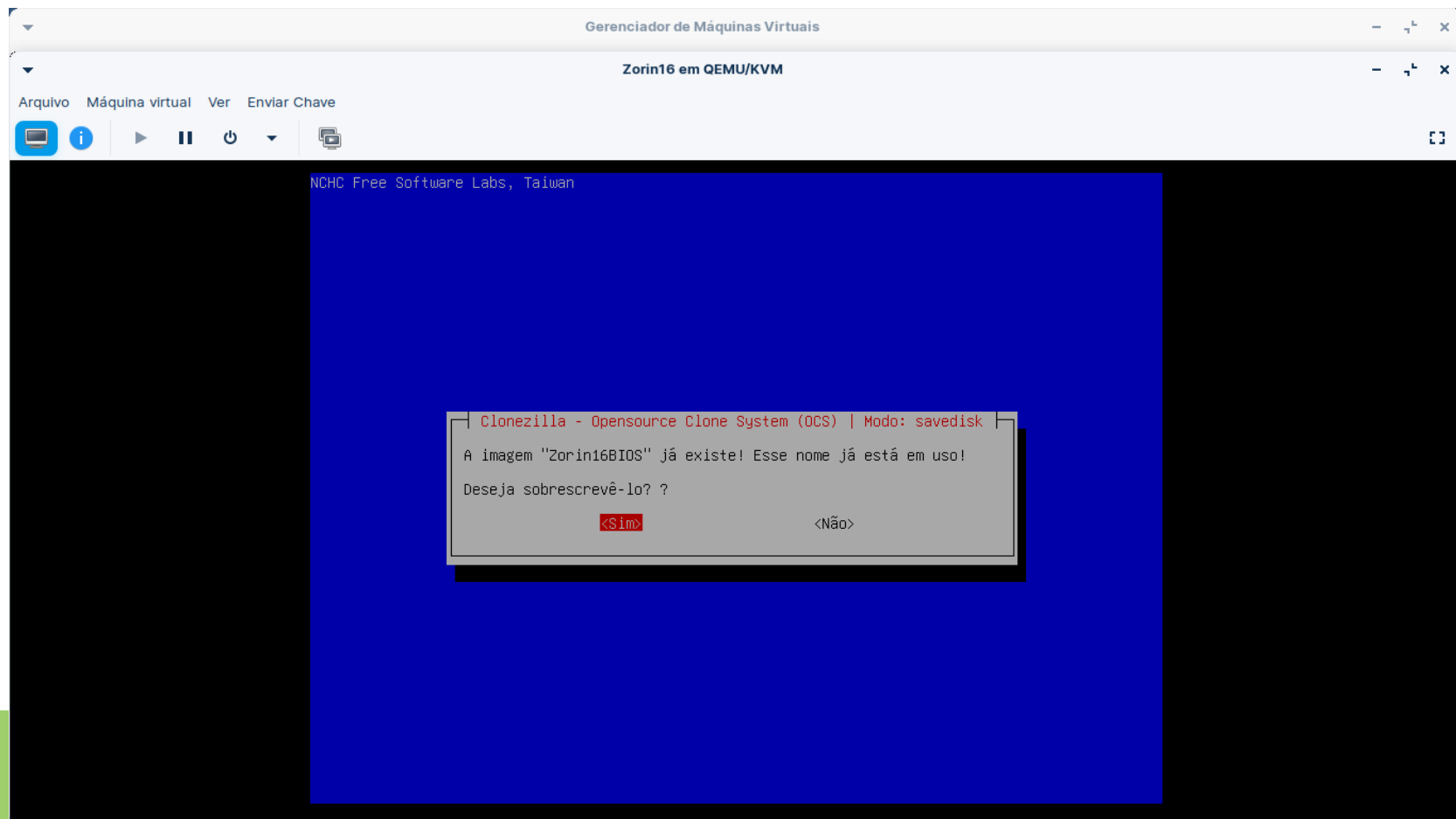
Alterar o nome da imagem a ser clonada



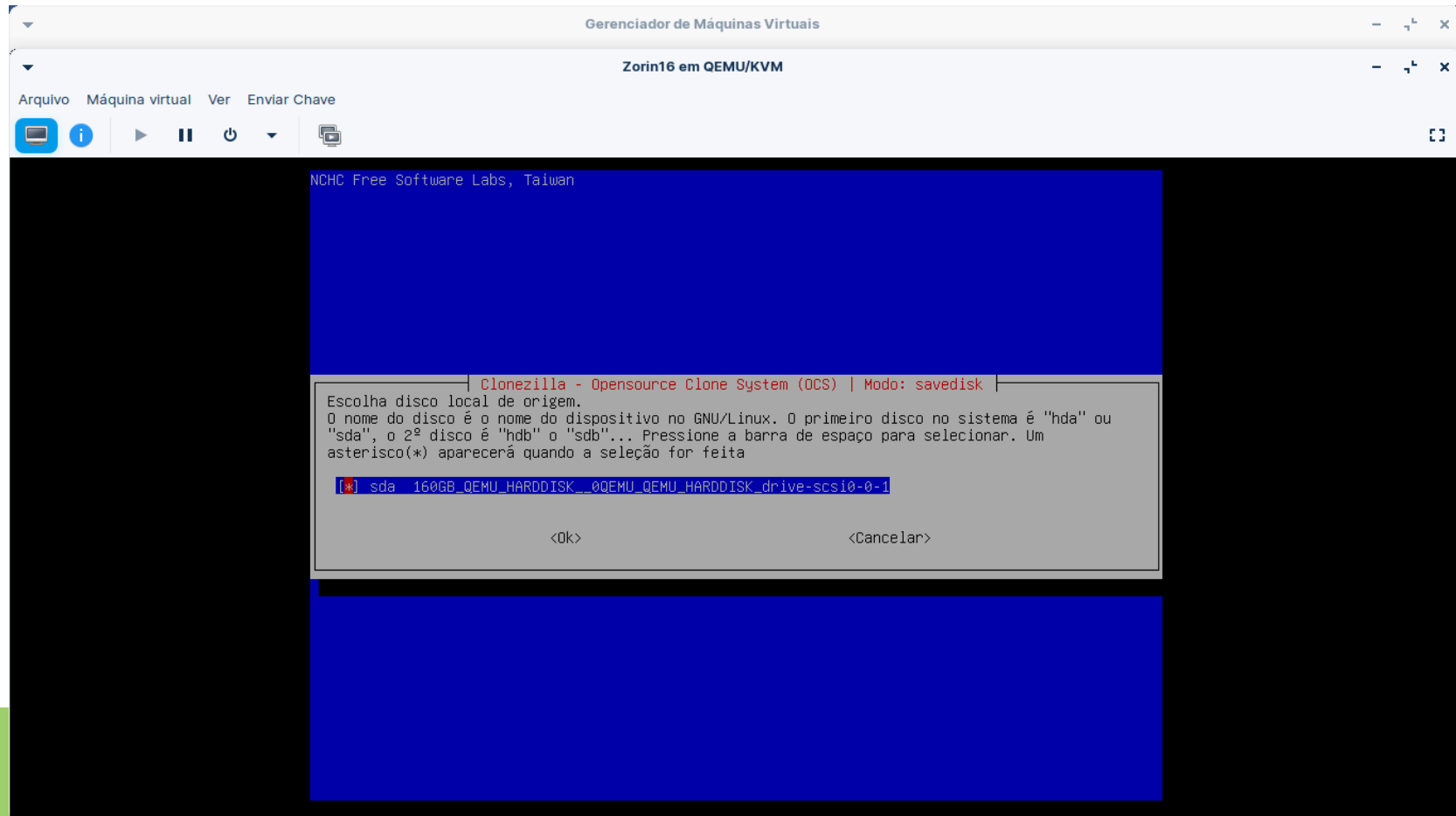
Digitar o nome da imagem, teclar Enter para prosseguir



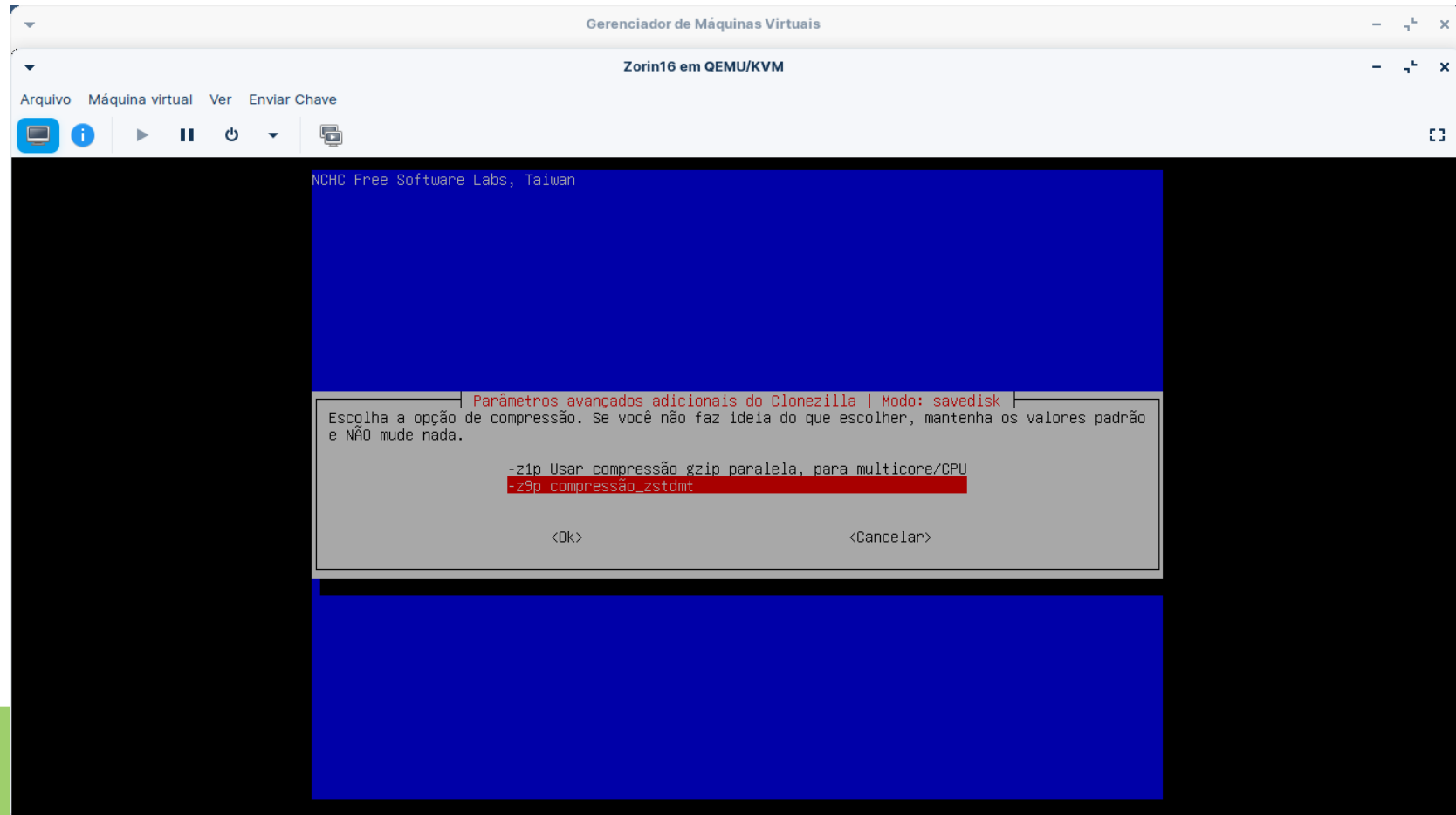
Teclar Enter para prosseguir e apagar a imagem desatualizada



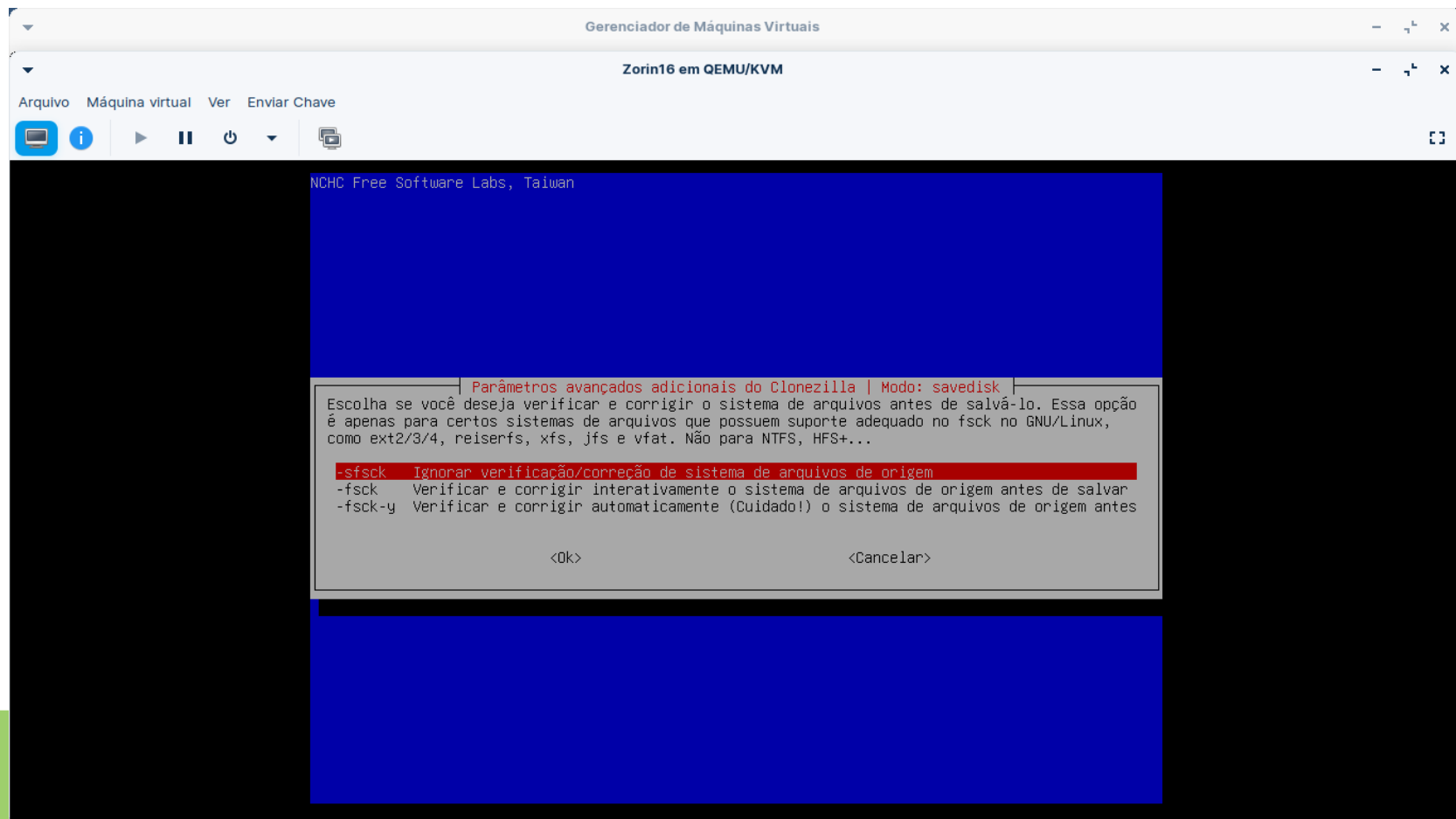
Teclar Enter para aceitar e prosseguir



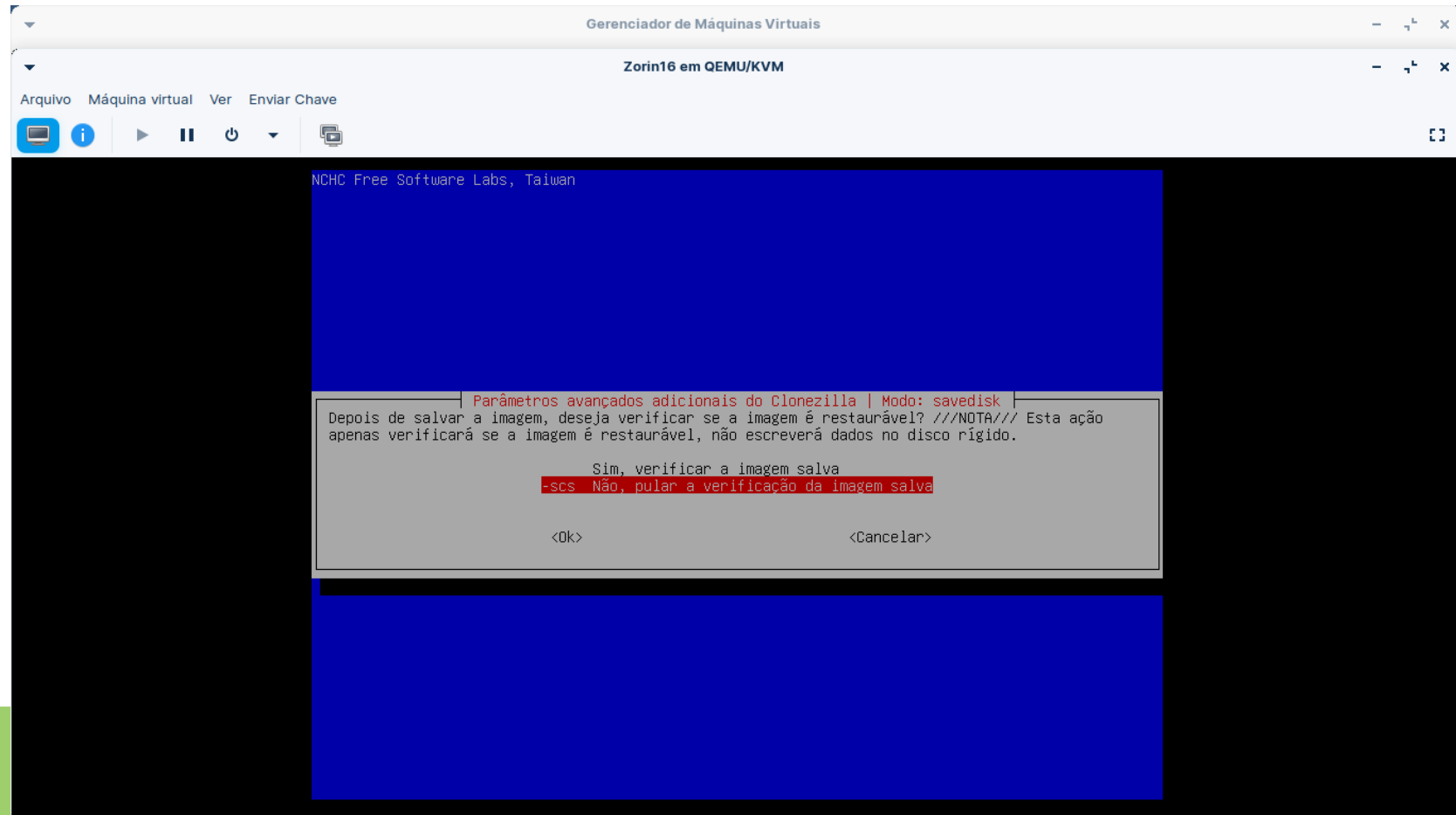
Selecionar -z9p e teclar Enter para prosseguir



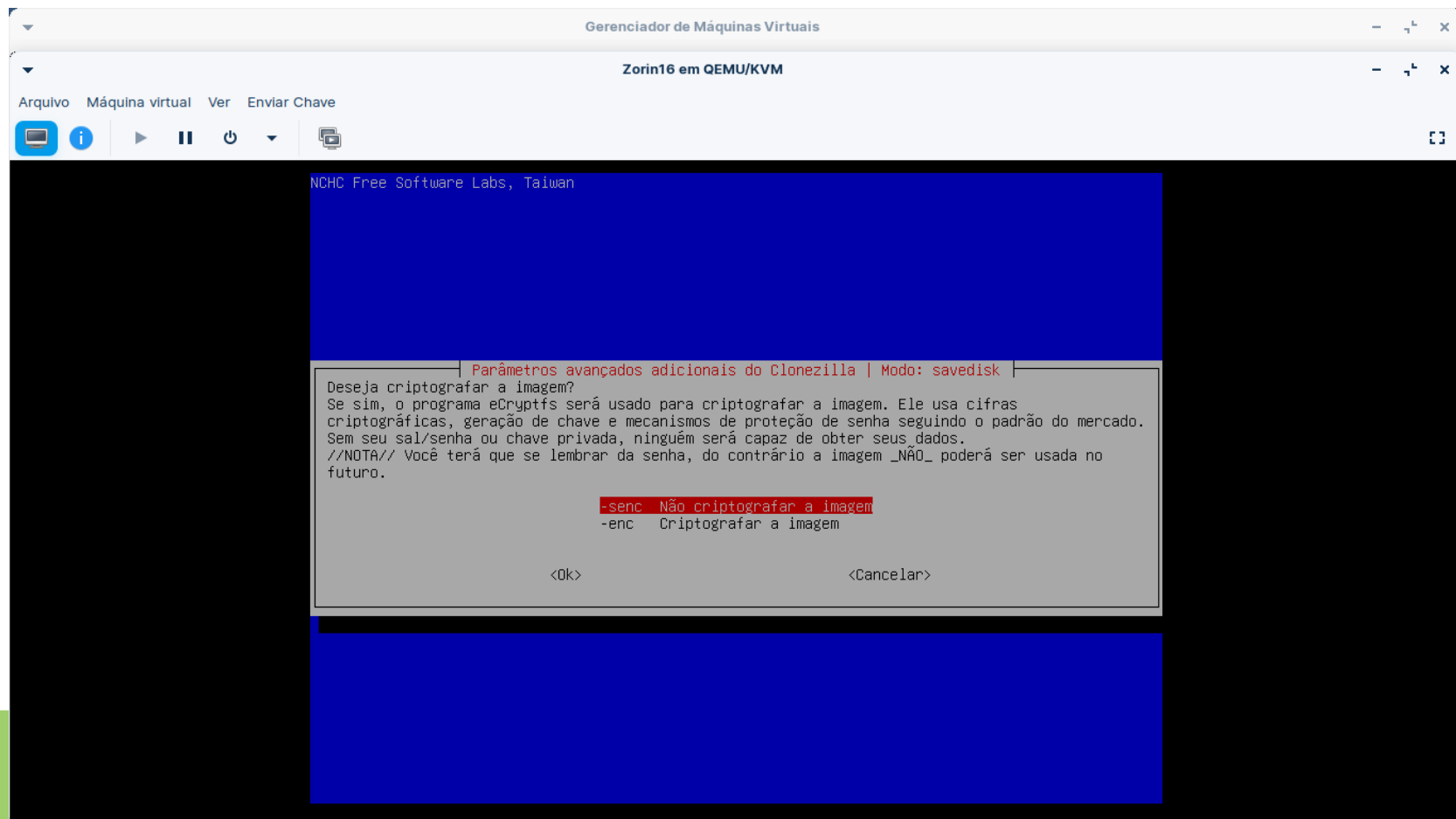
Teclar Enter para prosseguir



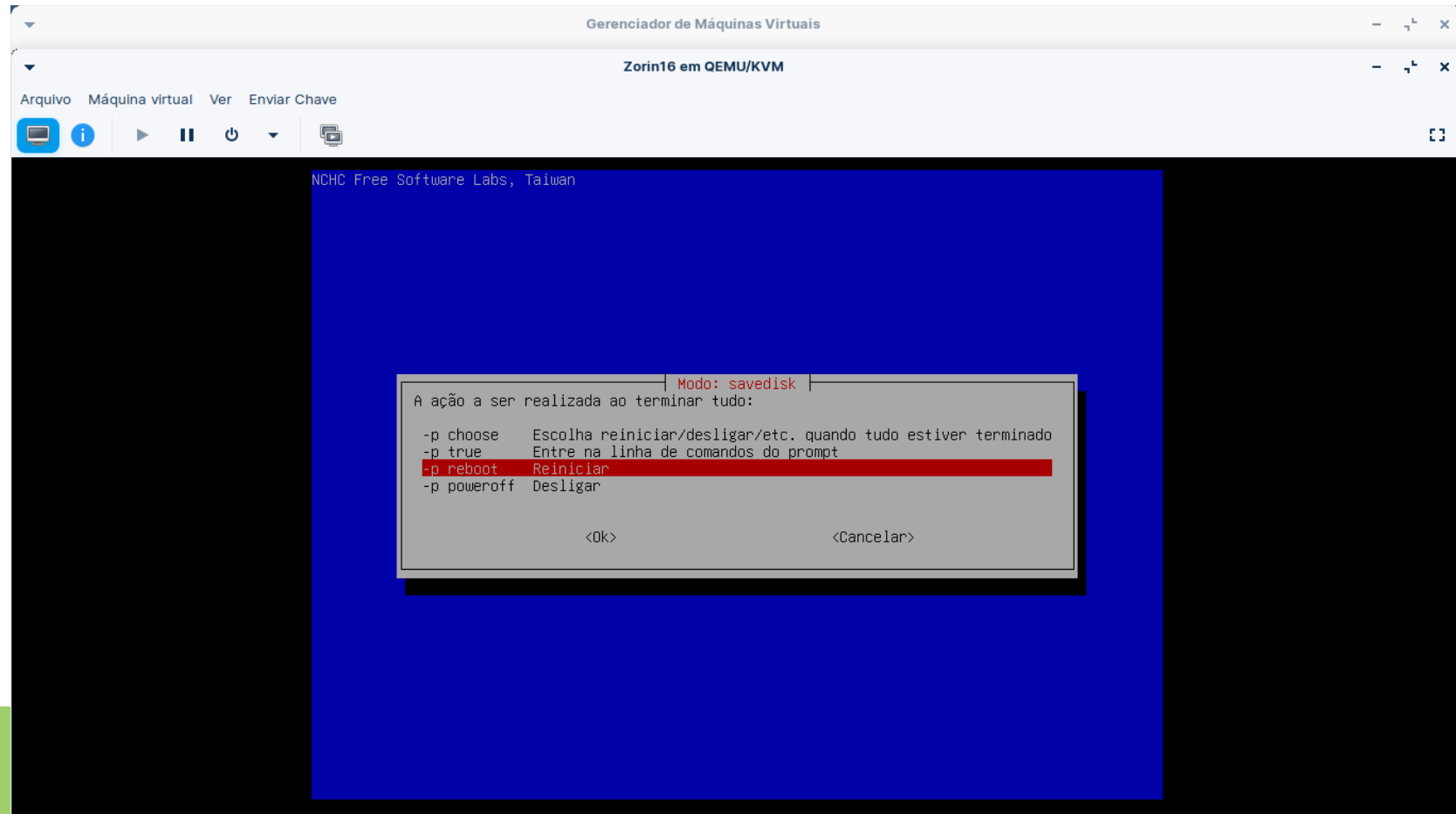
Selecionar Não e teclar Enter para prosseguir



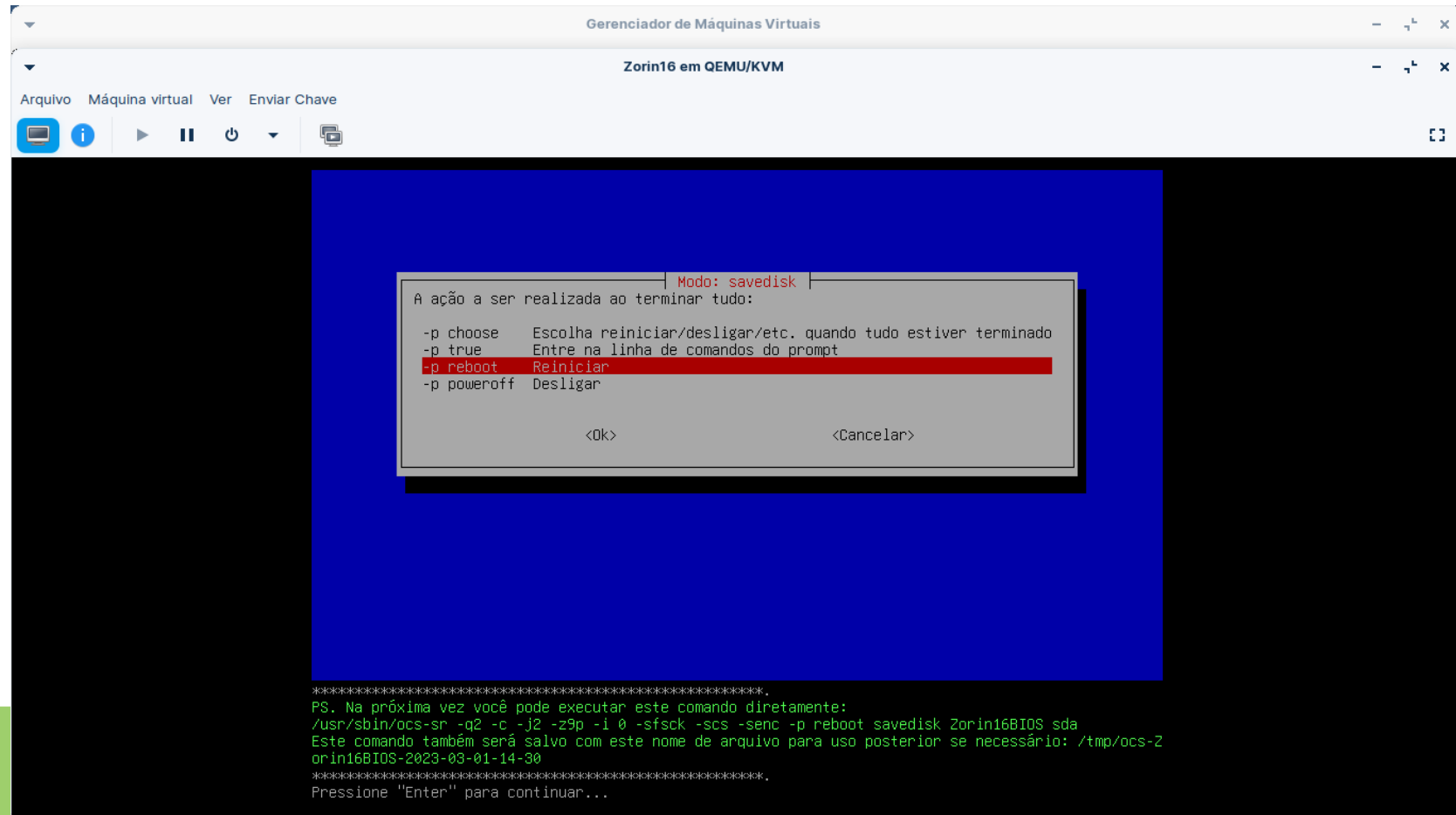
Teclar Enter para prosseguir



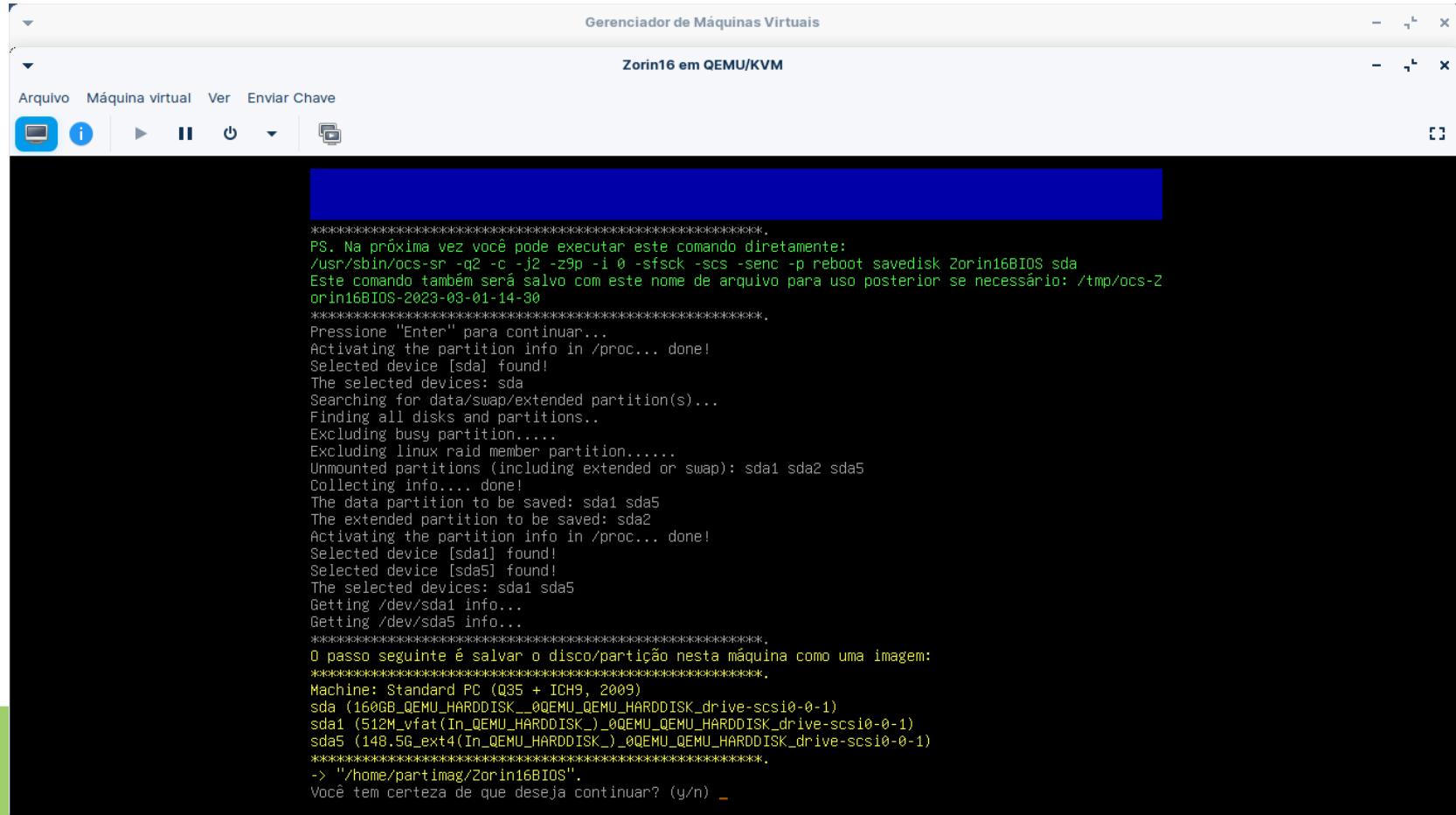
Selecionar Reiniciar e teclar Enter para prosseguir



Teclar Enter para prosseguir



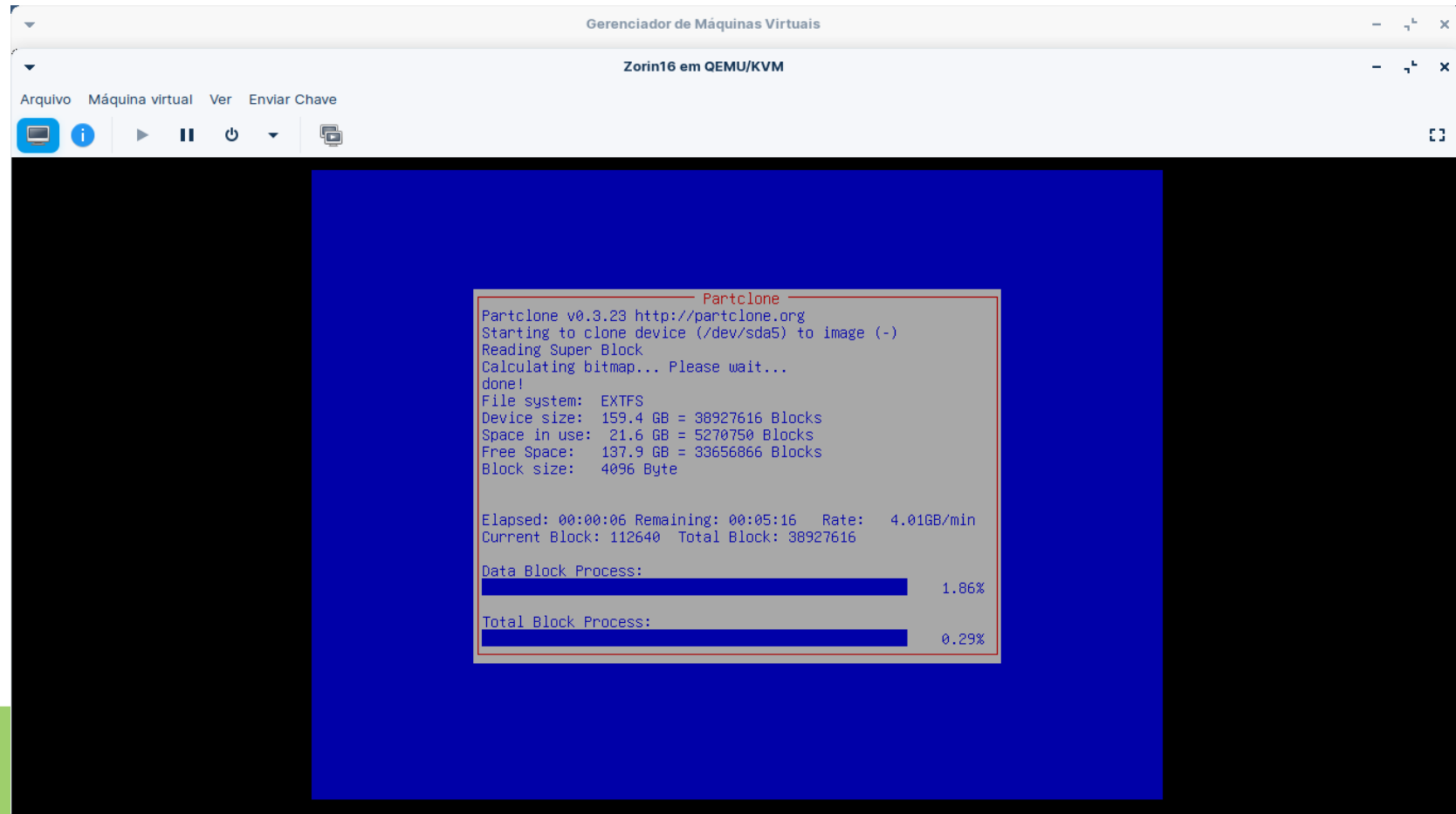
Teclar y e Enter para prosseguir



```
Gerenciador de Máquinas Virtuais
Zorin16 em QEMU/KVM
Arquivo Máquina virtual Ver Enviar Chave

*****.
PS. Na próxima vez você pode executar este comando diretamente:
/usr/sbin/ocs-sr -q2 -c -j2 -z9p -i 0 -sfsc -scs -senc -p reboot savedisk Zorin16BIOS sda
Este comando também será salvo com este nome de arquivo para uso posterior se necessário: /tmp/ocs-2
orin16BIOS-2023-03-01-14-30
*****.
Pressione "Enter" para continuar...
Activating the partition info in /proc... done!
Selected device [sda] found!
The selected devices: sda
Searching for data/swap/extended partition(s)...
Finding all disks and partitions..
Excluding busy partition.....
Excluding linux raid member partition.....
Unmounted partitions (including extended or swap): sda1 sda2 sda5
Collecting info.... done!
The data partition to be saved: sda1 sda5
The extended partition to be saved: sda2
Activating the partition info in /proc... done!
Selected device [sda1] found!
Selected device [sda5] found!
The selected devices: sda1 sda5
Getting /dev/sda1 info...
Getting /dev/sda5 info...
*****.
O passo seguinte é salvar o disco/partição nesta máquina como uma imagem:
*****.
Machine: Standard PC (Q35 + ICH9, 2009)
sda (160GB_QEMU_HARDDISK_0QEMU_QEMU_HARDDISK_drive-scsi0-0-1)
sda1 (512M_vfat(In_QEMU_HARDDISK_)_0QEMU_QEMU_HARDDISK_drive-scsi0-0-1)
sda5 (140.5G_ext4(In_QEMU_HARDDISK_)_0QEMU_QEMU_HARDDISK_drive-scsi0-0-1)
*****.
-> "/home/partimag/Zorin16BIOS".
Você tem certeza de que deseja continuar? (y/n) _
```

Aguardar o início do processo...





[illegible]

```

Partclone
Reading Super Block
Calculating bitmap... Please wait...
done!
File system:  EXTFS
Device size:  159.4 GB = 38927616 Blocks
Space in use: 21.6 GB = 5270750 Blocks
Free Space:   137.9 GB = 33656866 Blocks
Block size:   4096 Byte
Syncing... OK!
Partclone successfully cloned the device (/dev/sda5) to the
image (-)

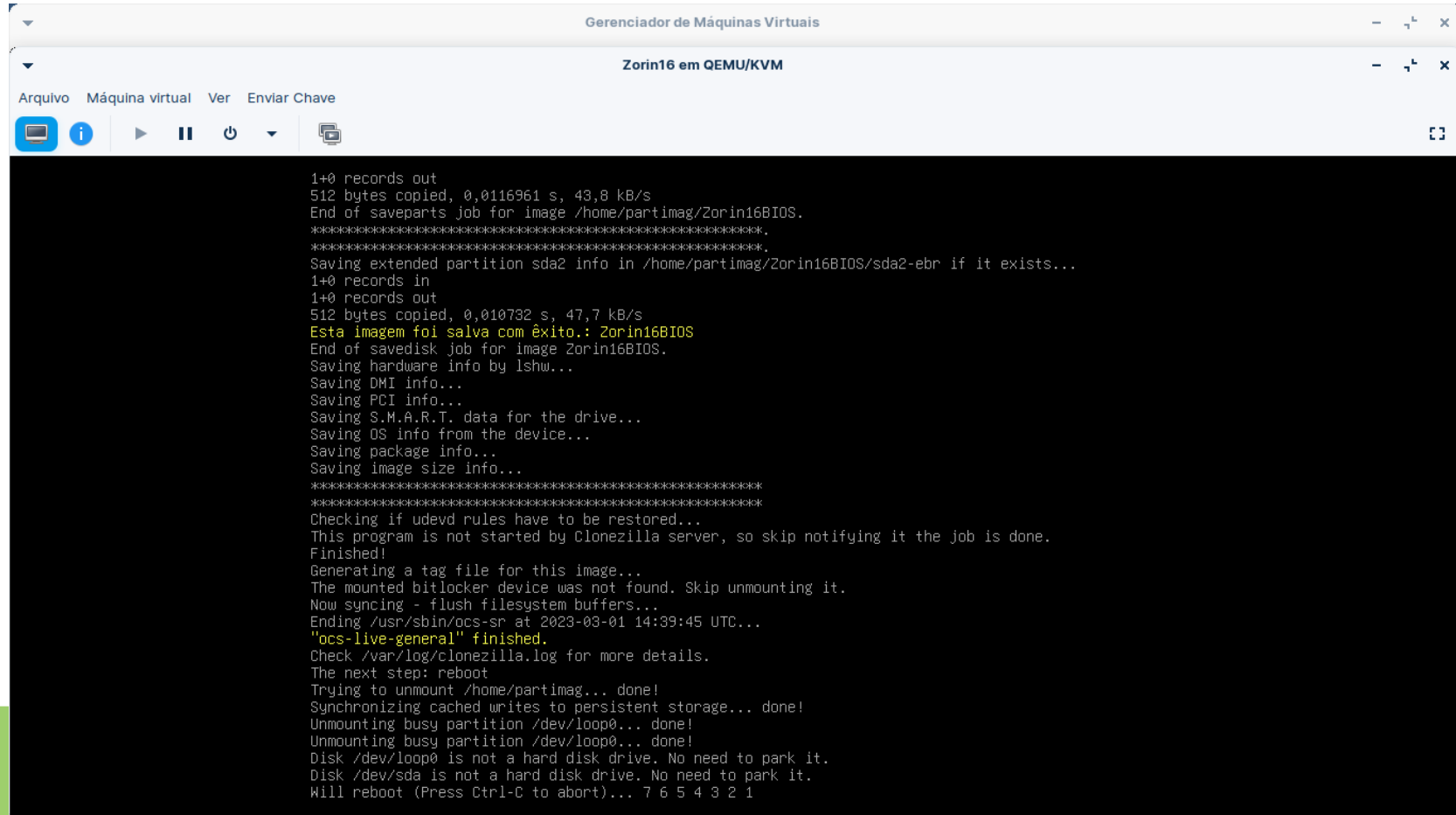
Total Time: 00:08:15 Remaining: 00:00:00
Ave. Rate: 2.62GB/min

Data Block Process:
 100.00%

Total Block Process:
 100.00%

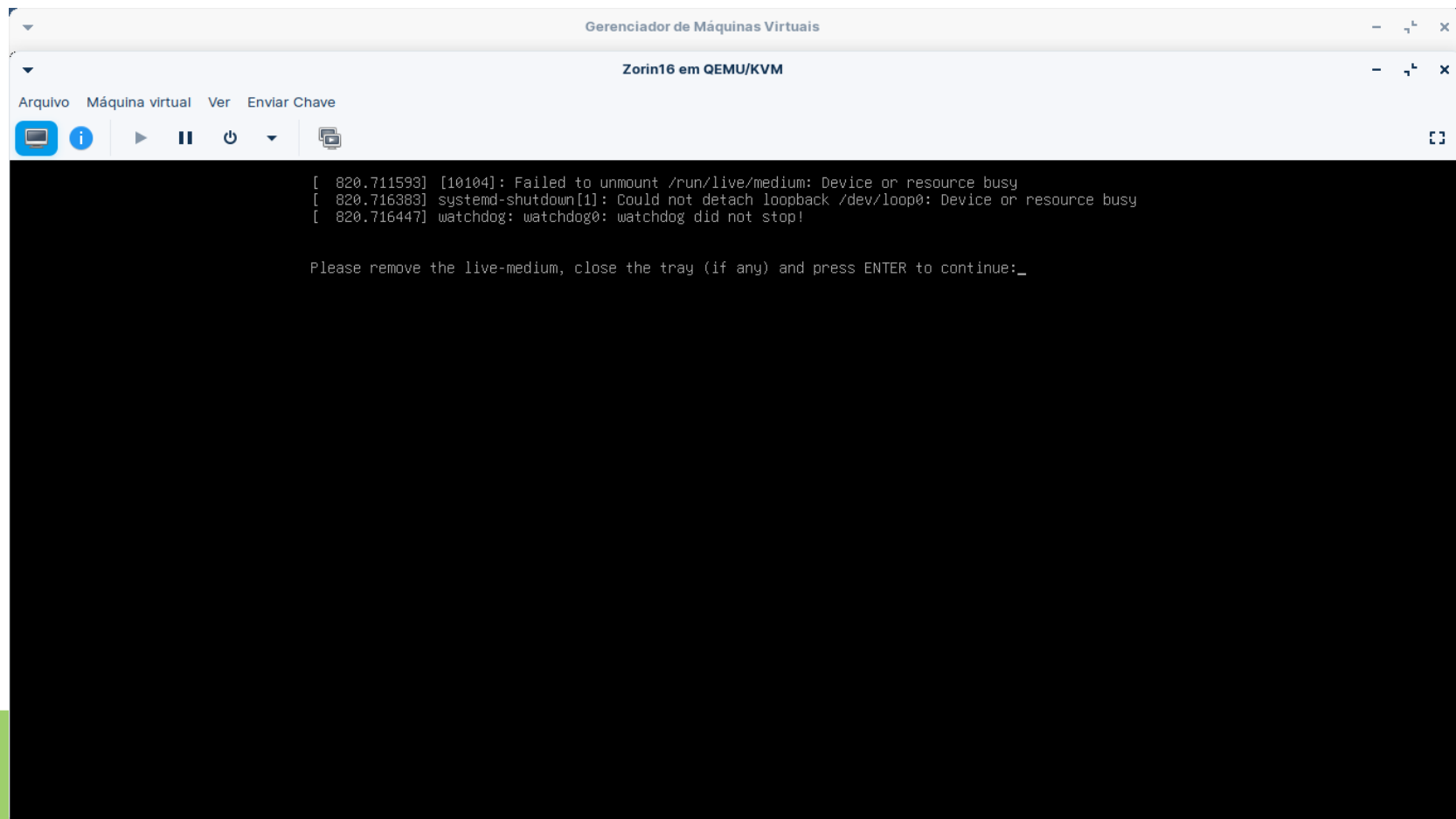
```


Aguardar o reboot



```
1+0 records out
512 bytes copied, 0,0116961 s, 43,8 kB/s
End of saveparts job for image /home/partimag/Zorin16BIOS.
*****
*****
Saving extended partition sda2 info in /home/partimag/Zorin16BIOS/sda2-ebr if it exists...
1+0 records in
1+0 records out
512 bytes copied, 0,010732 s, 47,7 kB/s
Esta imagem foi salva com êxito.: Zorin16BIOS
End of savedisk job for image Zorin16BIOS.
Saving hardware info by lshw...
Saving DMI info...
Saving PCI info...
Saving S.M.A.R.T. data for the drive...
Saving OS info from the device...
Saving package info...
Saving image size info...
*****
*****
Checking if udevd rules have to be restored...
This program is not started by Clonezilla server, so skip notifying it the job is done.
Finished!
Generating a tag file for this image...
The mounted bitlocker device was not found. Skip unmounting it.
Now syncing - flush filesystem buffers...
Ending /usr/sbin/ocs-sr at 2023-03-01 14:39:45 UTC...
"ocs-live-general" finished.
Check /var/log/clonezilla.log for more details.
The next step: reboot
Trying to unmount /home/partimag... done!
Synchronizing cached writes to persistent storage... done!
Unmounting busy partition /dev/loop0... done!
Unmounting busy partition /dev/loop0... done!
Disk /dev/loop0 is not a hard disk drive. No need to park it.
Disk /dev/sda is not a hard disk drive. No need to park it.
Will reboot (Press Ctrl-C to abort)... 7 6 5 4 3 2 1
```

Teclar Enter para remover a ISO do clonezilla do DVD/CD virtual do KVM-linux



Processo terminado

- Este tutorial finaliza o processo de gerar a imagem para o funcionamento conjunto com um pendrive de boot (Ventoy com a ISO do clonezilla), conforme mostra o tutorial 5-RecoveryImagemDoNFS-server, se foi informado o IP do servidor NFS de produção da rede.
- Se a imagem for armazenada no serviço NFS do notebook, pode-se converter a imagem em ISO inicializável conforme tutorial 6-ConverterImagemParaISO.

