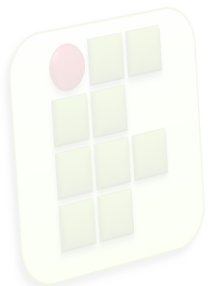


**Instituto Federal de Educação,
Ciência e Tecnologia do Rio Grande do Norte
Campus Currais Novos**

Instalação e Organização

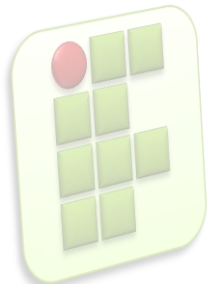
Aula 04 – Ambiente VM



Prof. Diego Pereira <diego.pereira@ifrn.edu.br>

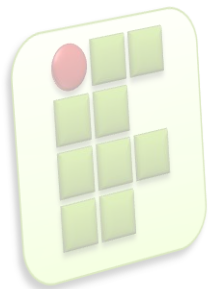
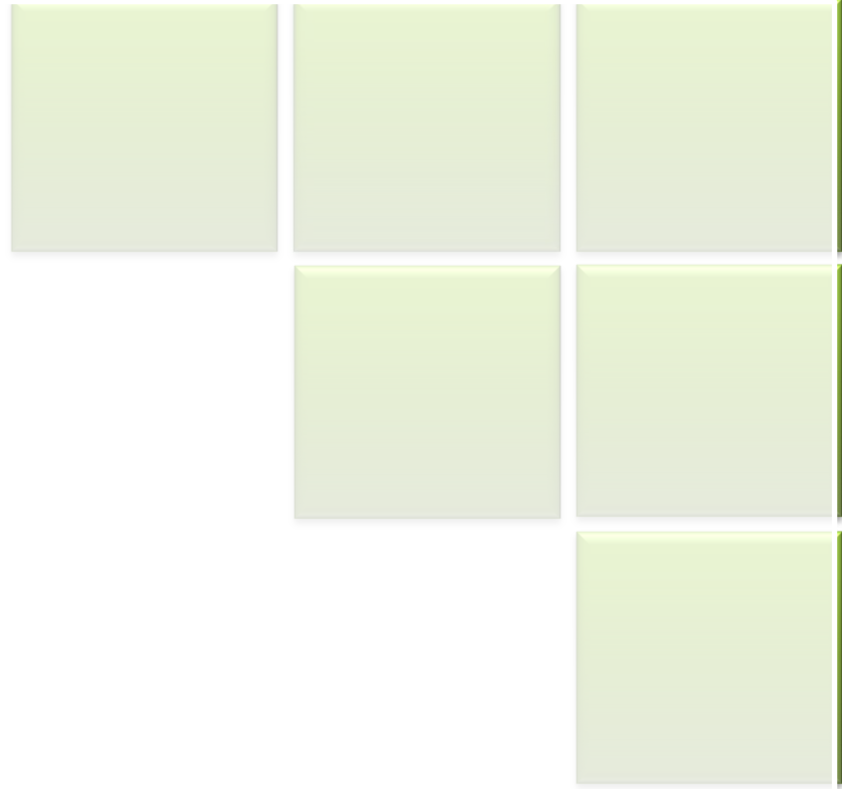
Objetivos

- Preparar o ambiente virtual para instalação das máquinas;
- Conhecer as estratégias para instalação de um sistema operacional Linux;
- Instalação do Debian;

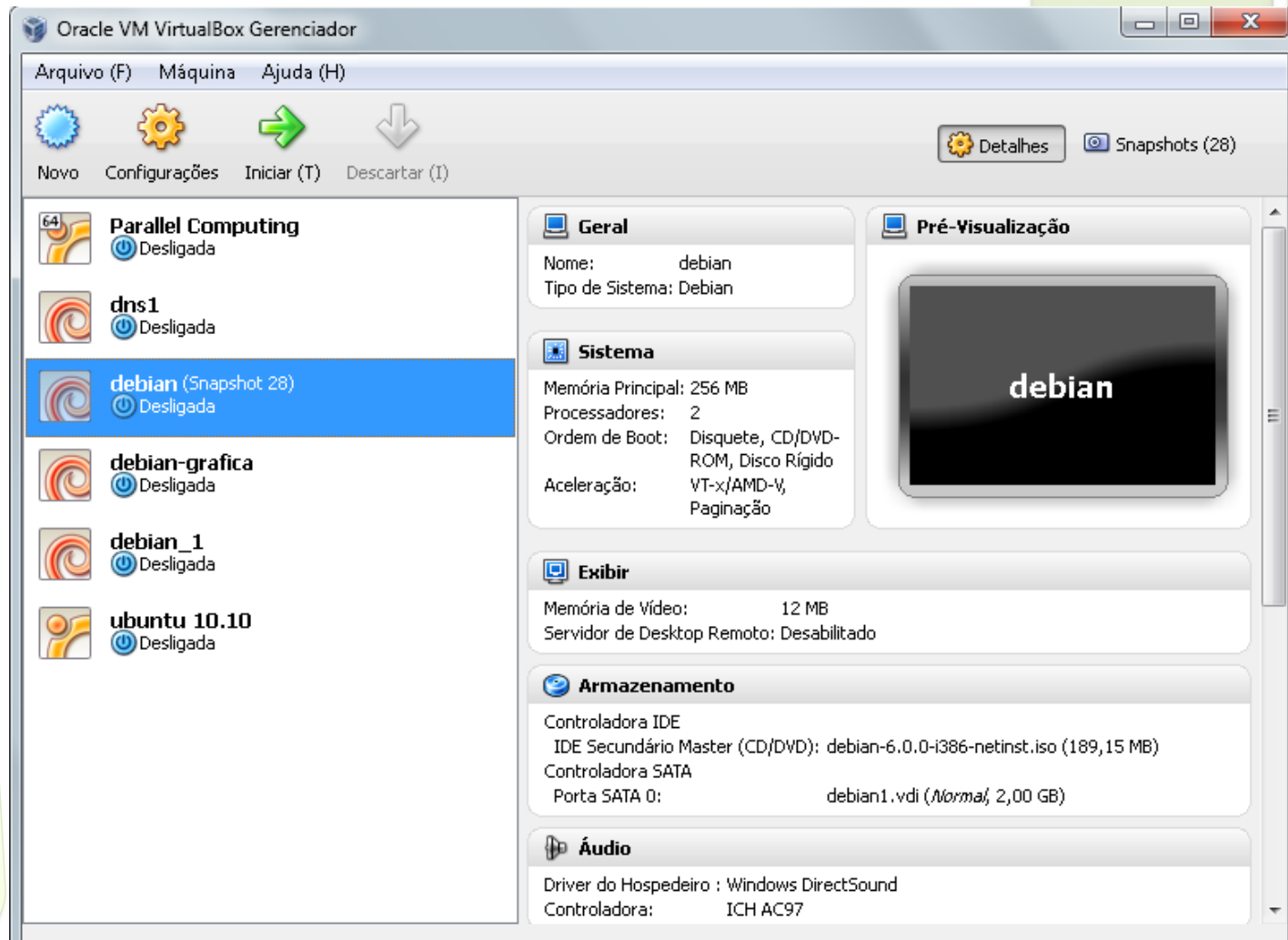


Virtualização

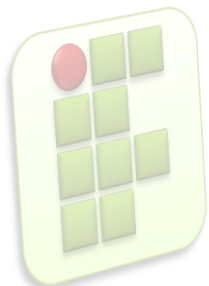
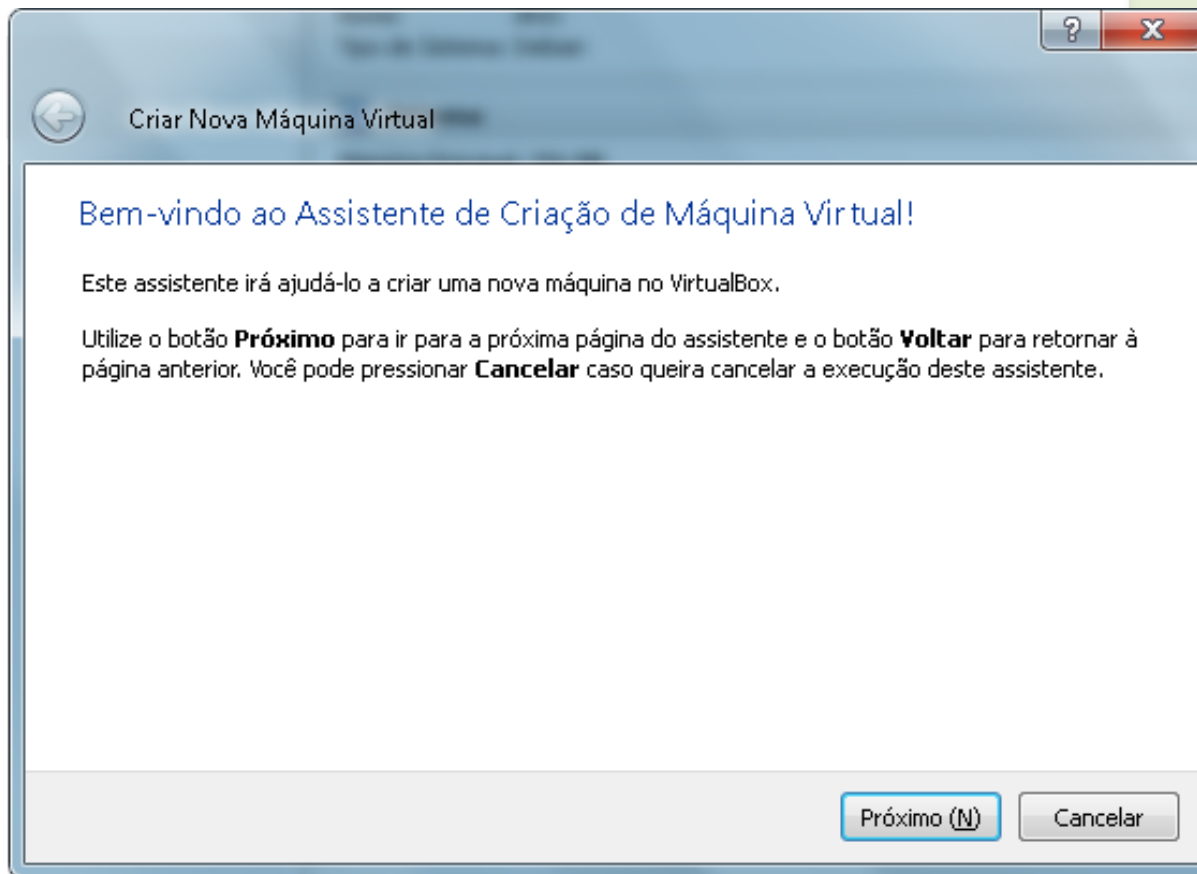
- Virtual Box 4.0.4



Virtual Box



Criando Máquinas Virtuais



Criando Máquinas Virtuais

Criar Nova Máquina Virtual

Nome da VM e Tipo de Sistema Operacional

Entre com o nome da nova máquina virtual e selecione o tipo de sistema operacional Convidado que você planeja instalar em sua máquina virtual.

O nome da máquina virtual geralmente indica quais programas e qual configuração de hardware foi utilizada. Este nome será utilizado para identificar sua máquina virtual em todos os componentes do VirtualBox.

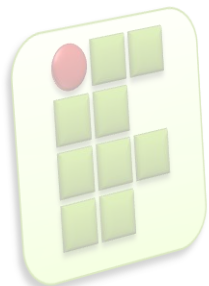
Nome
debian

OS Type

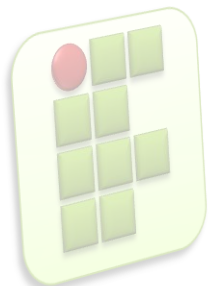
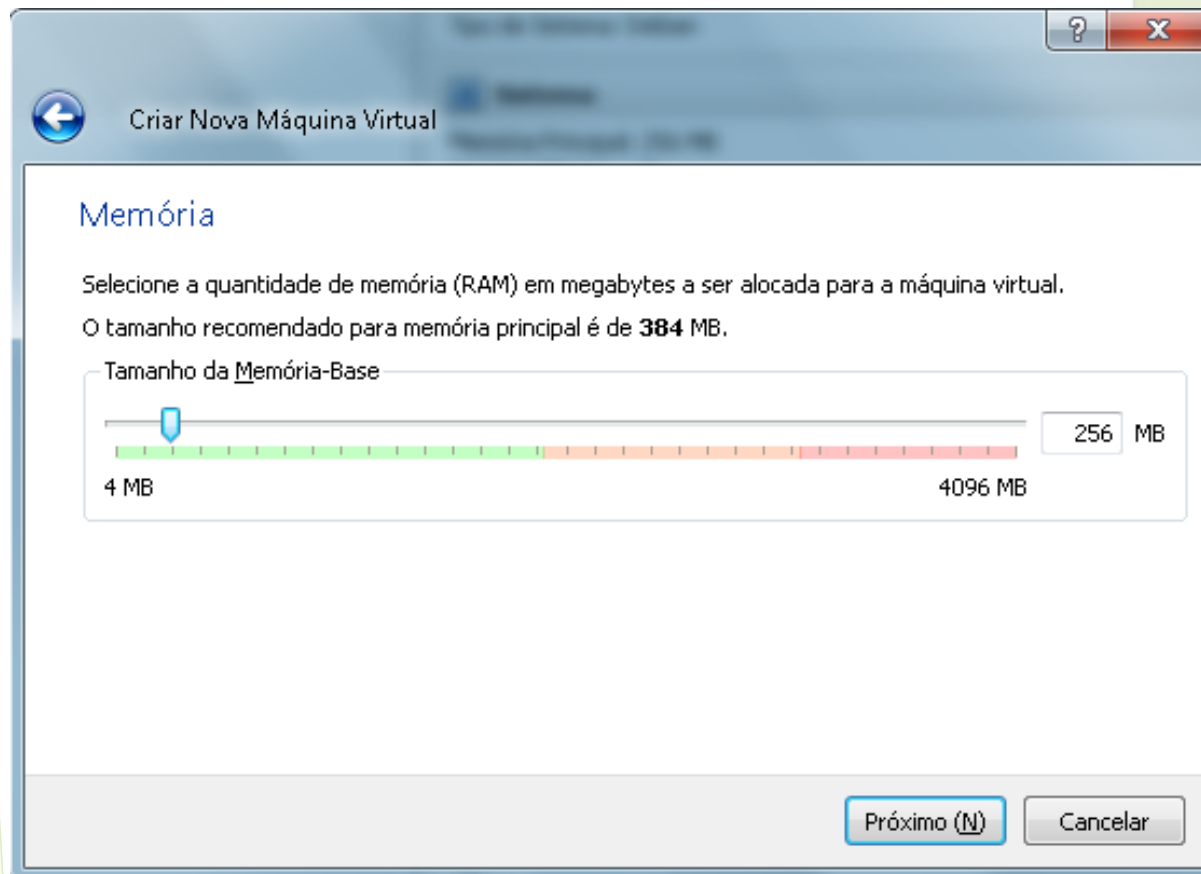
Sistema Operacional: Linux

Versão: Debian

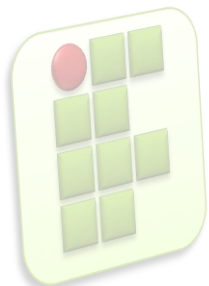
Próximo (N) Cancelar



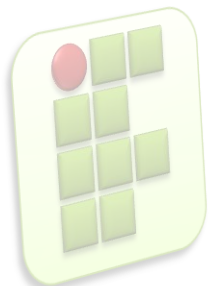
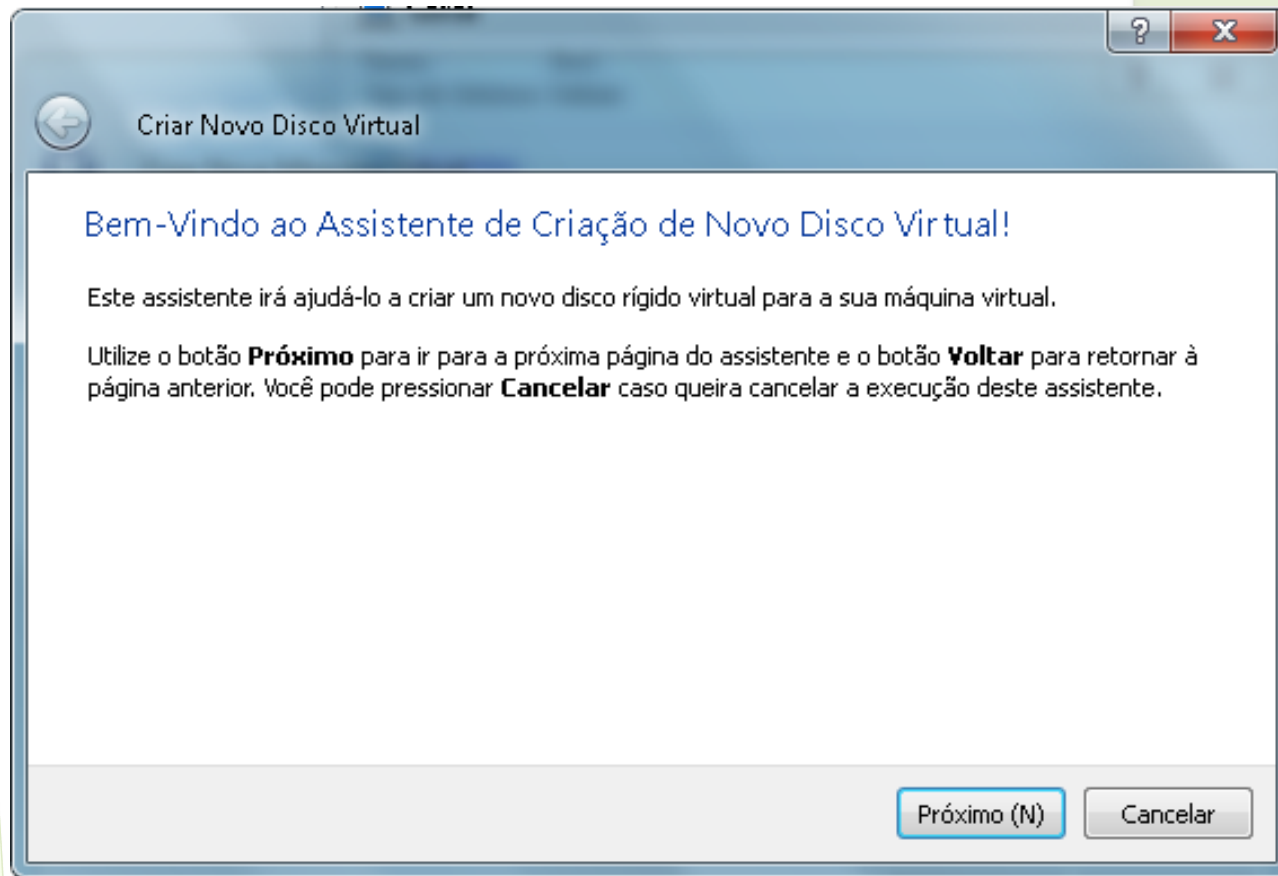
Criando Máquinas Virtuais



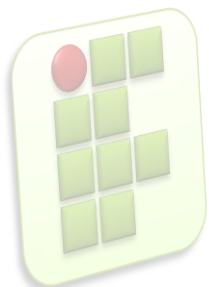
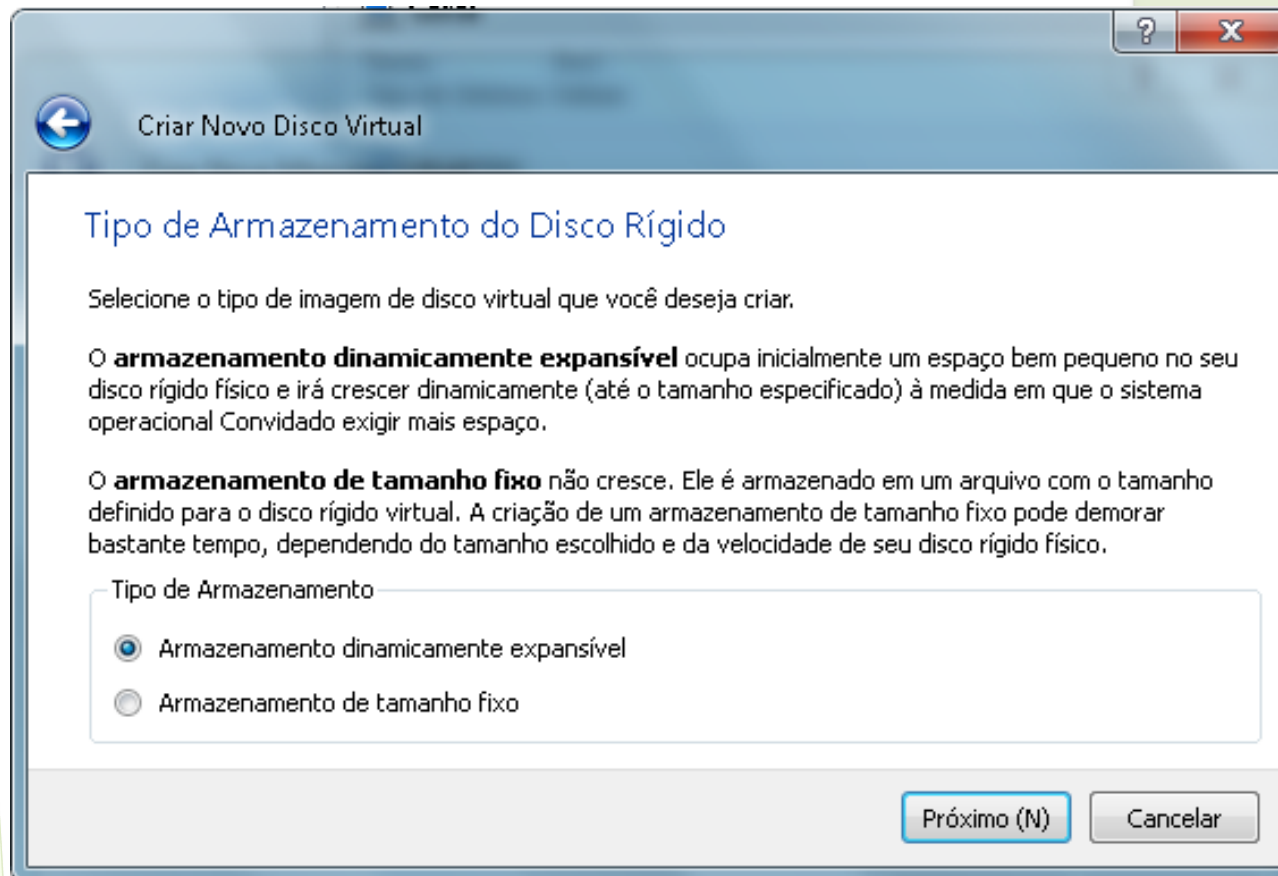
Criando Máquinas Virtuais



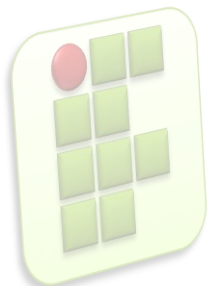
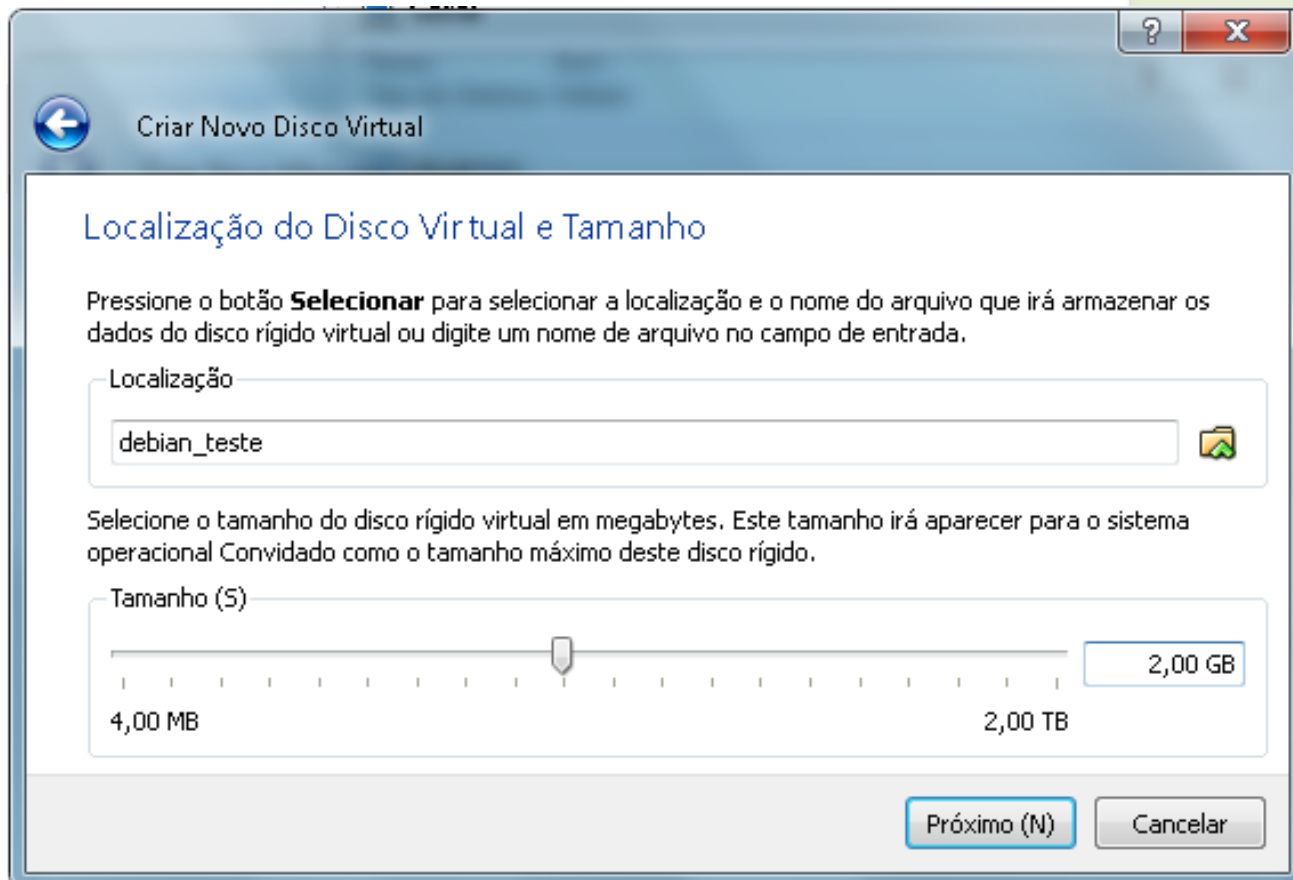
Criando Máquinas Virtuais



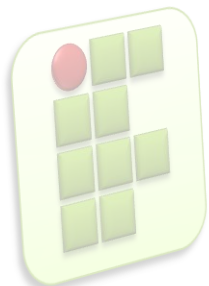
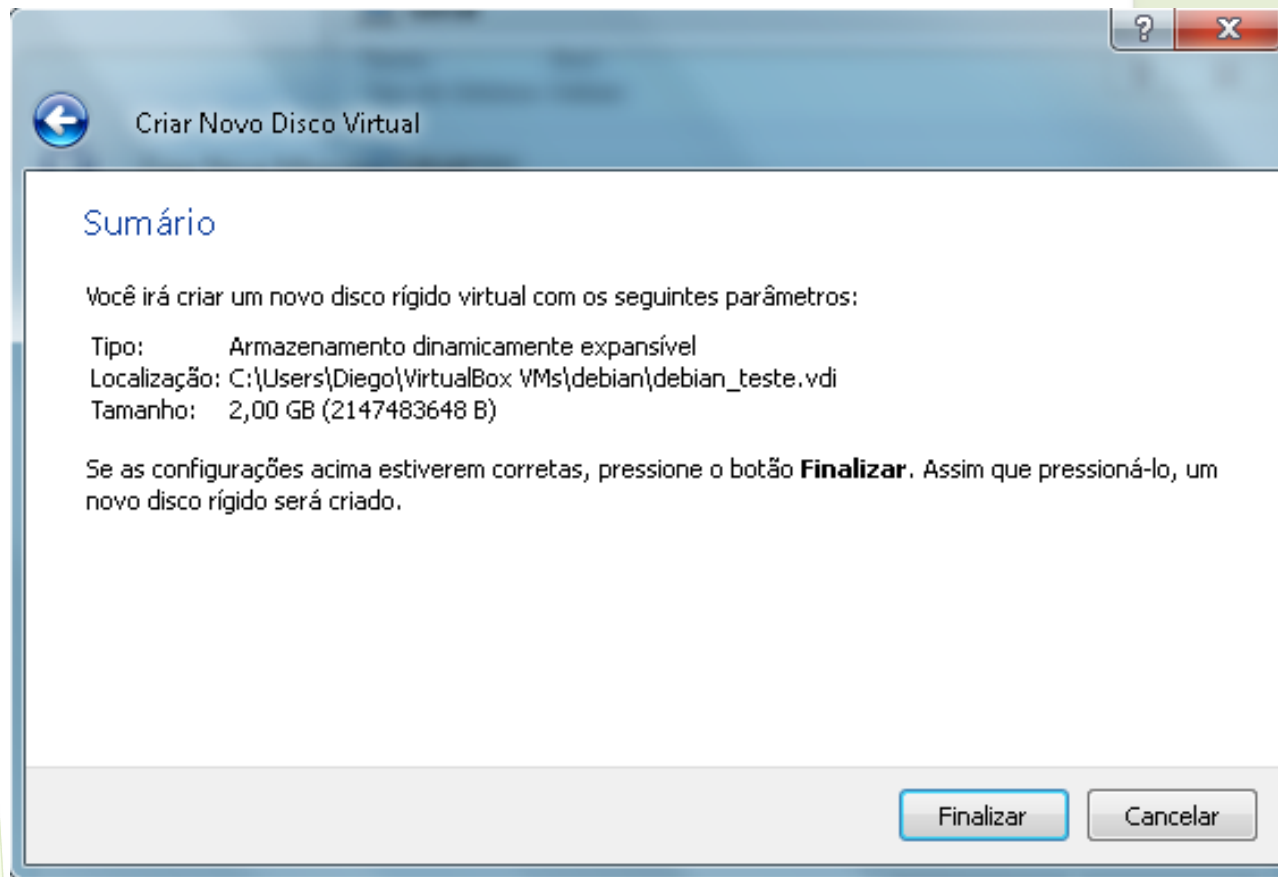
Criando Máquinas Virtuais



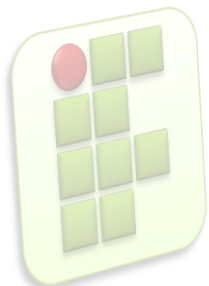
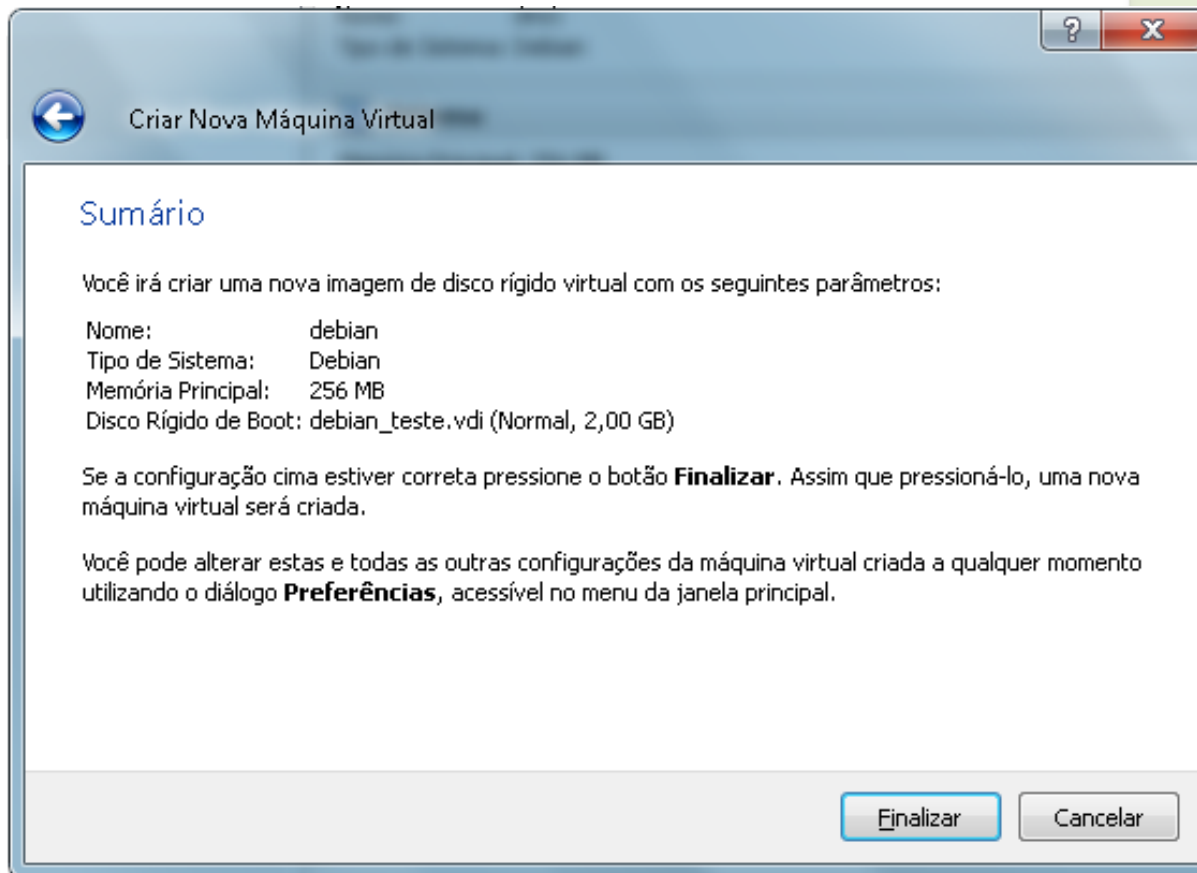
Criando Máquinas Virtuais



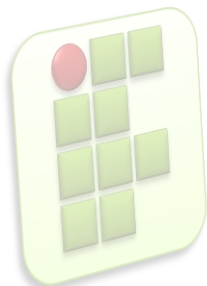
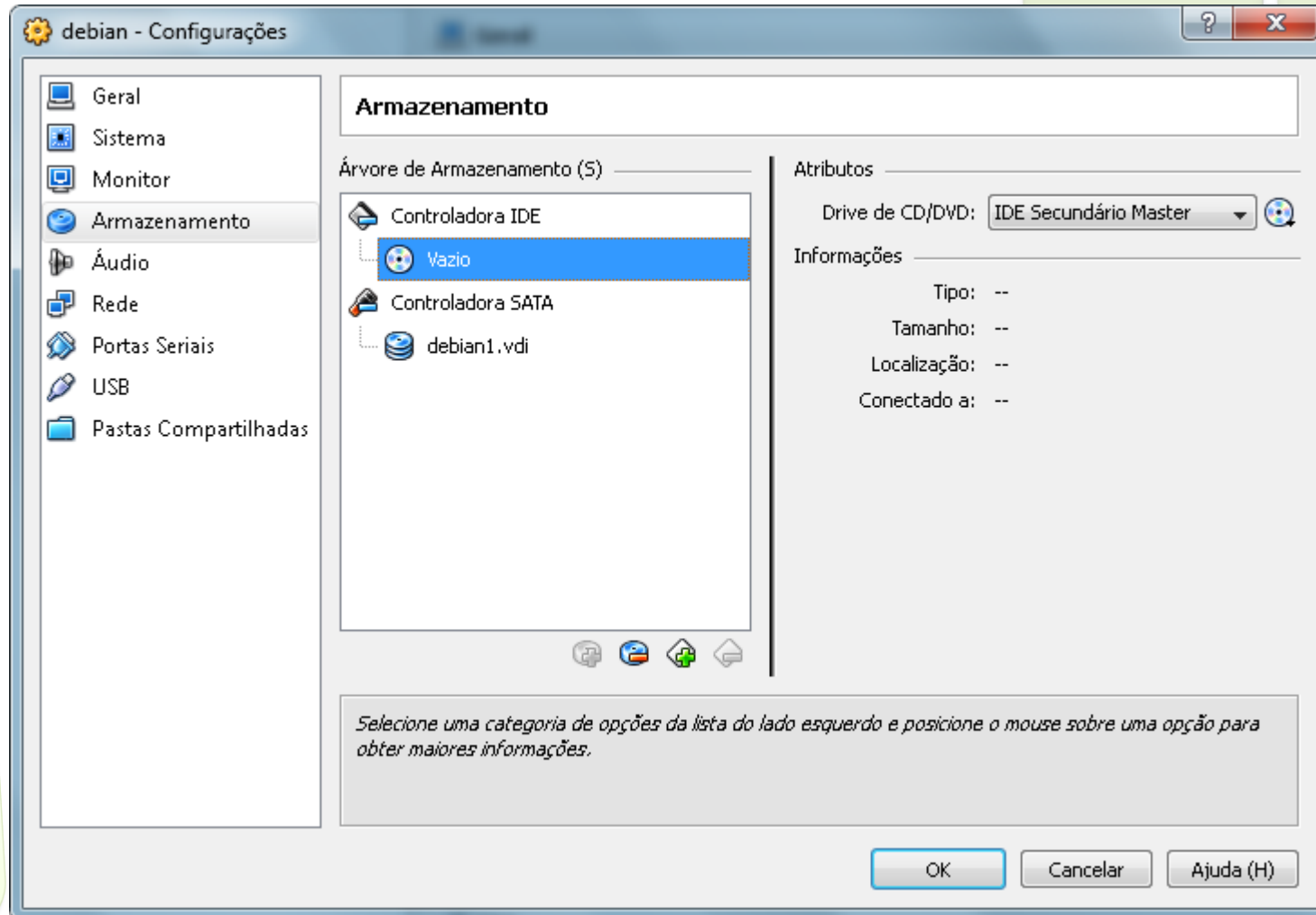
Criando Máquinas Virtuais



Criando Máquinas Virtuais



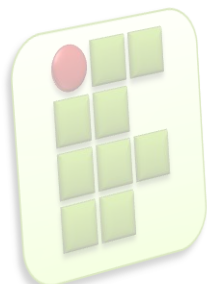
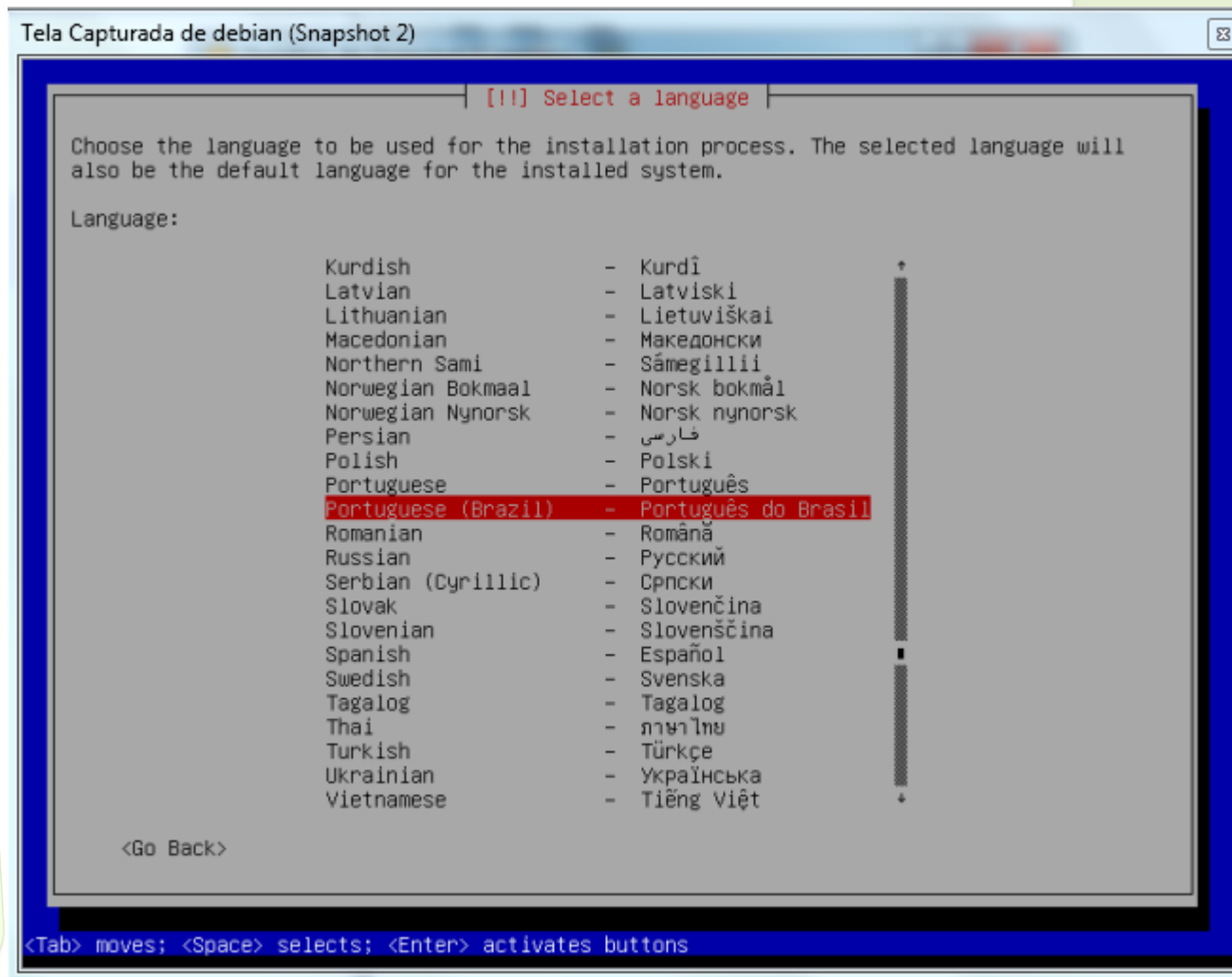
Configurando a VM



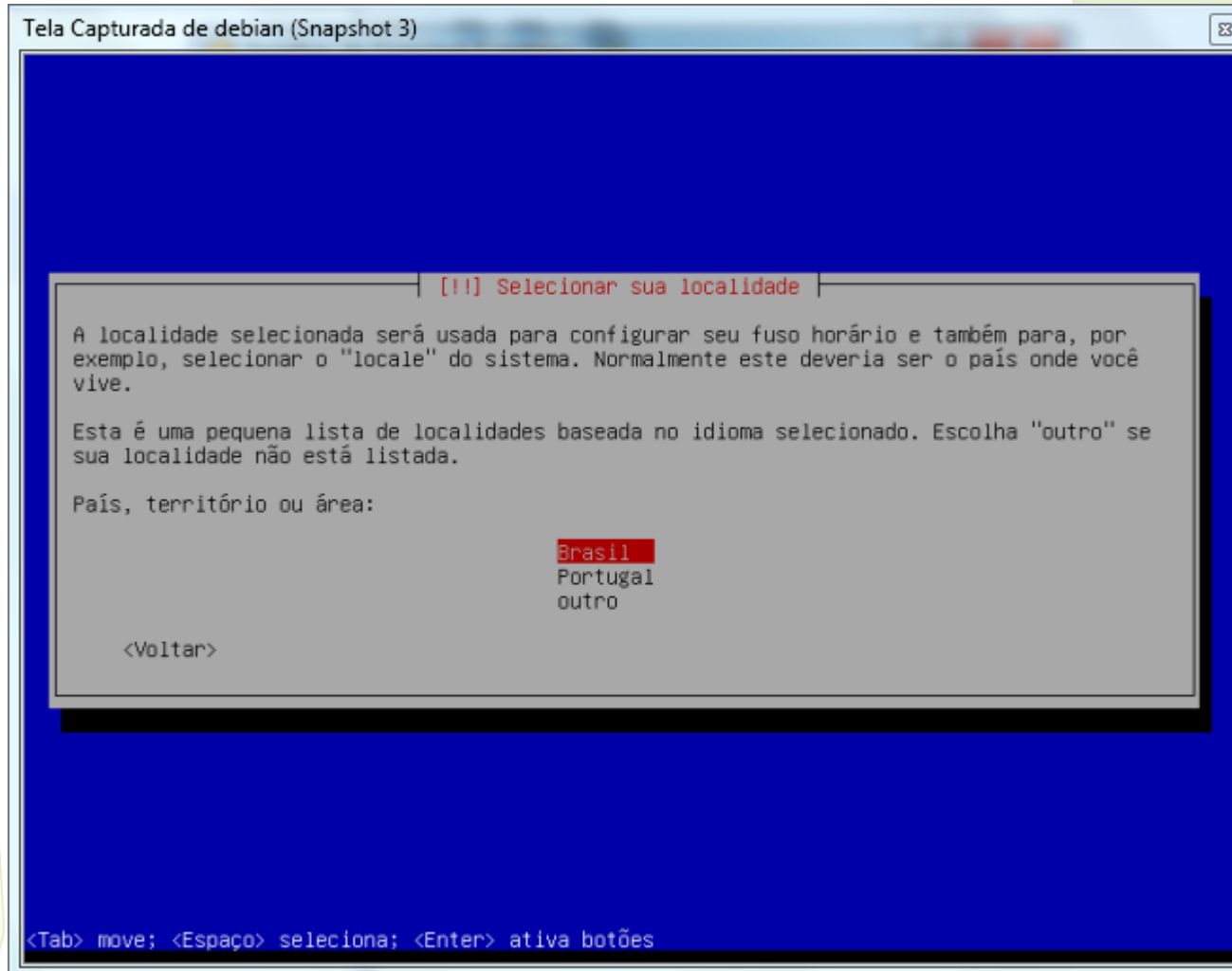
Instalando o Debian



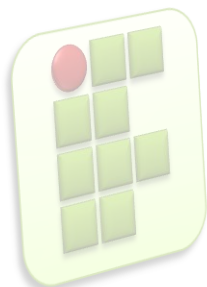
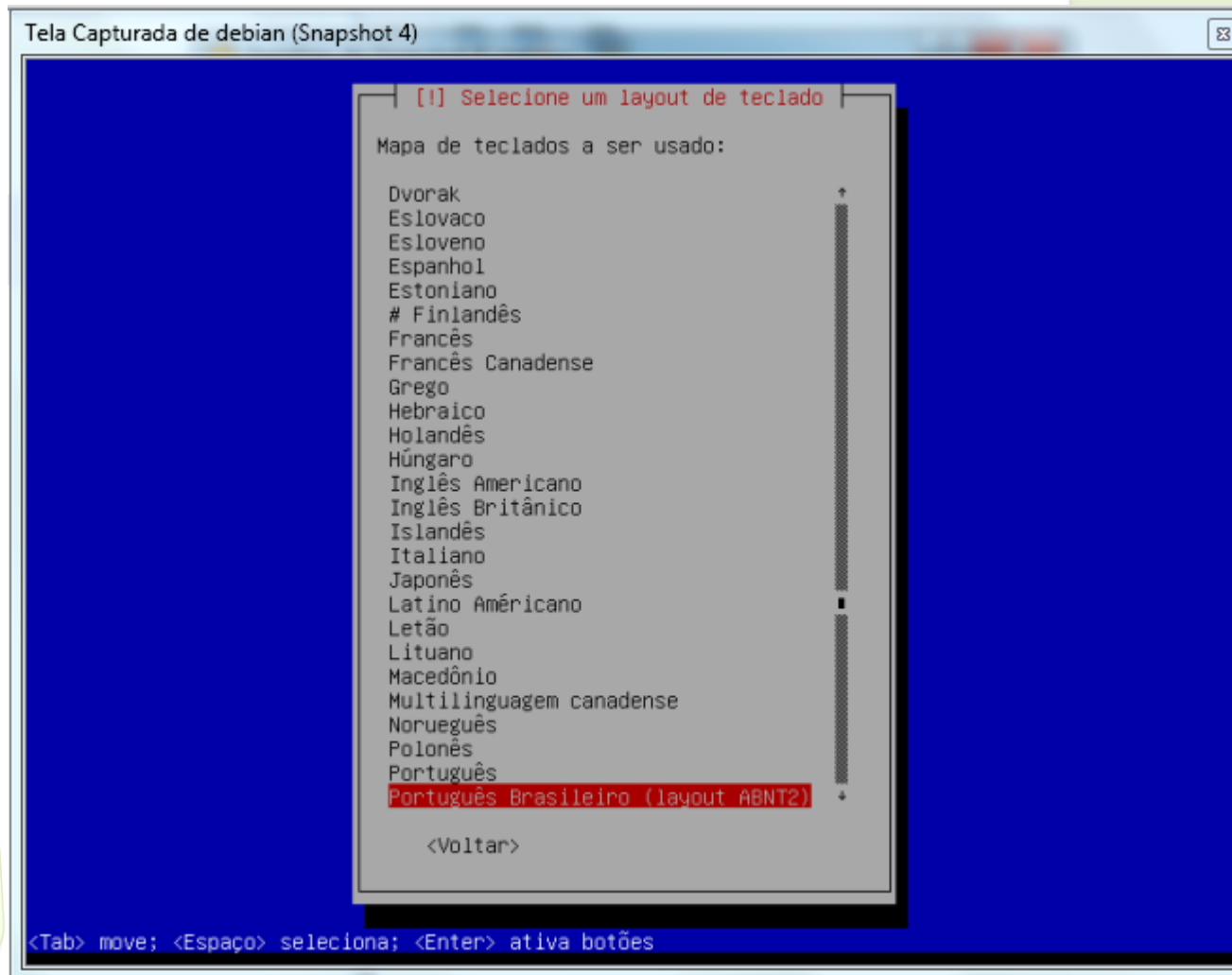
Instalando o Debian



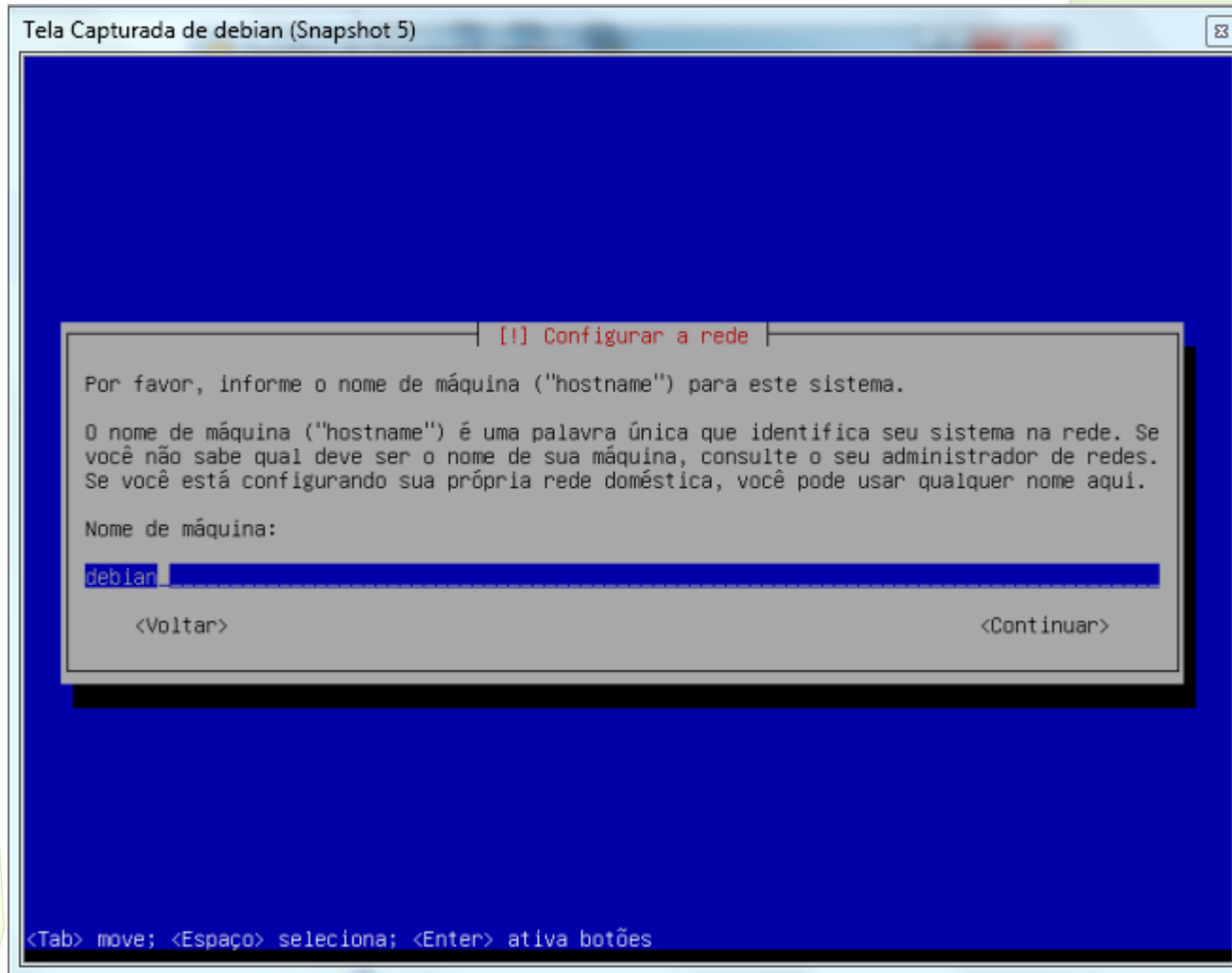
Instalando o Debian



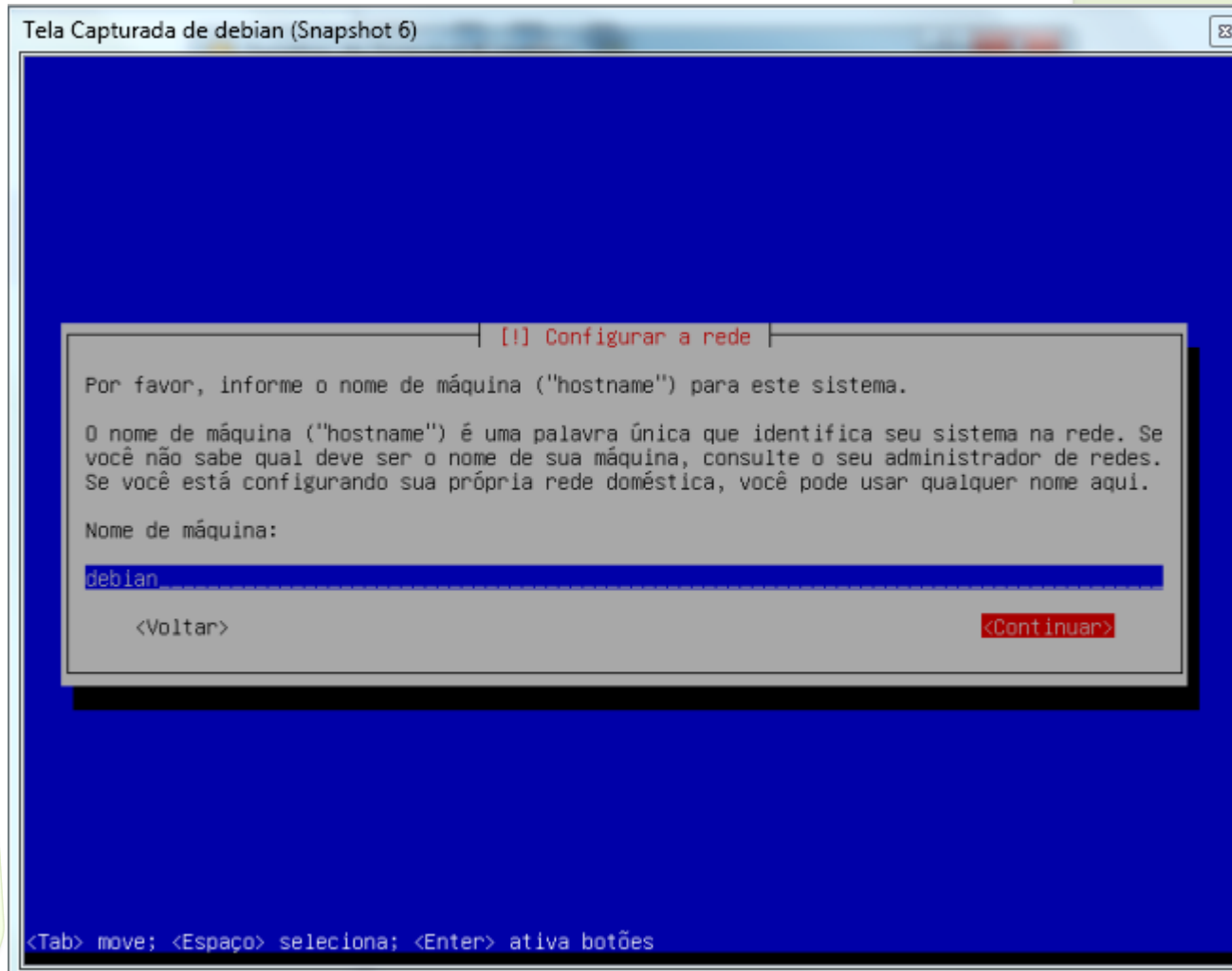
Instalando o Debian



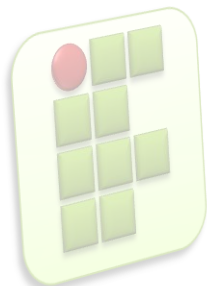
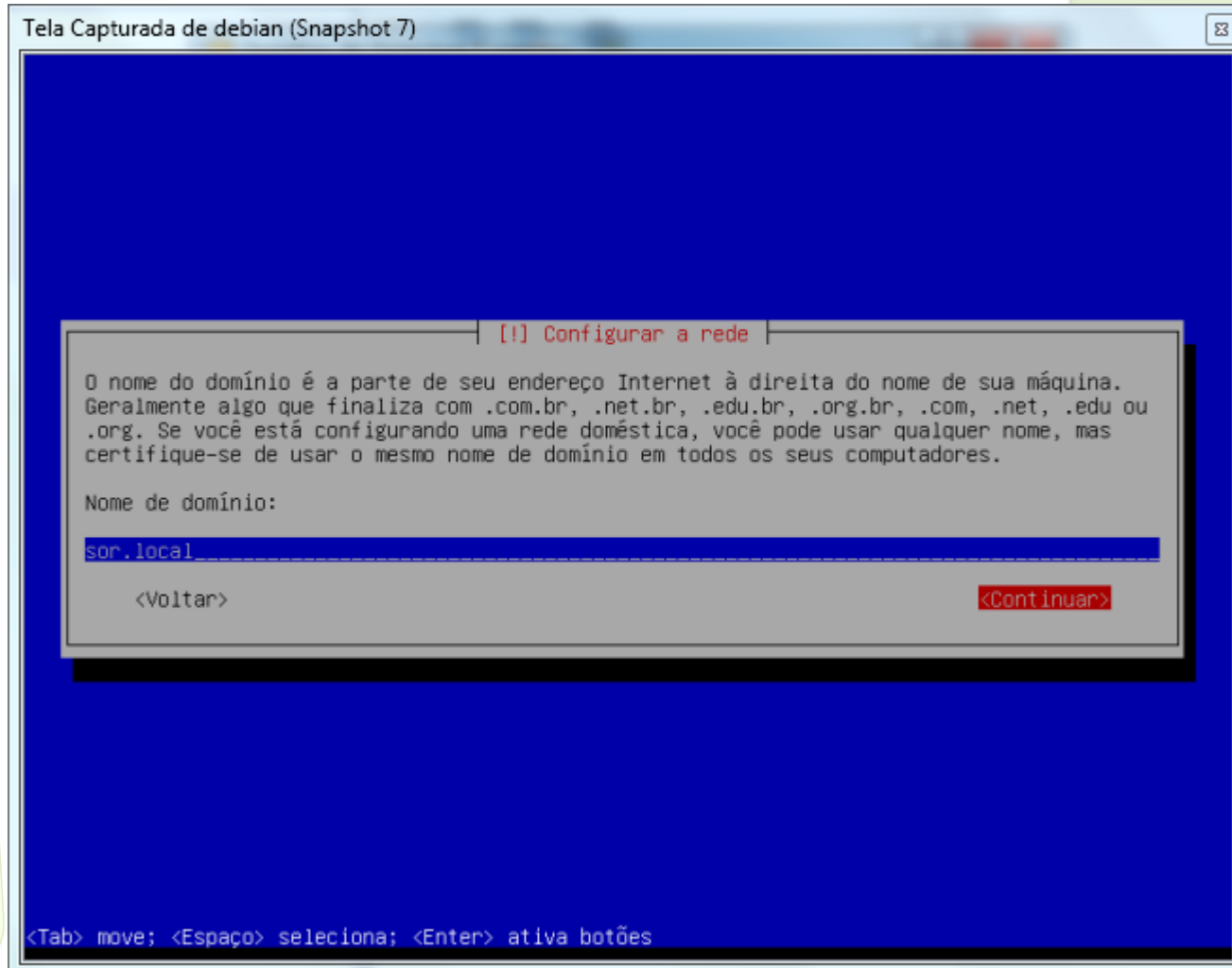
Instalando o Debian



Instalando o Debian



Instalando o Debian



Instalando o Debian

Tela Capturada de debian (Snapshot 8)

[!!] Configurar usuários e senhas

Você precisa definir uma senha para o 'root', a conta administrativa do sistema. Um usuário malicioso ou não qualificado com acesso root pode levar a resultados desastrosos, portanto você deve tomar o cuidado de escolher uma senha que não seja fácil de ser adivinhada. Essa senha não deve ser uma palavra encontrada em dicionários ou uma palavra que possa ser facilmente associada a você.

Uma boa senha conterá uma mistura de letras, números e pontuação e deverá ser modificada em intervalos regulares.

O usuário root não deverá ter uma senha em branco. Se você deixar este campo vazio, a conta do root será desabilitada e o usuário inicial do sistema receberá o poder de tornar-se root usando o comando "sudo".

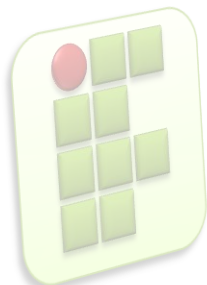
Note que você não poderá ver a senha enquanto a digita.

Senha do root:

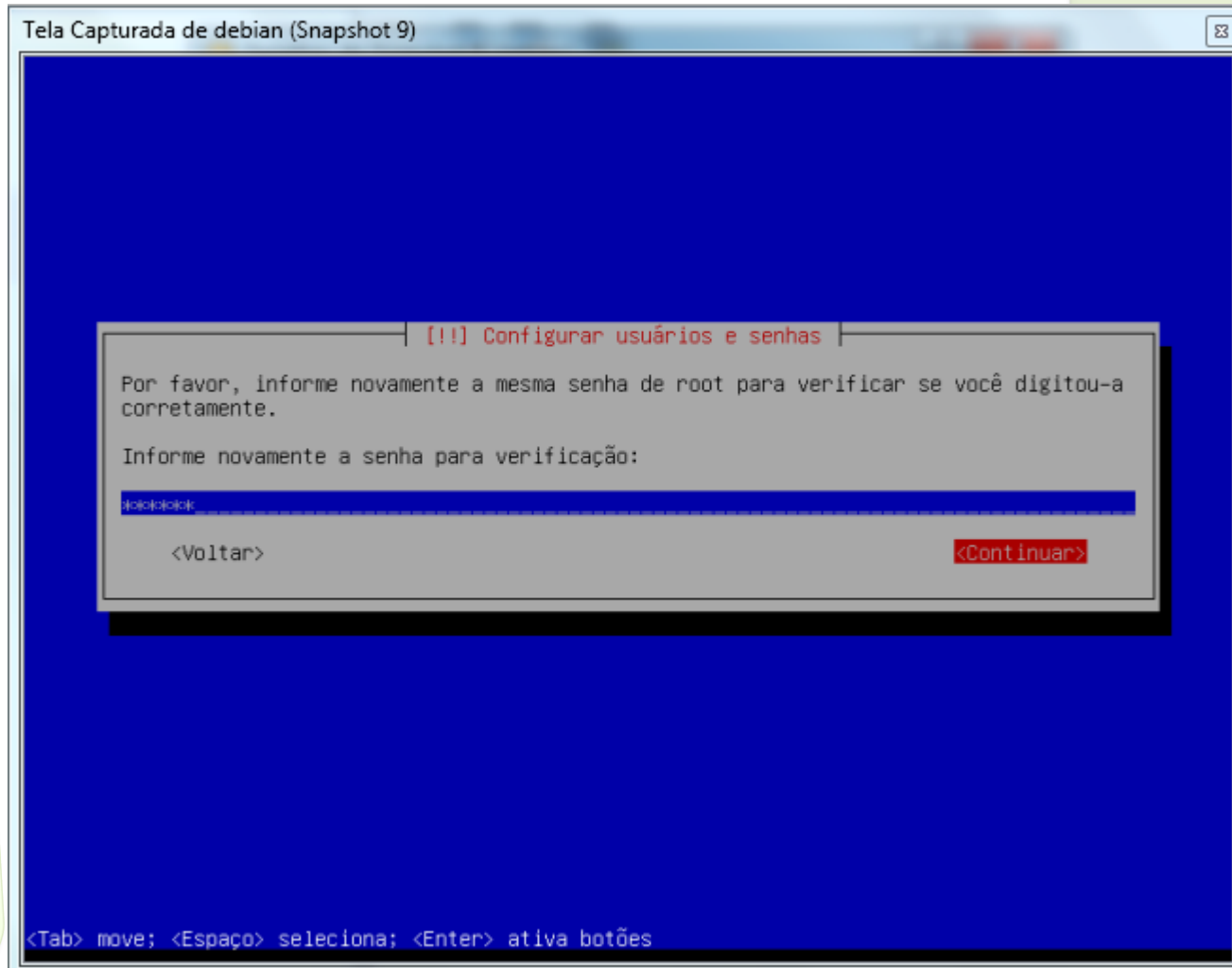
XXXXXXXXXX

<Voltar> <Continuar>

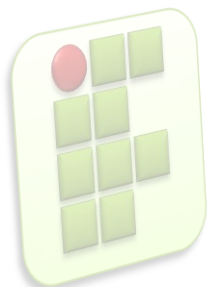
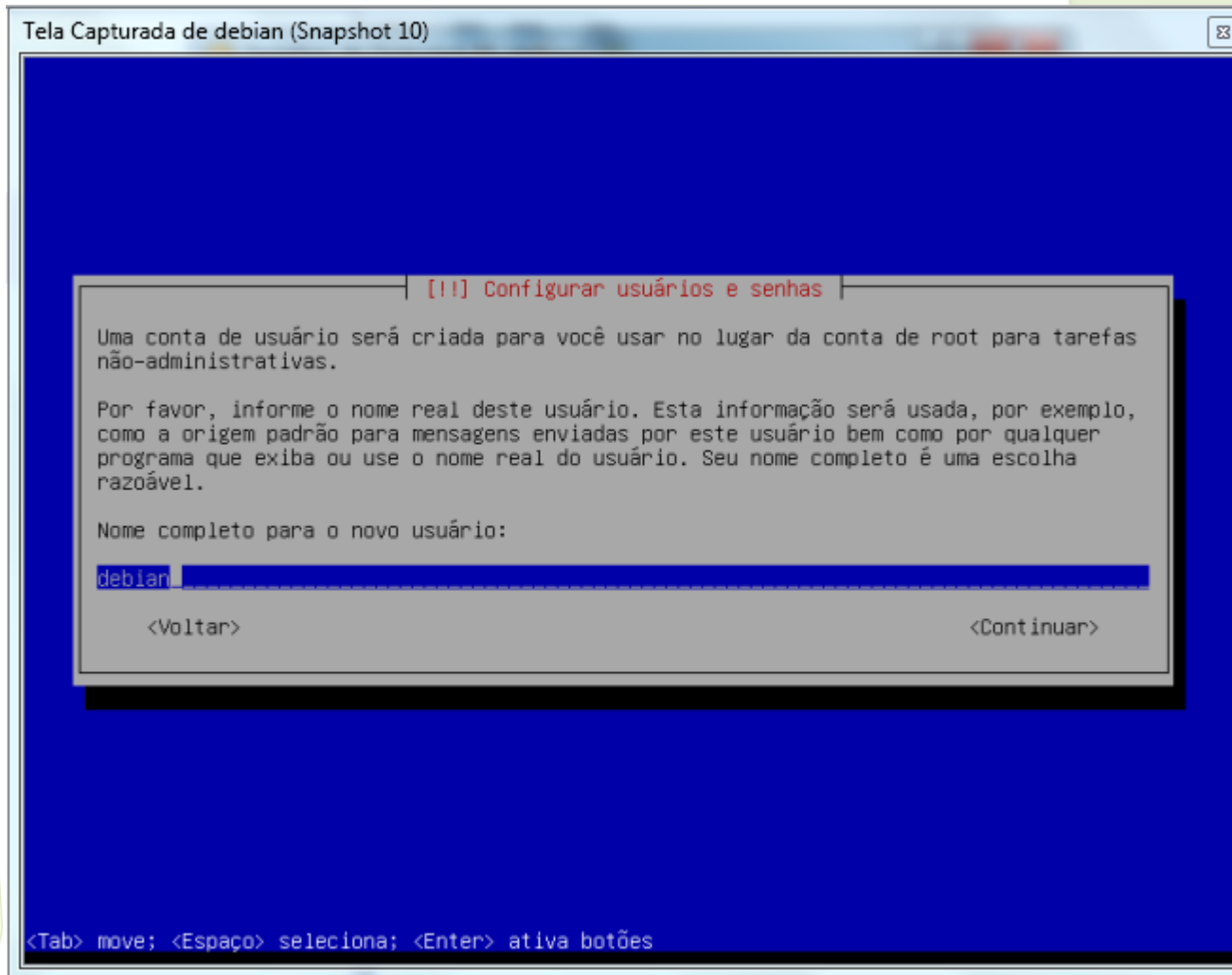
<Tab> move; <Espaço> seleciona; <Enter> ativa botões



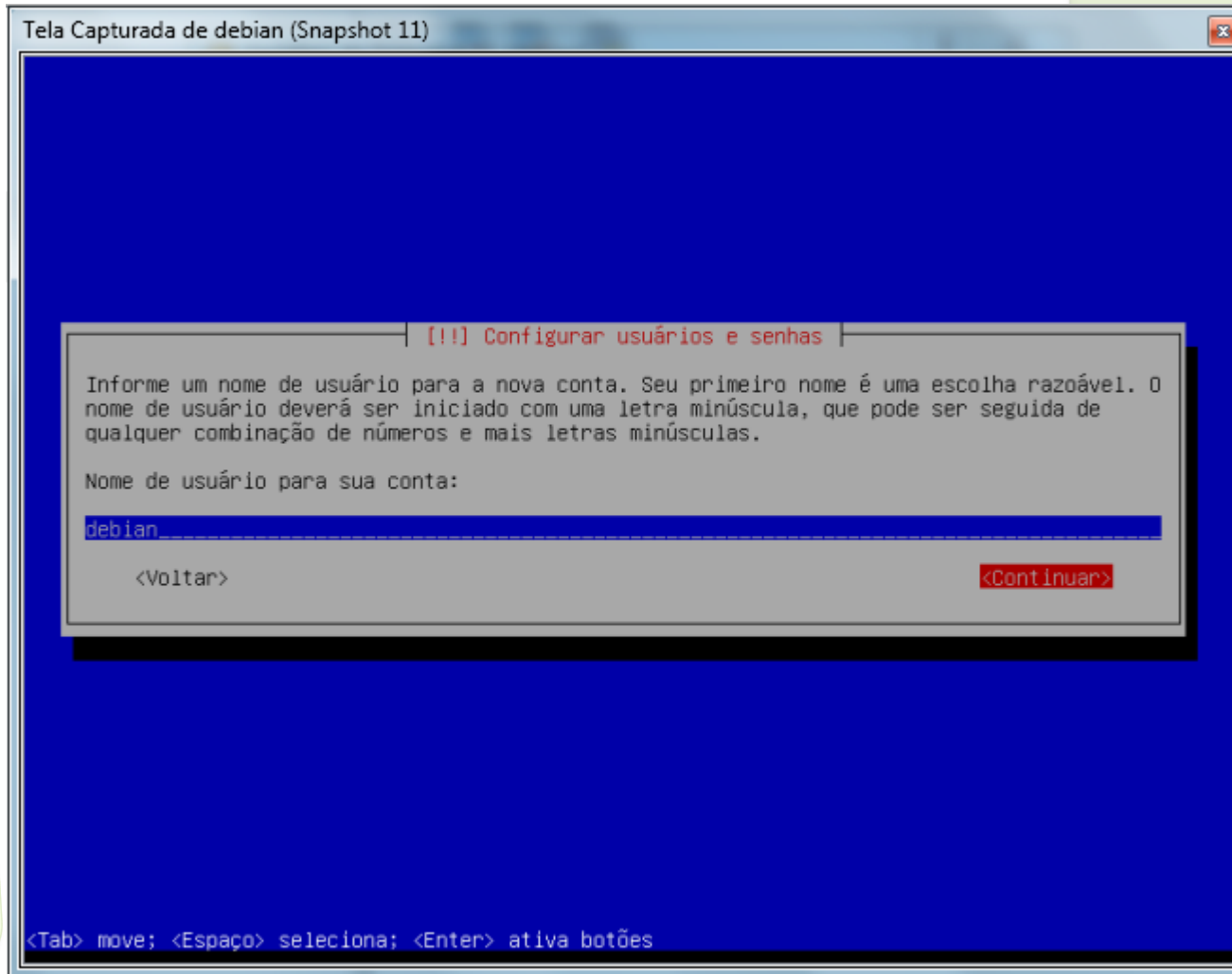
Instalando o Debian



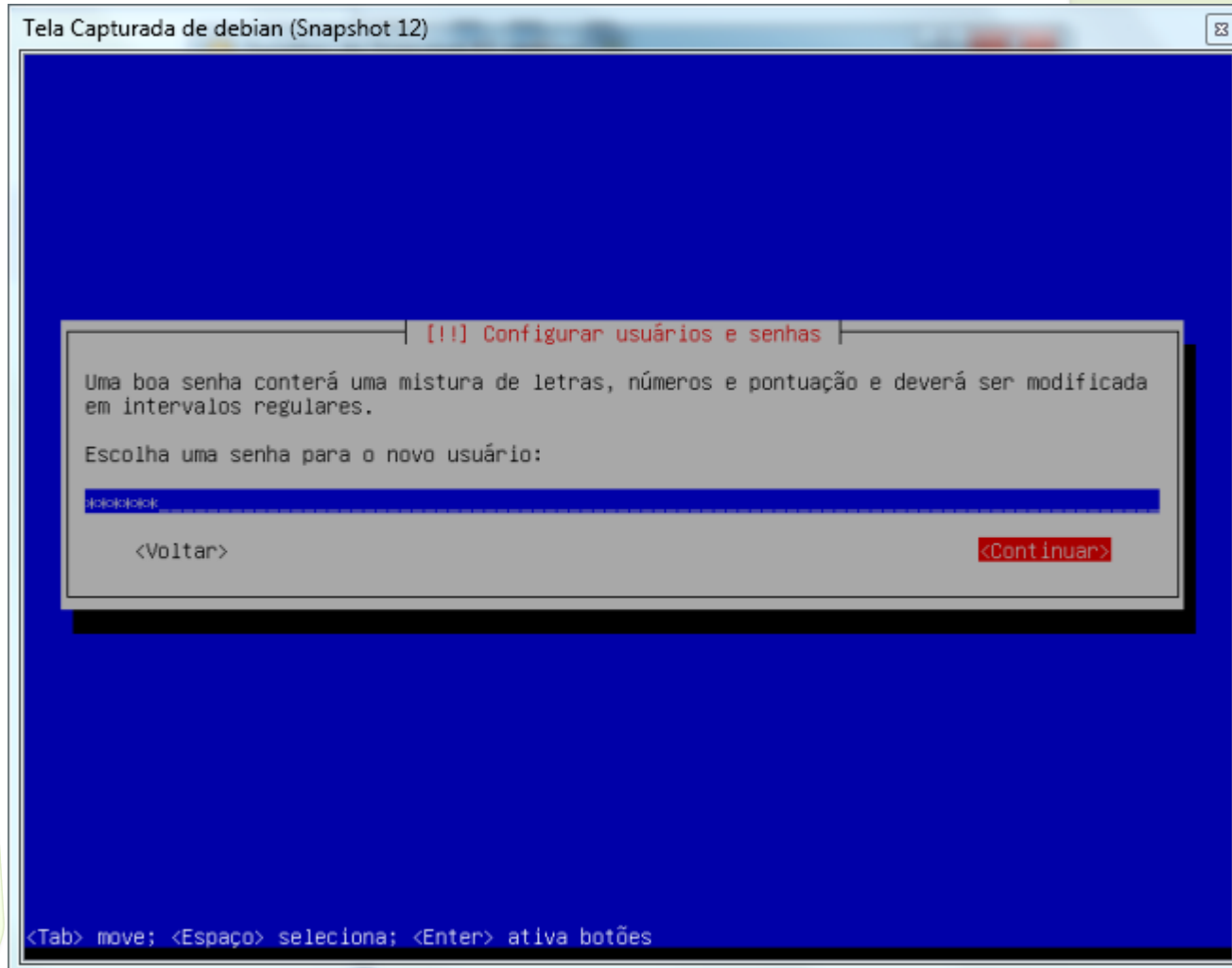
Instalando o Debian



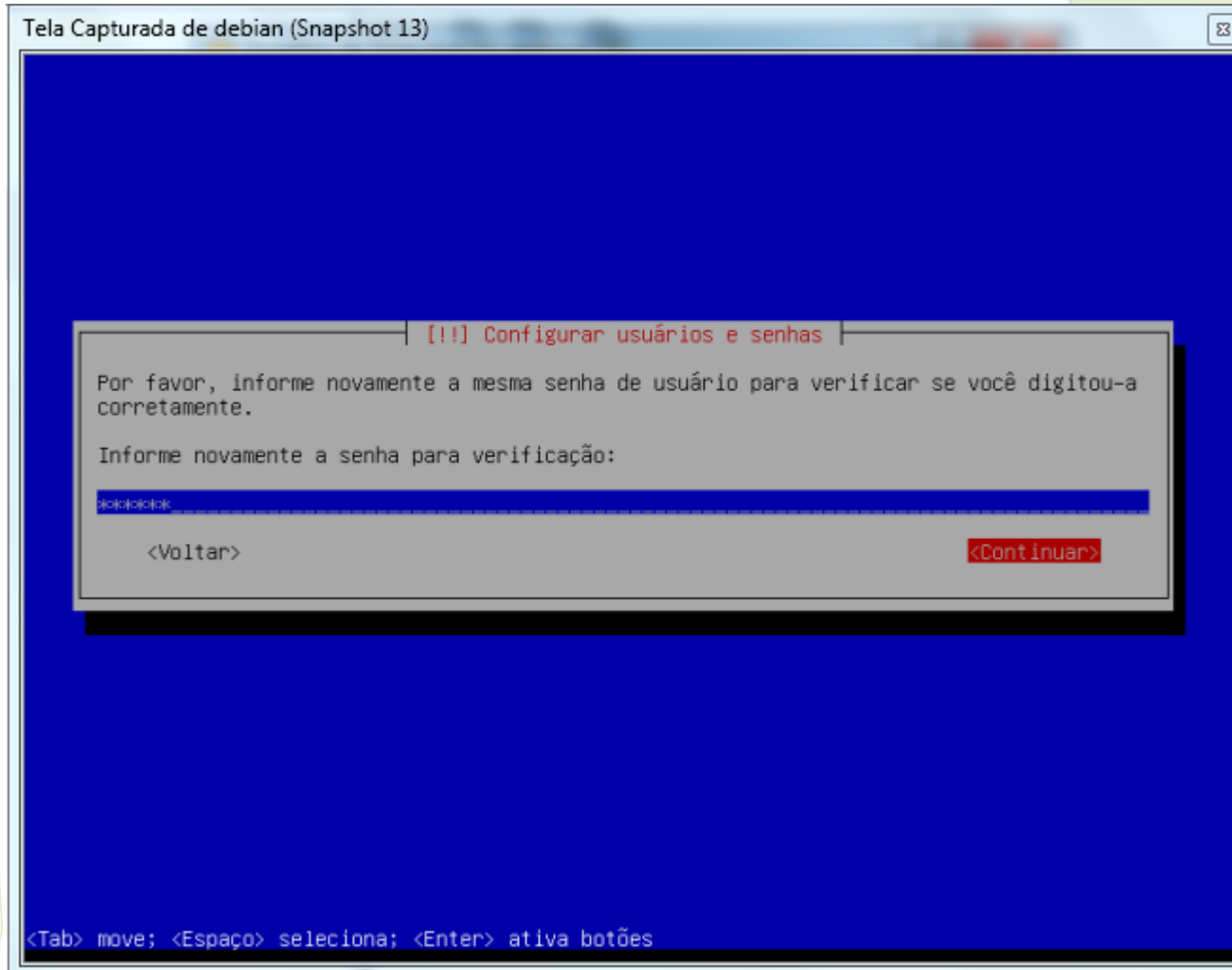
Instalando o Debian



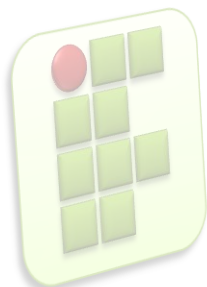
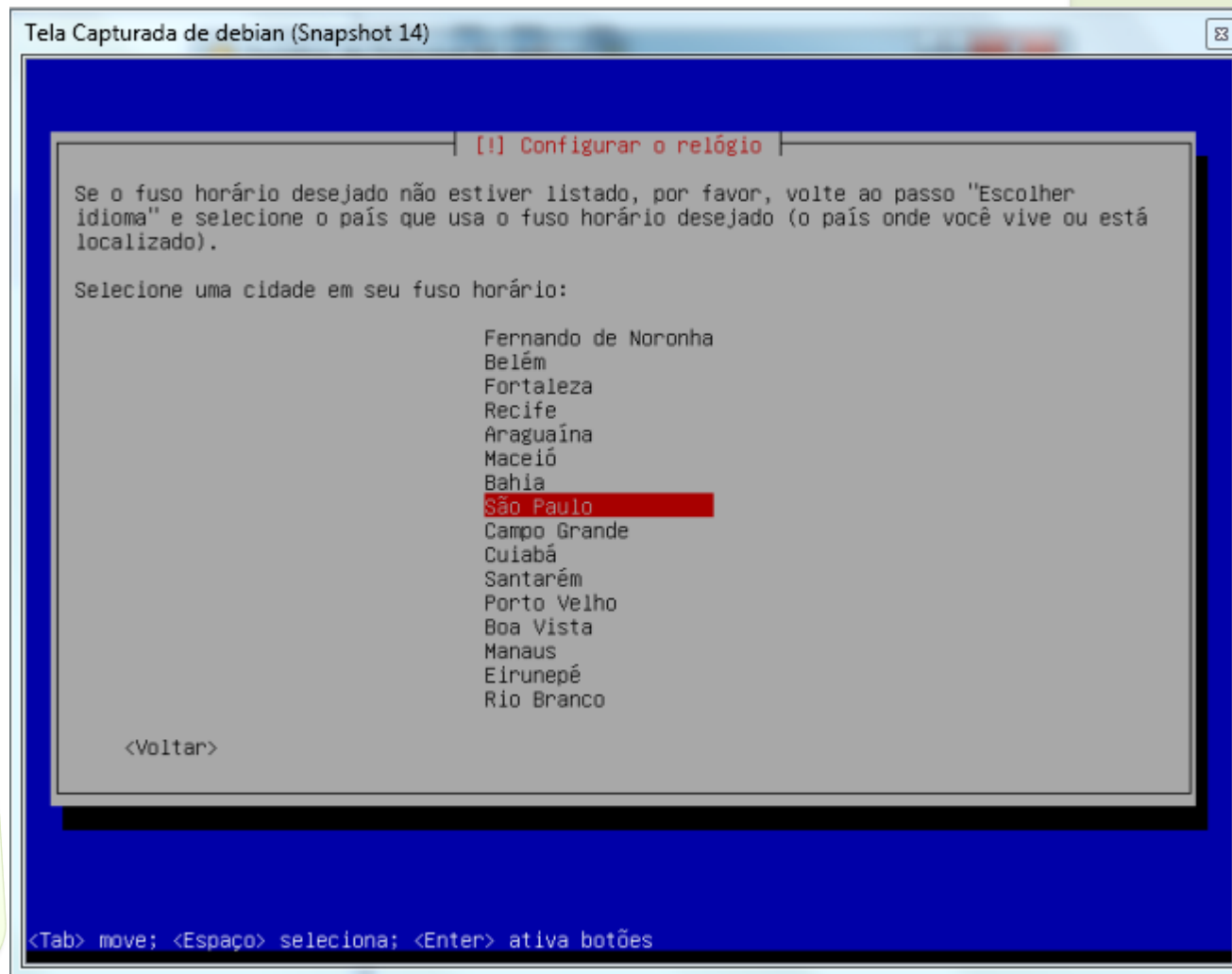
Instalando o Debian



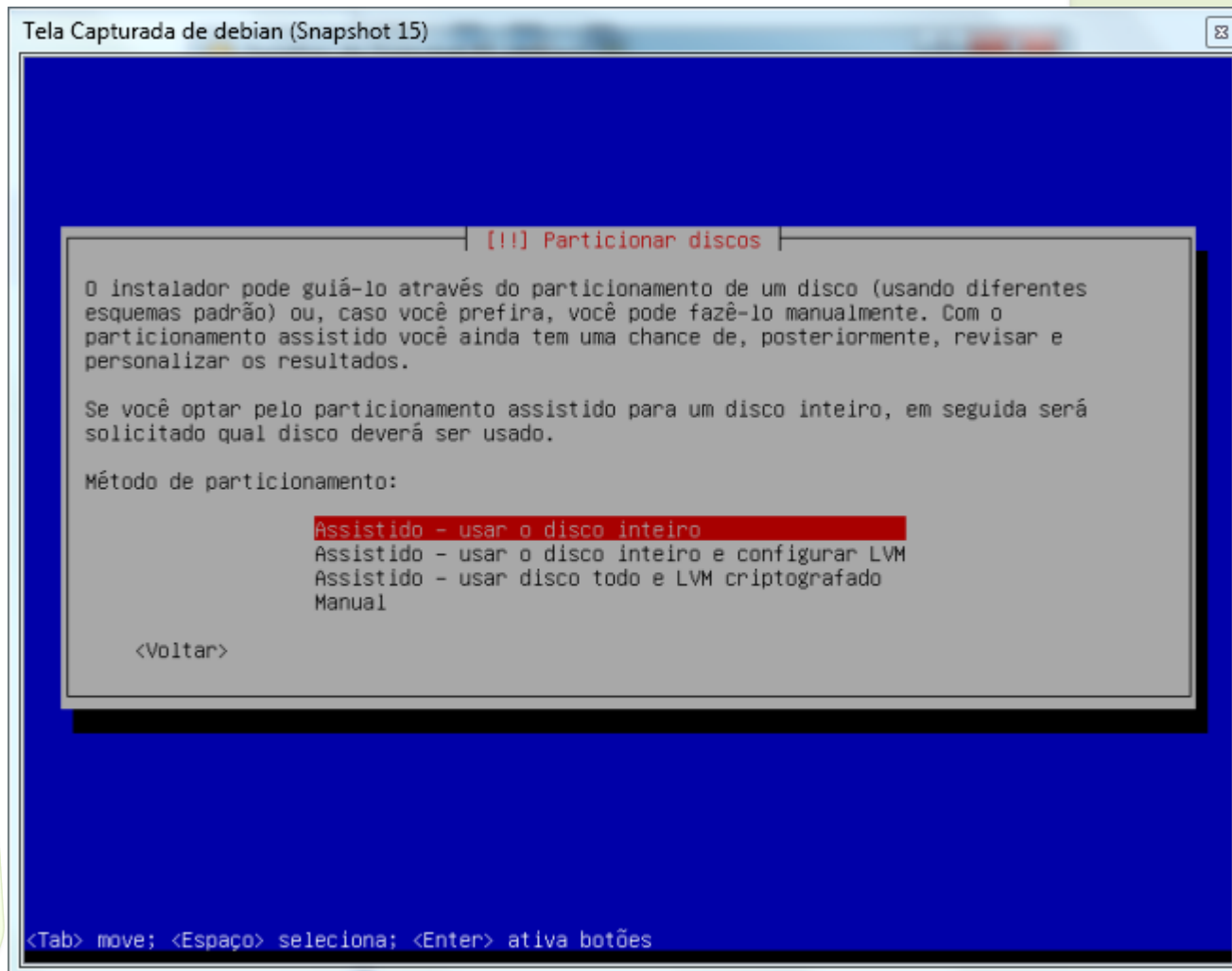
Instalando o Debian



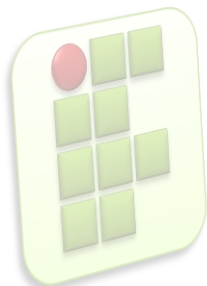
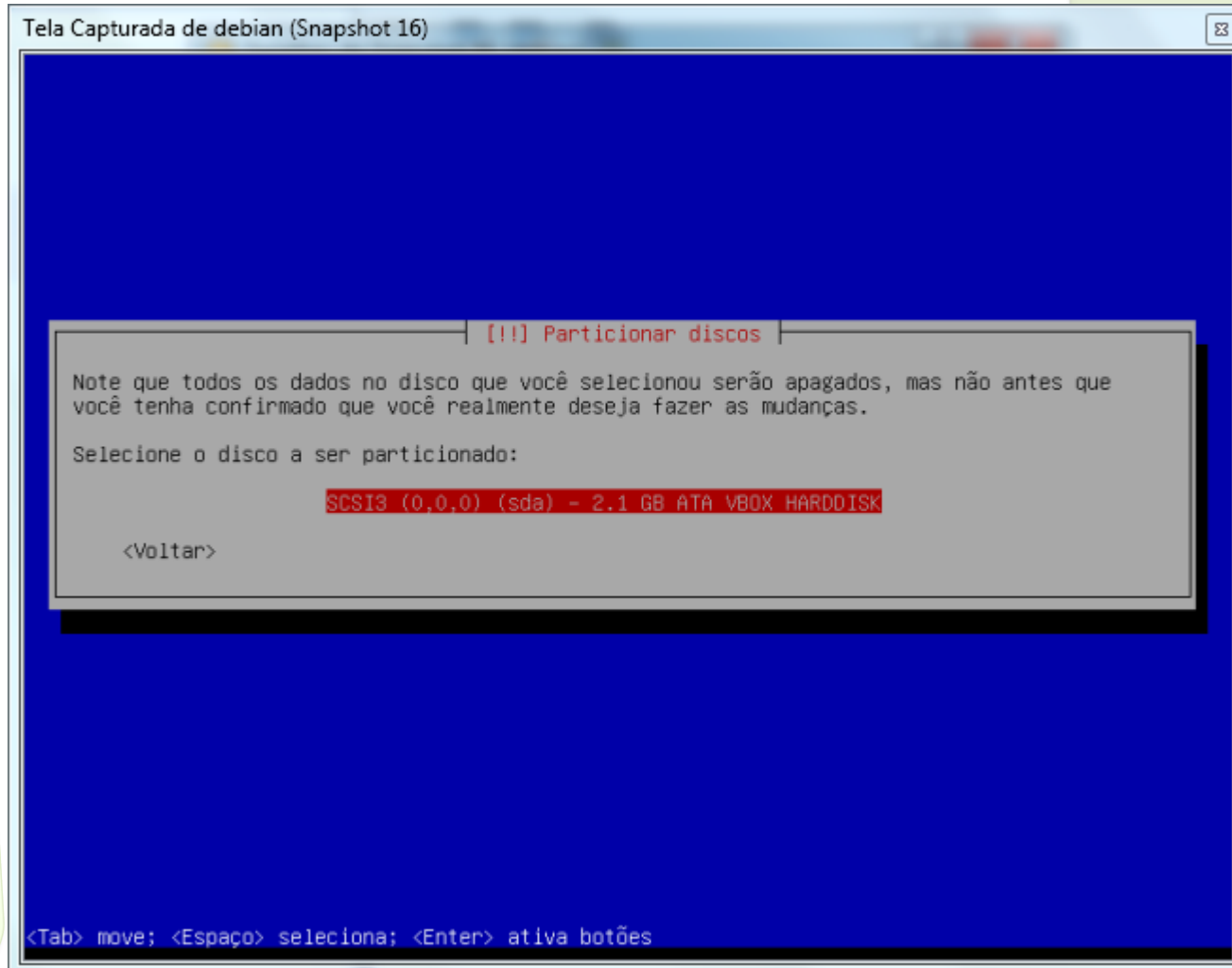
Instalando o Debian



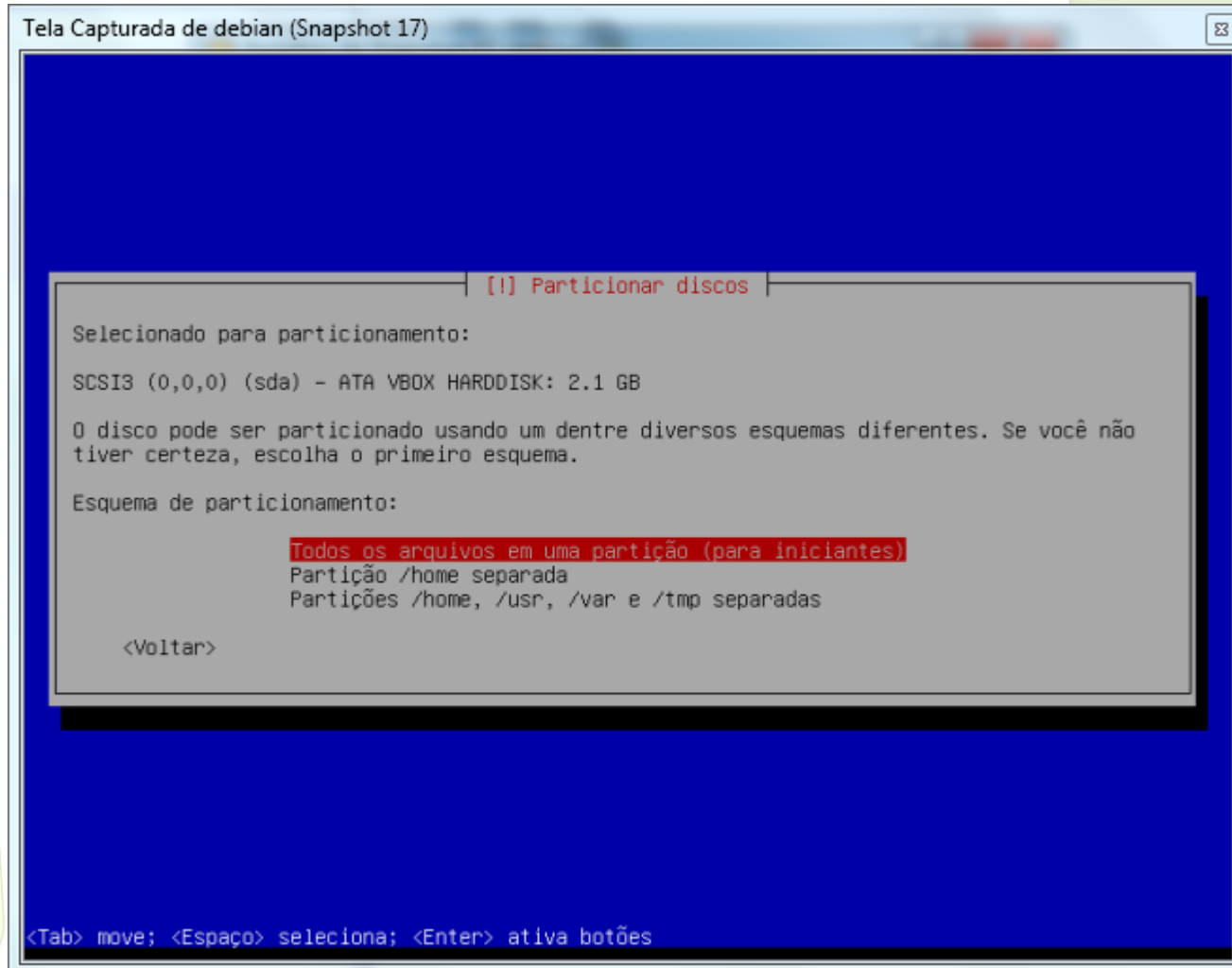
Instalando o Debian



Instalando o Debian



Instalando o Debian



Instalando o Debian

Tela Capturada de debian (Snapshot 18)

```
[!!] Particionar discos
```

Esta é uma visão geral de suas partições e pontos de montagem atualmente configurados. Seleccione uma partição para modificar suas configurações (sistema de arquivos, ponto de montagem, etc), um espaço livre onde criar partições ou um dispositivo no qual inicializar uma tabela de partições.

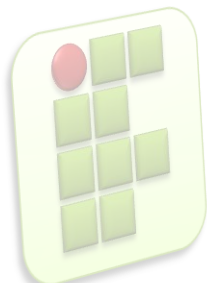
Particionamento assistido
Configurar RAID via software
Configurar o Gerenciador de Volumes Lógicos
Configurar volumes criptografados

SCSI3 (0,0,0) (sda) - 2.1 GB ATA VBOX HARDDISK
No. 1 primária 2.0 GB B F ext3 /
No. 5 lógica 141.6 MB F swap swap

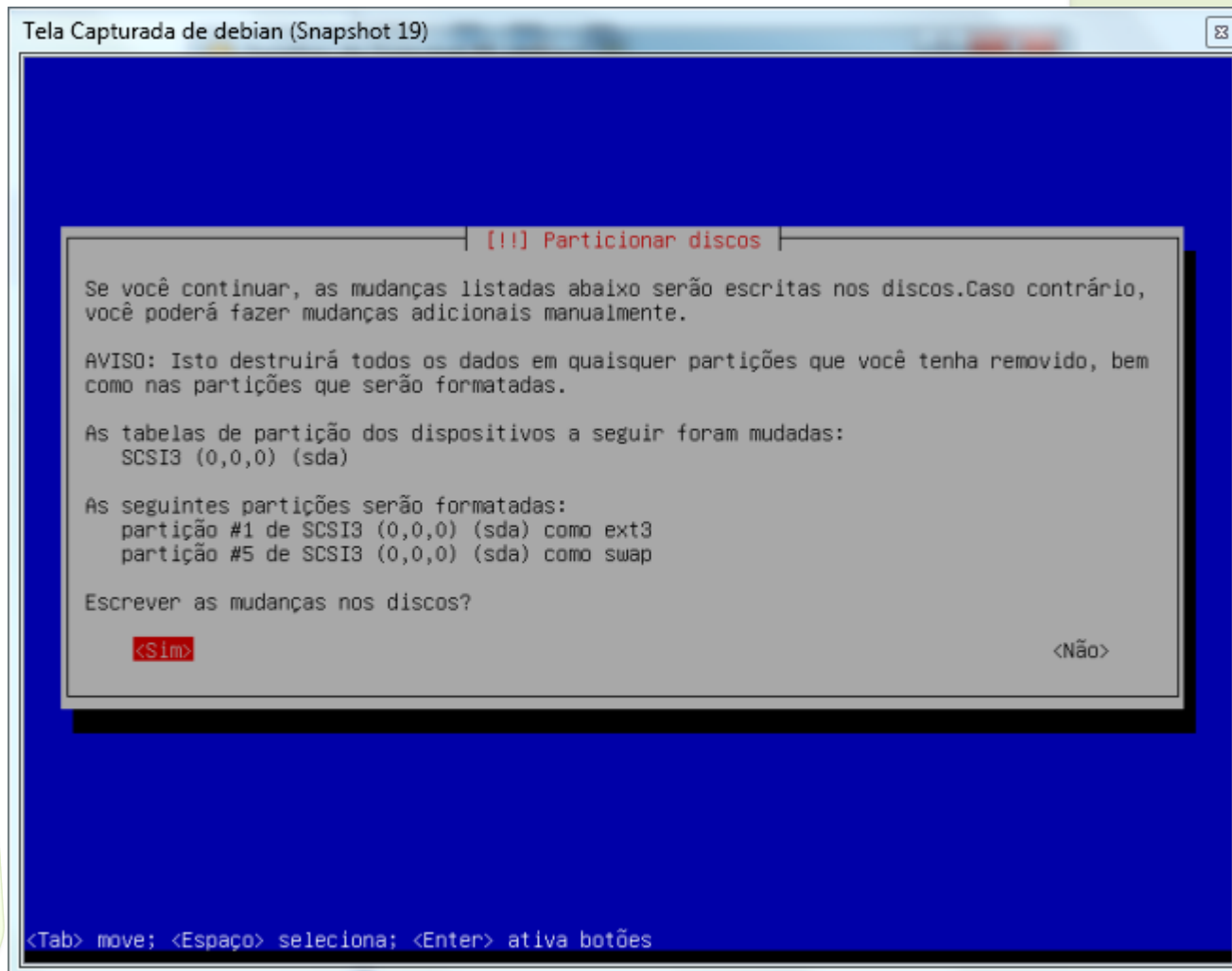
Desfazer as mudanças nas partições
Finalizar o particionamento e escrever as mudanças no disco

<Voltar>

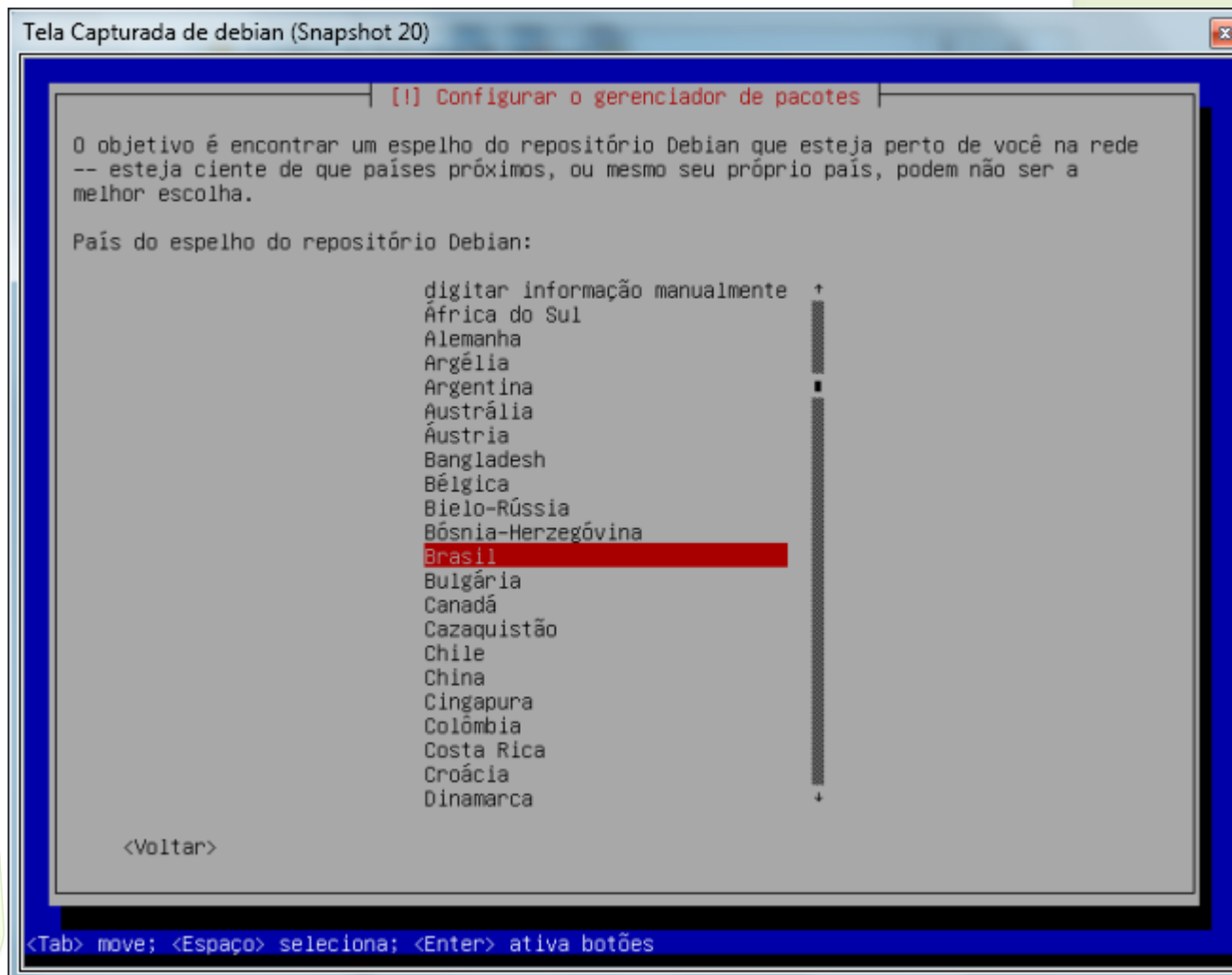
<F1> para ajuda; <Tab> move; <Espaço> seleciona; <Enter> ativa botões



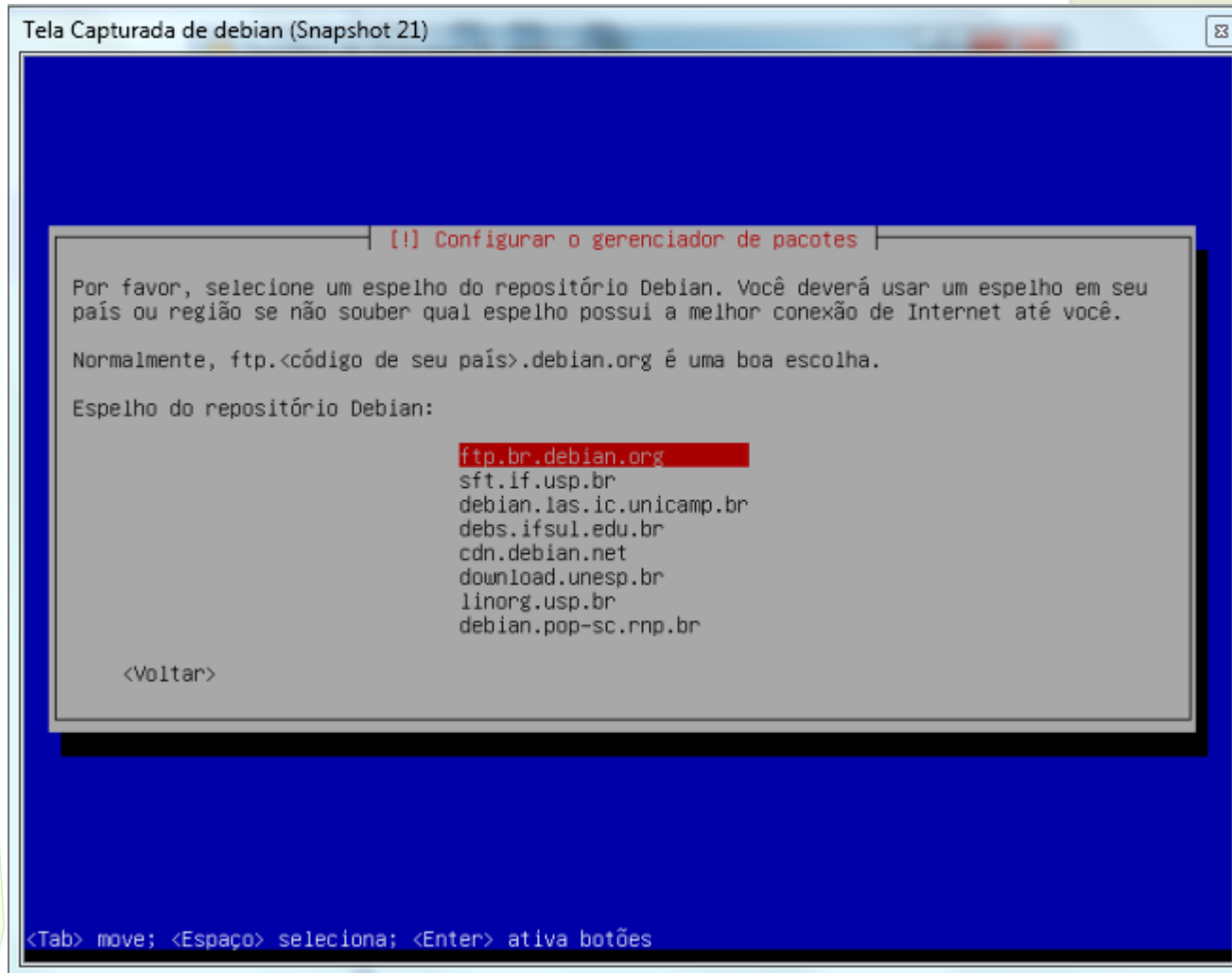
Instalando o Debian



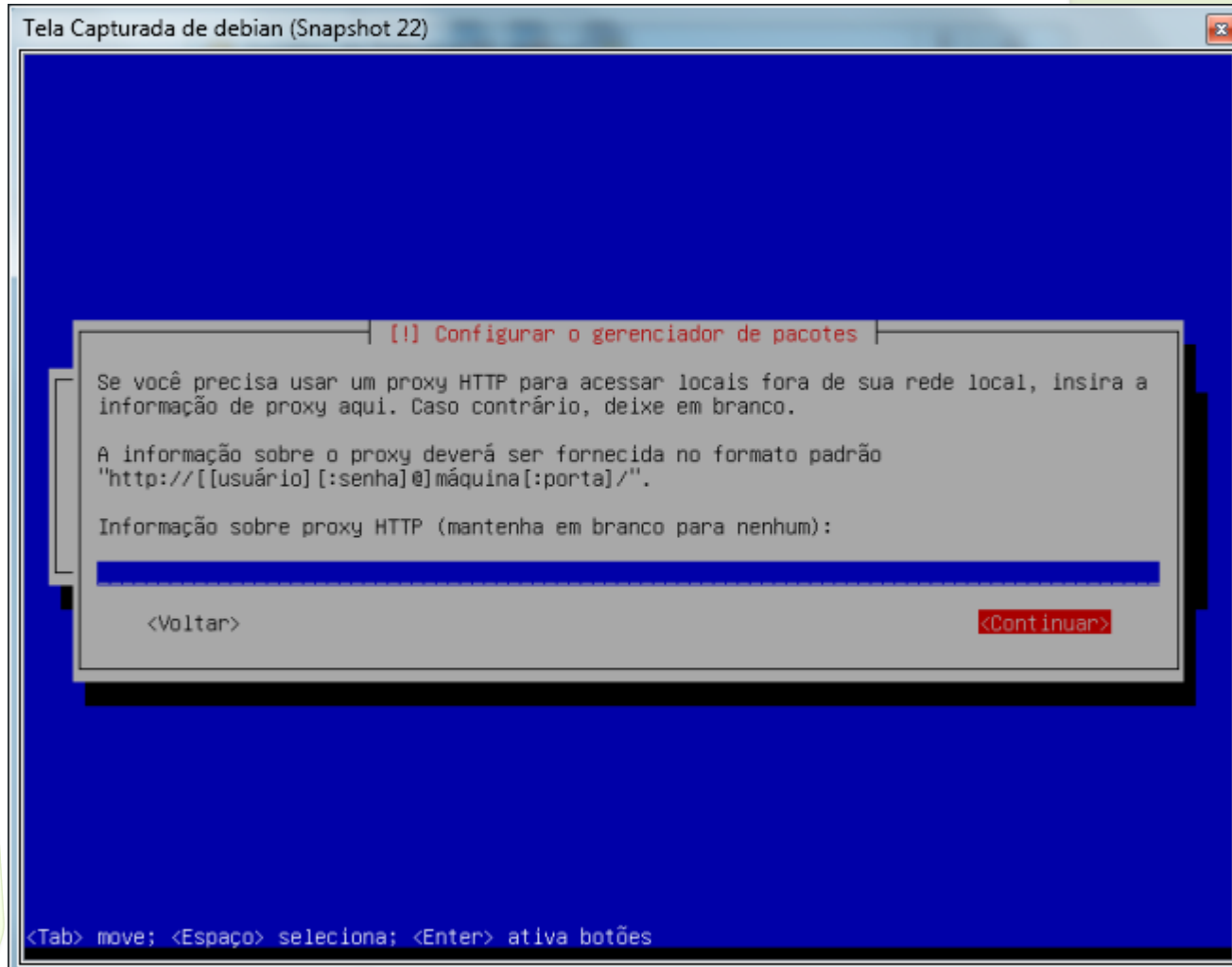
Instalando o Debian



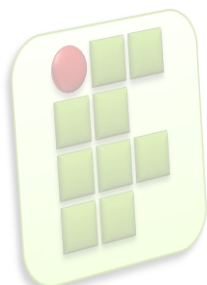
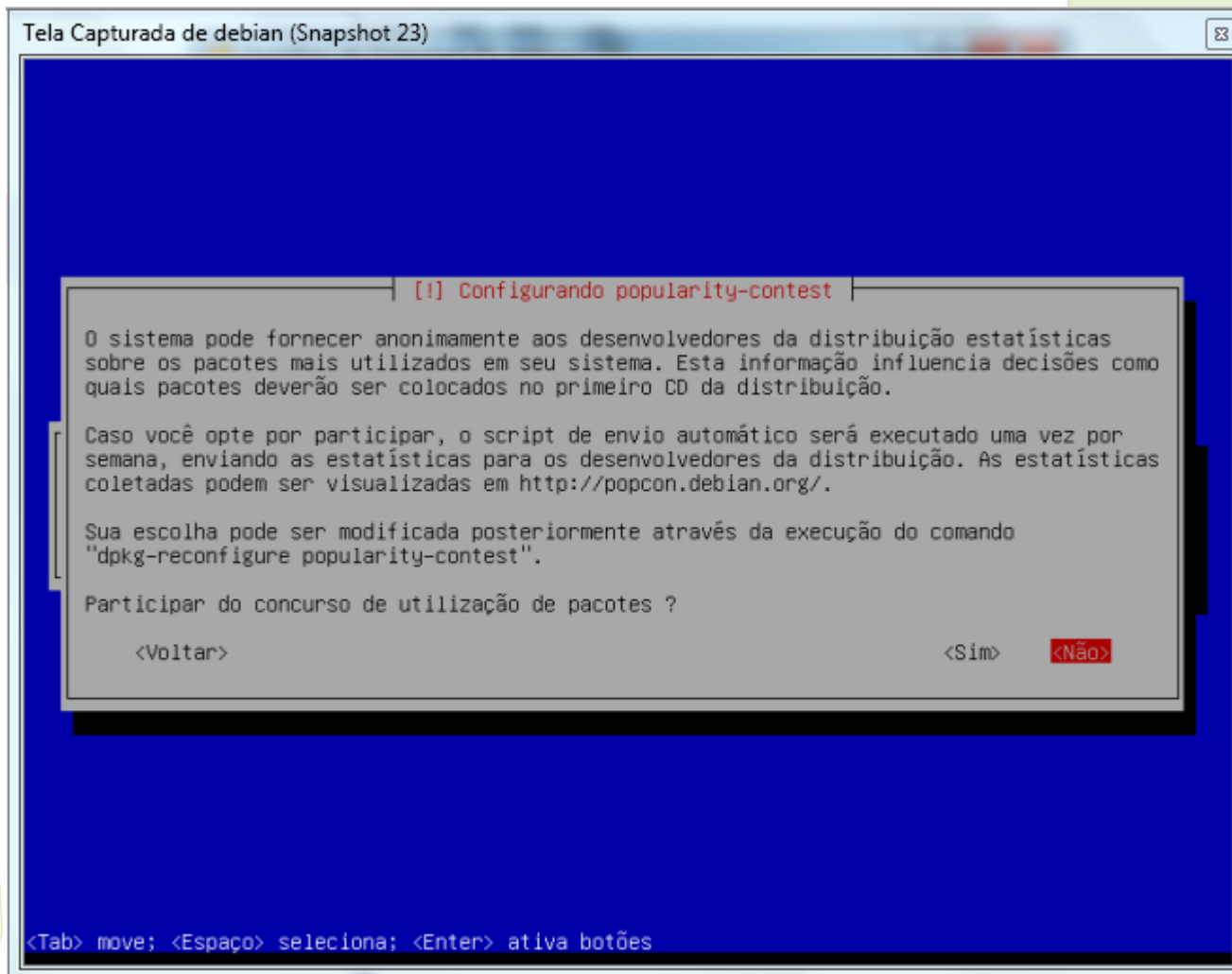
Instalando o Debian



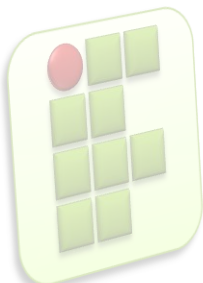
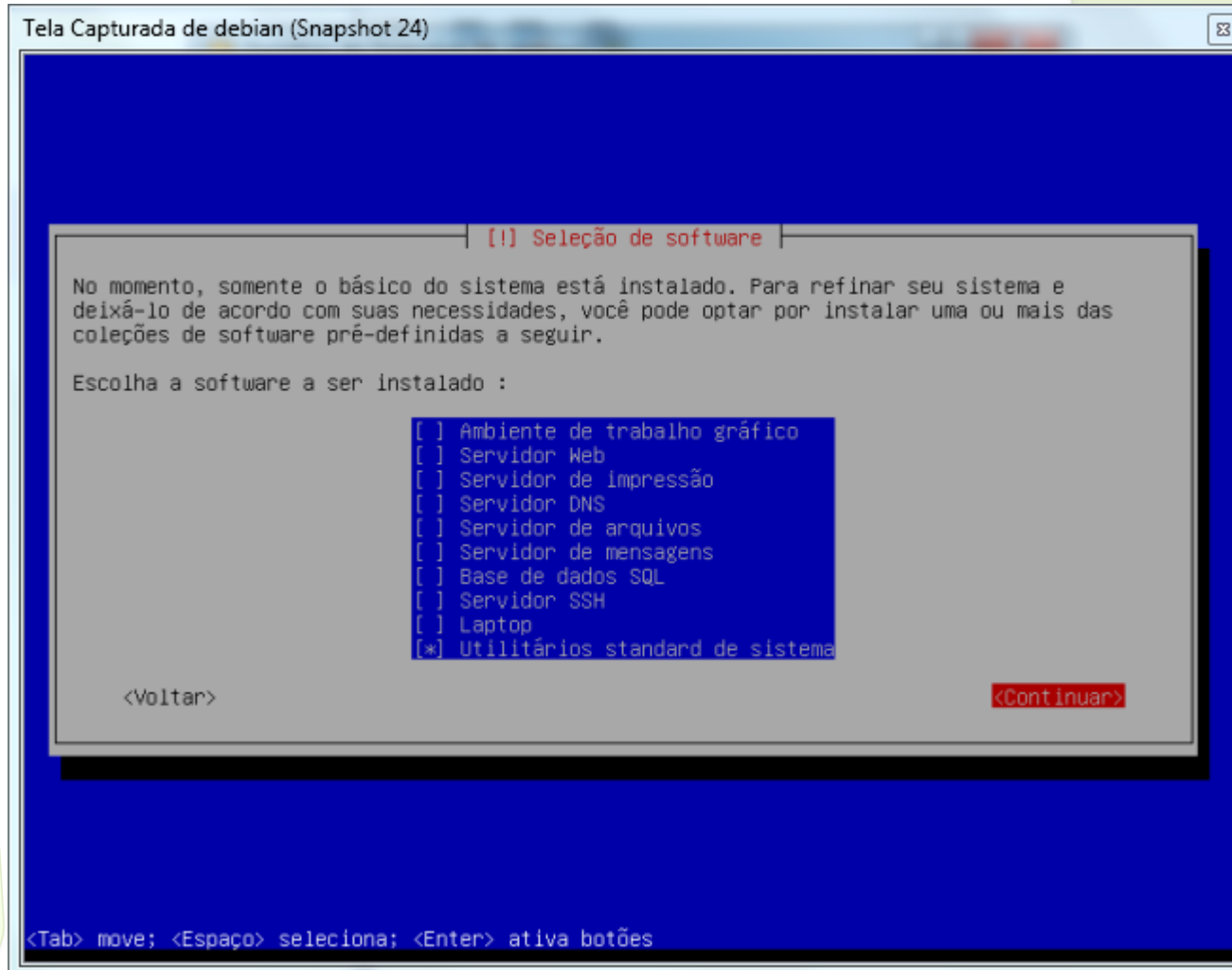
Instalando o Debian



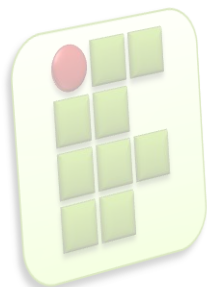
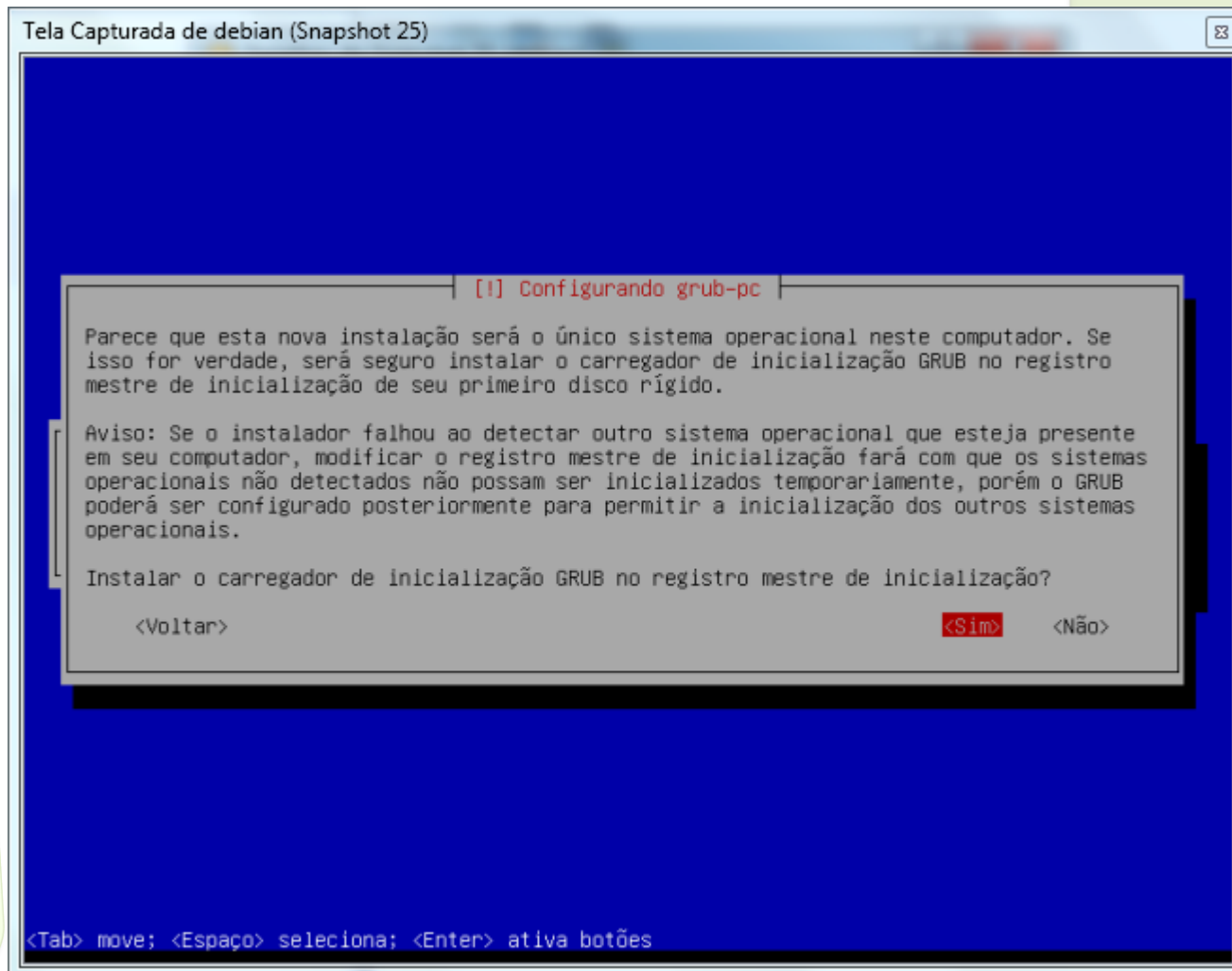
Instalando o Debian



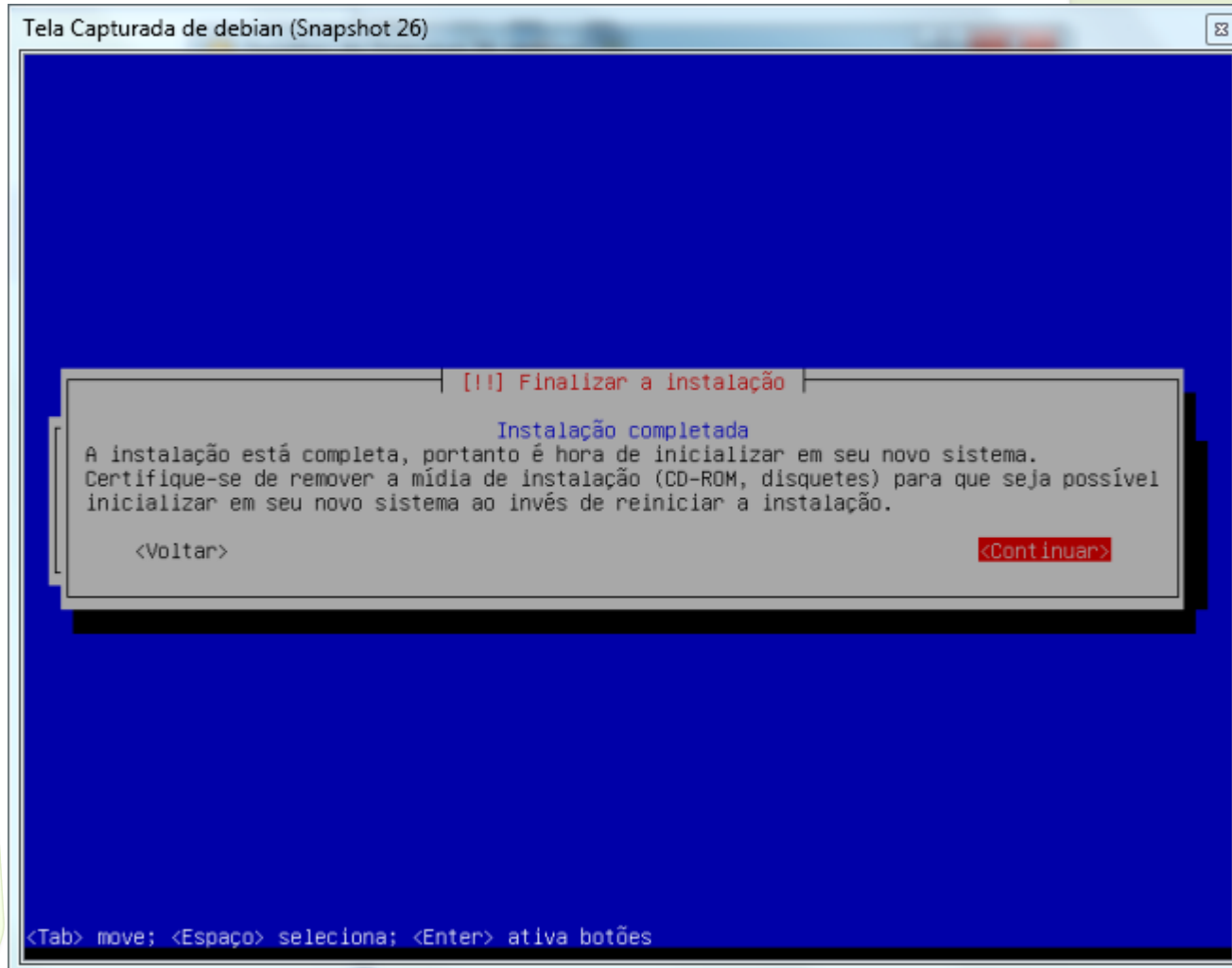
Instalando o Debian



Instalando o Debian



Instalando o Debian



GNU GRUB

Tela Capturada de debian (Snapshot 27)

```
GNU GRUB  version 1.98+20100804-14
```

```
Debian GNU/Linux, with Linux 2.6.32-5-686
Debian GNU/Linux, with Linux 2.6.32-5-686 (recovery mode)
```

Use the ↑ and ↓ keys to select which entry is highlighted.
Press enter to boot the selected OS, 'e' to edit the commands
before booting or 'c' for a command-line.

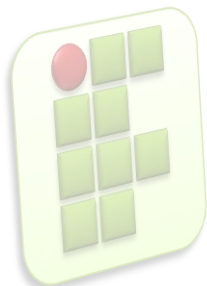
The highlighted entry will be executed automatically in 3s.



Iniciando o Debian

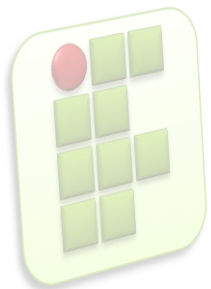
```
Tela Capturada de debian (Snapshot 28)
Cleaning up temporary files...
Setting kernel variables ...done.
Configuring network interfaces...done.
Starting portmap daemon....
Starting NFS common utilities: statd.
Cleaning up temporary files....
Setting console screen modes.
Skipping font and keymap setup (handled by console-setup).
Setting up console font and keymap...done.
INIT: Entering runlevel: 2
Using makefile-style concurrent boot in runlevel 2.
Starting NFS common utilities: statd.
Starting portmap daemon...Already running..
Starting enhanced syslogd: rsyslogd.
Starting VirtualBox AdditionsVBoxService: 3.2.10_OSE r66523 started. Verbose level = 0
.
Starting ACPI services....
Starting deferred execution scheduler: atd.
Starting periodic command scheduler: cron.
Starting MTA: exim4.

Debian GNU/Linux 6.0 debian tty1
debian login: _
```



Considerações Finais

- Importante conhecer os sistemas linux para poder fazer sua escolha quanto ao SOR que deseja utilizar;



Sistemas Operacionais de Redes

■ Bibliografia

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- MORIMOTO, Carlos E.. Linux, Redes e Servidores – Guia Prático. Sul Editores, 2006.
- BATTISTI, Júlio. Windows Server 2003 Curso Completo. Axcel, 2003.
- THOMPSON, Marco Aurélio. Windows Server 2003 - administração de redes. Érica, 2003.

