

Estudo de Caso VMWare

Sistemas Operacionais
Prof. MSc. Rodrigo D. Malara

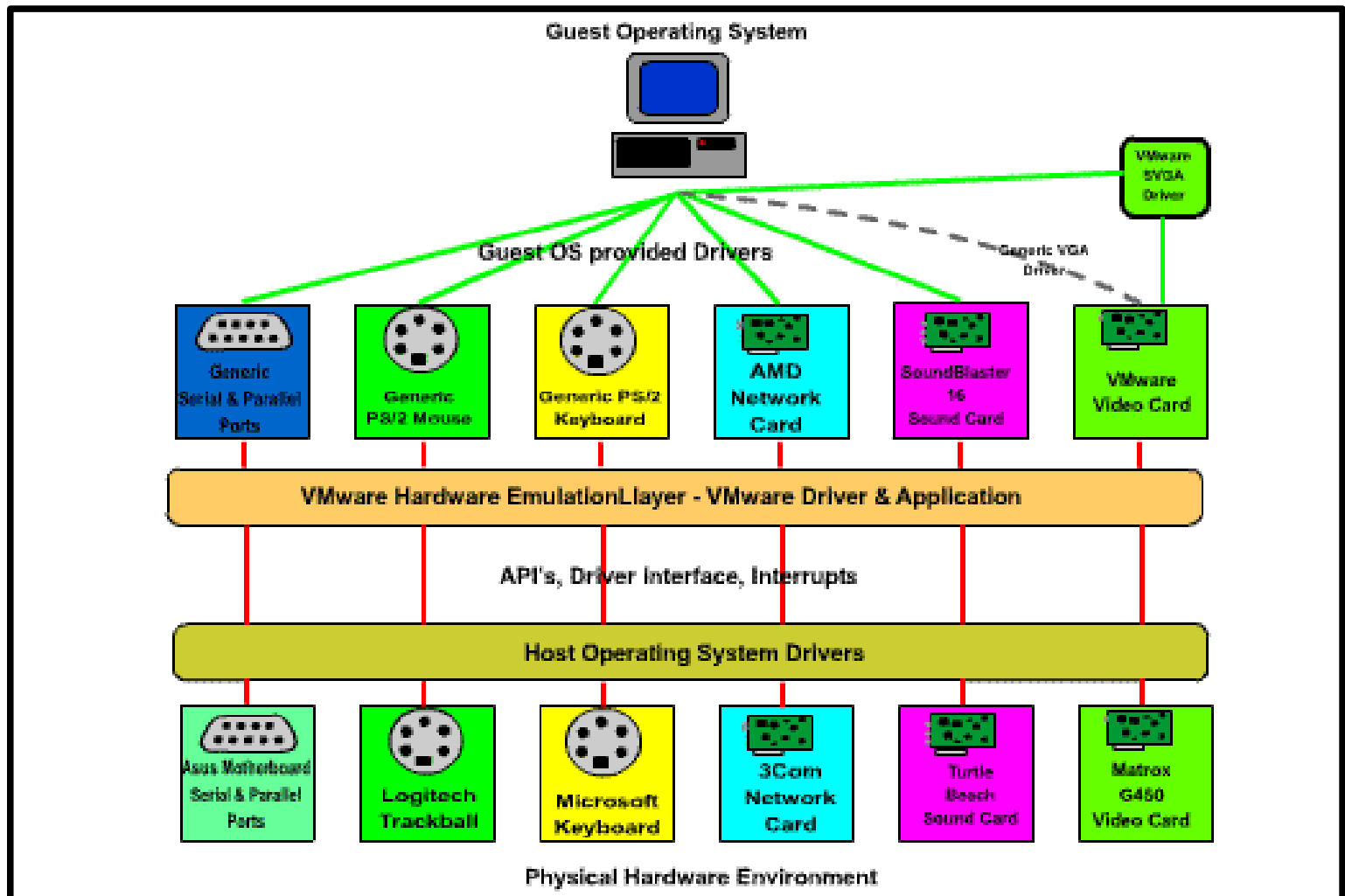
Virtualização – Estudo de Caso

- **VMware**

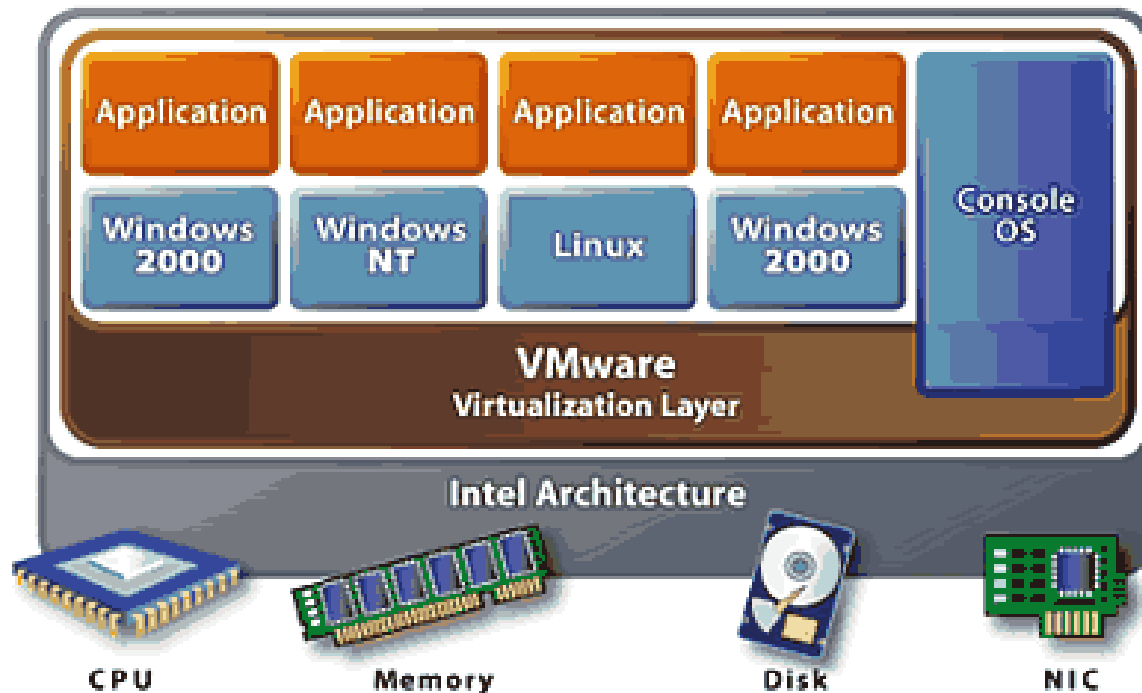
- O VMware oferece diferentes sistemas de máquinas virtuais com opções variadas:
 - Workstation
 - ESXi
 - vSphere
- Permite instalar praticamente qualquer sistema operacional para a plataforma x86

Hardware no VMWare

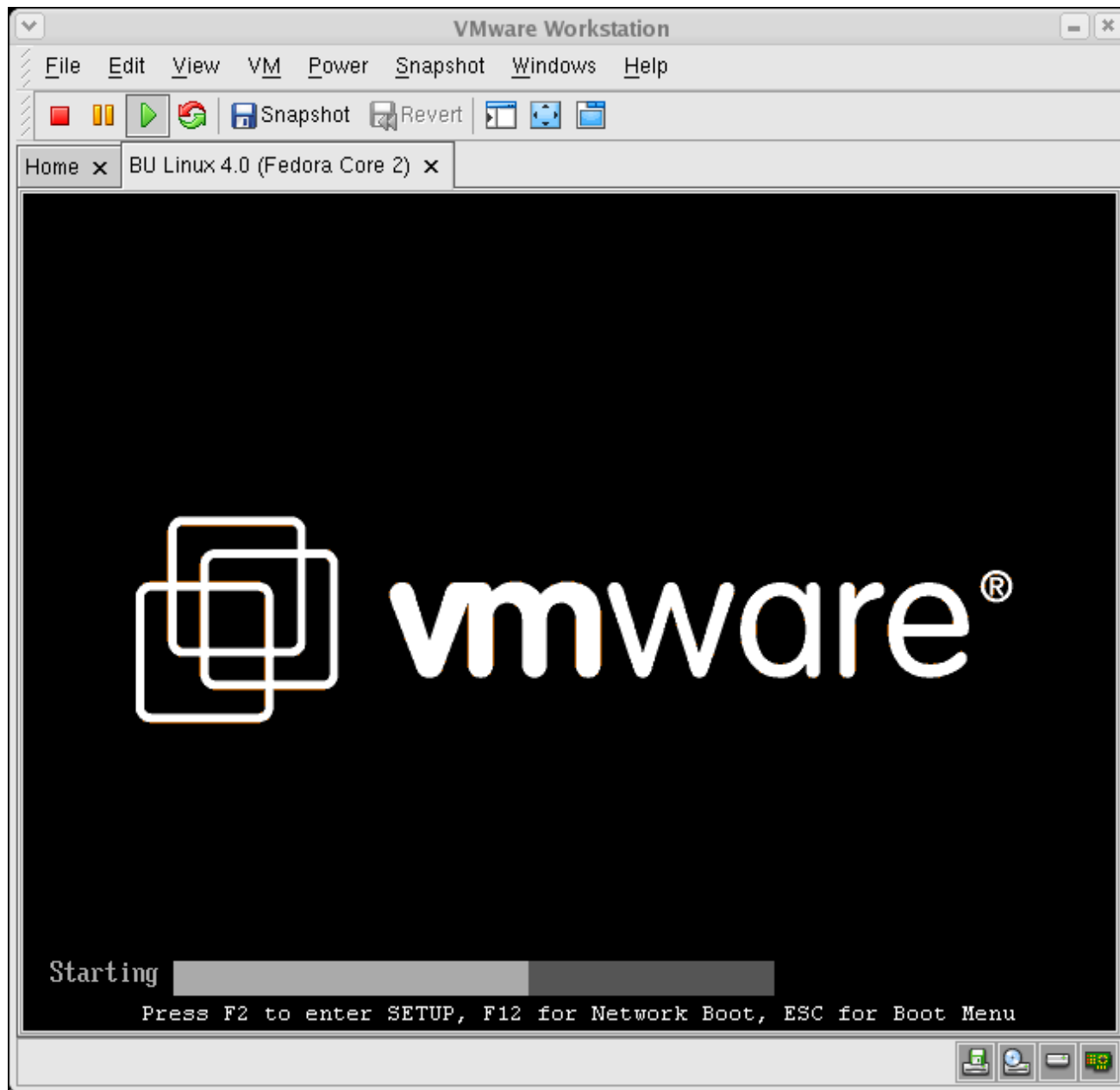
Suporte aos dispositivos mais comuns



Vmware Workstation

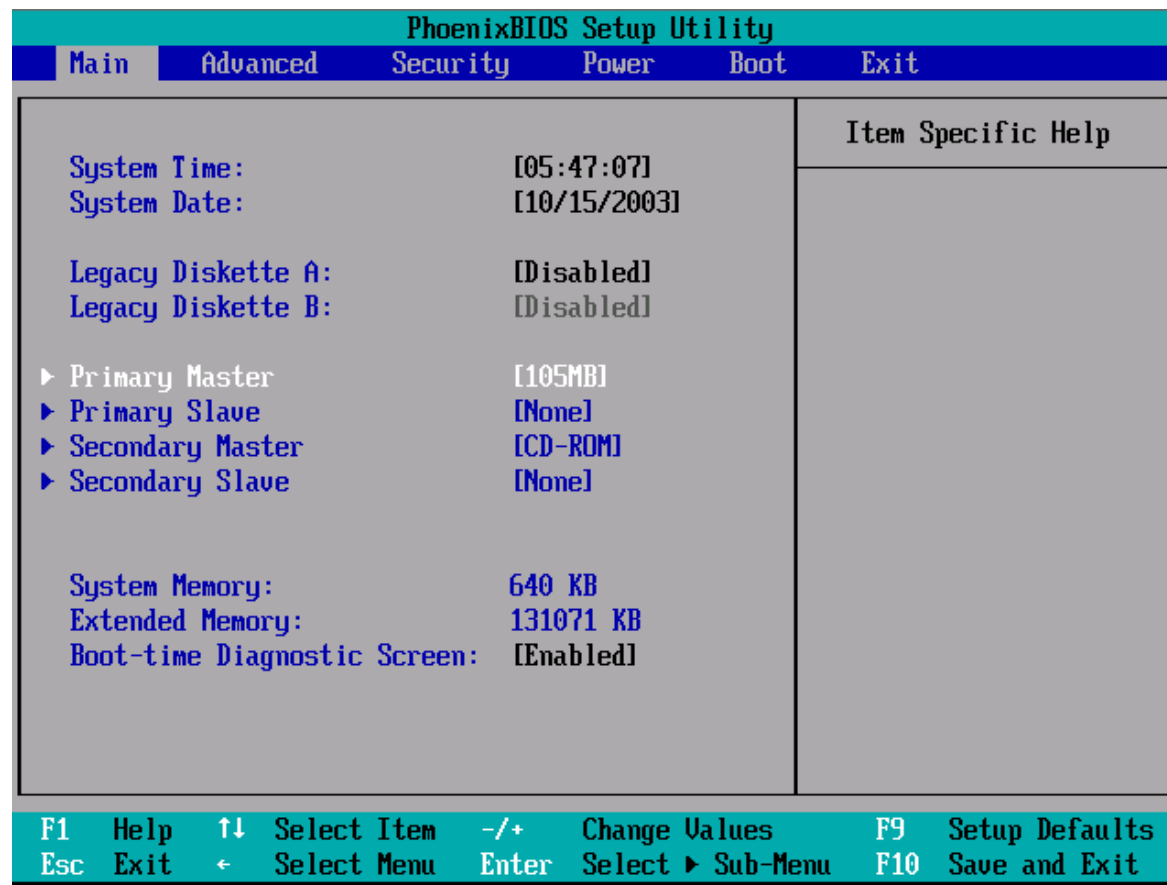


Vmware Workstation – Architecture - <http://www.vmware.com>



Vmware












Cada máquina virtual trabalha como um PC completo, com direito até a BIOS e configuração do Setup



Virtual Machine Settings

Hardware

Options

Device	Summary
 Memory	1024 MB
 Hard Disk (SCSI 0:0)	
 Hard Disk 2 (SCSI 1:1)	Independent-persi...
 Hard Disk 3 (SCSI 1:2)	Independent-persi...
 Hard Disk 4 (SCSI 1:3)	Independent-persi...
 Hard Disk 5 (SCSI 1:4)	Independent-persi...
 Hard Disk 6 (SCSI 1:5)	Independent-persi...
 Hard Disk 7 (SCSI 1:6)	Independent-persi...
 CD-ROM (IDE 1:0)	Auto detect
 Ethernet	NAT
 Ethernet 2	Custom

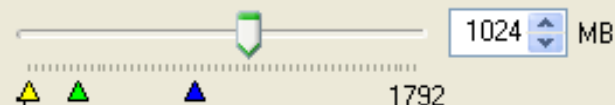
Add...

Remove

Memory

Specify the amount of memory allocated to this virtual machine. The memory size must be a multiple of 4 MB.

Memory for this virtual machine:



▲ Guest OS recommended minimum: 32MB

▲ Recommended memory: 256MB

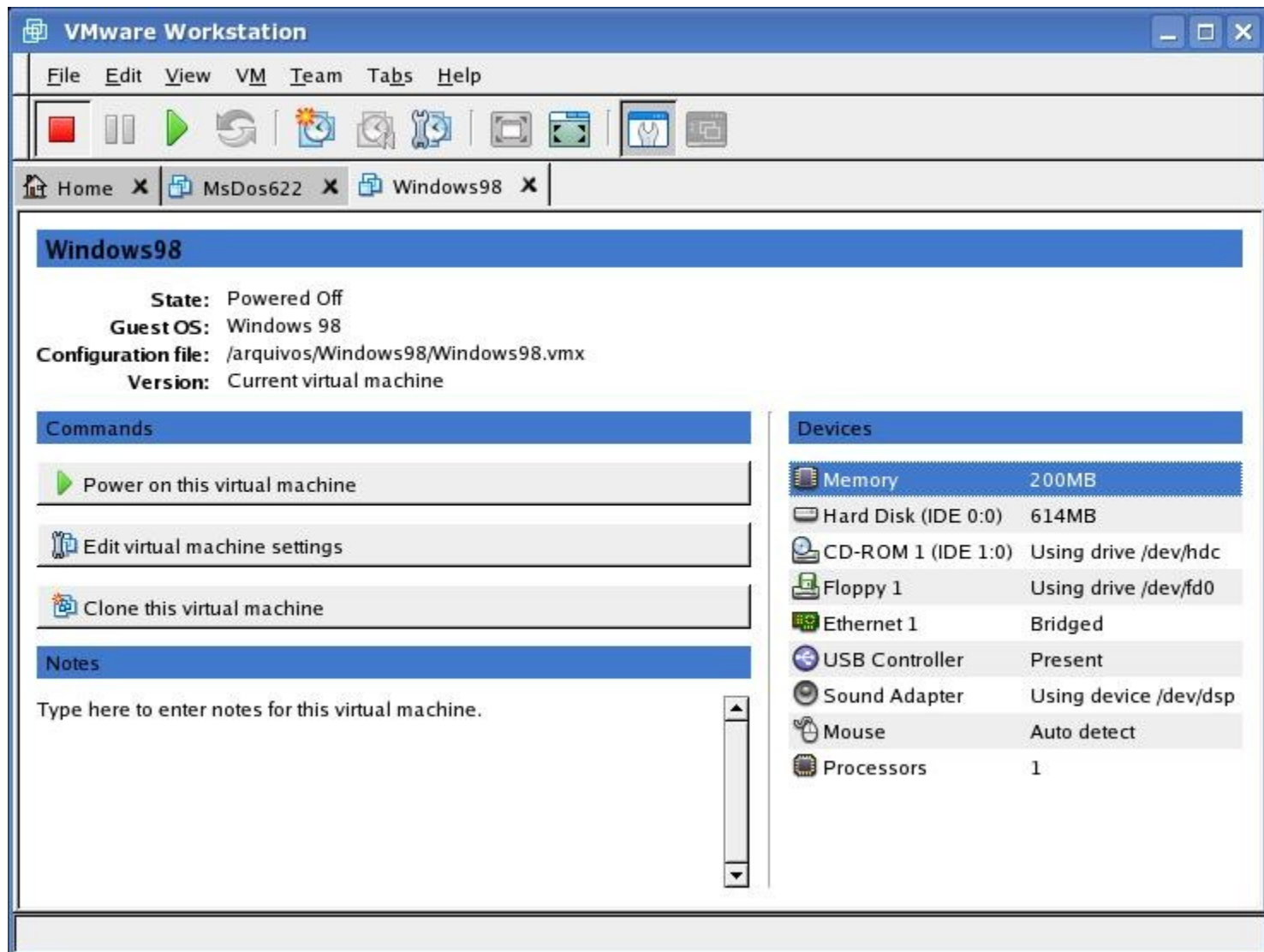
▲ Maximum recommended memory: 796MB

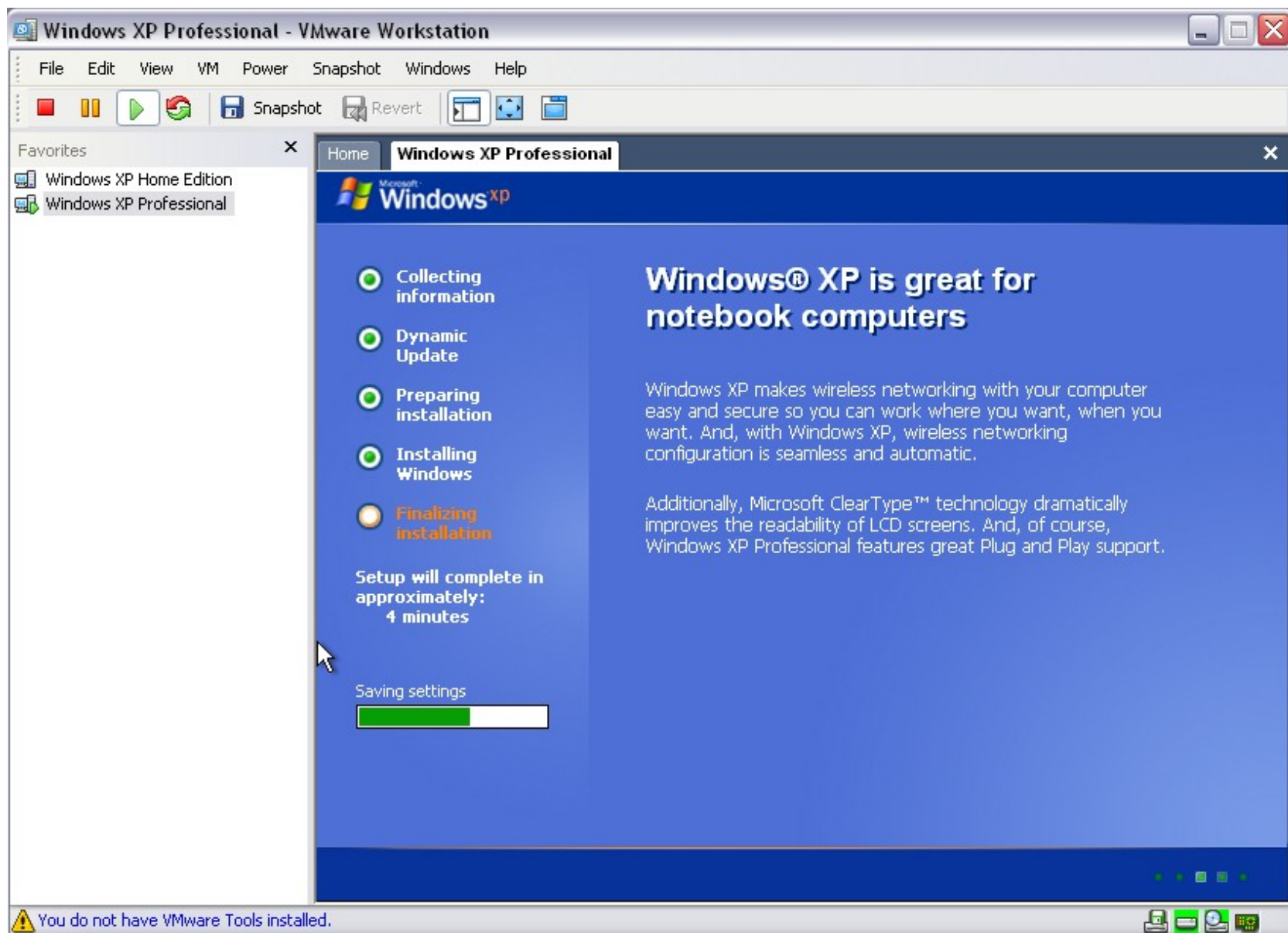
(Memory swapping may occur beyond this size)

OK

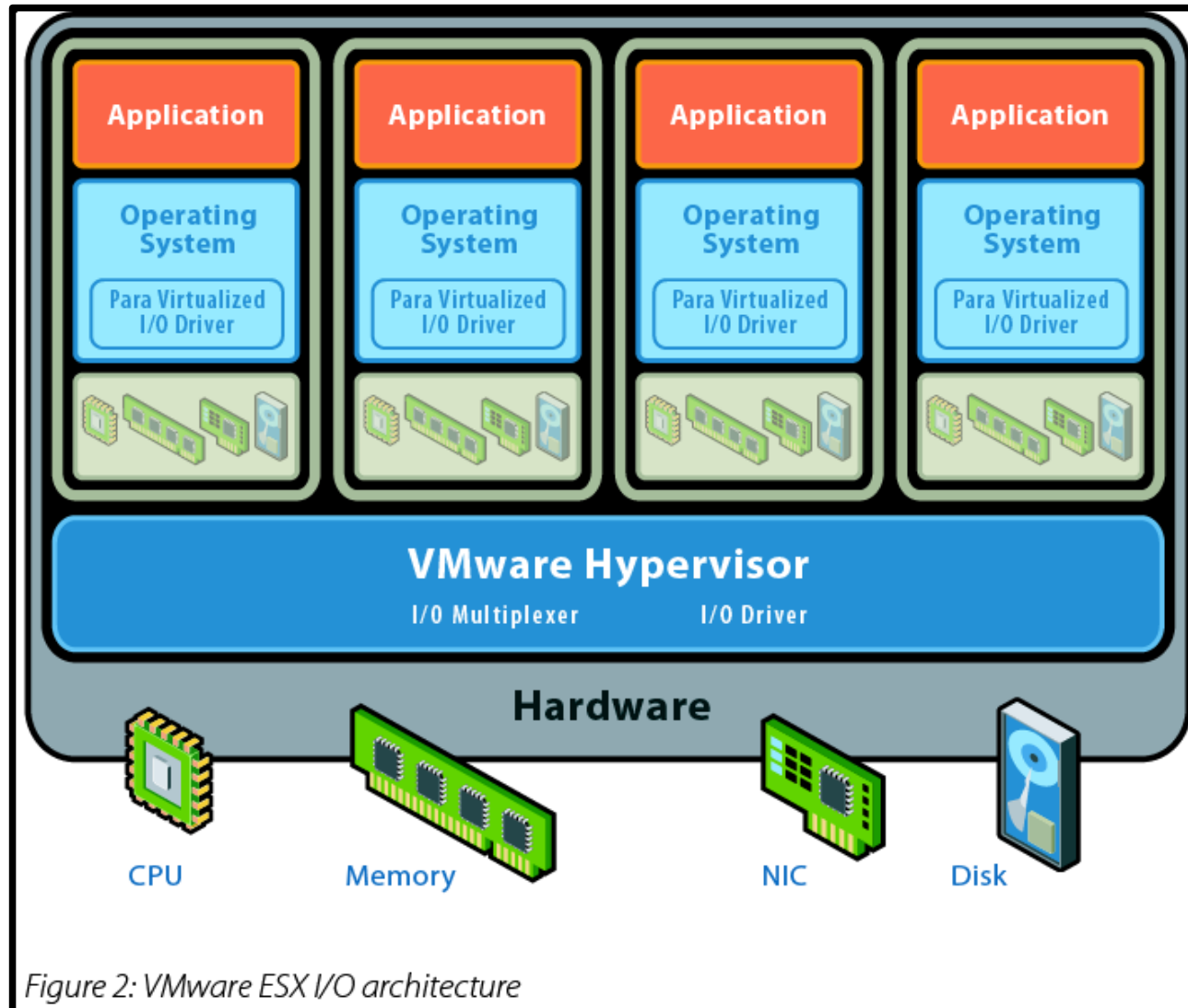
Cancel

Help



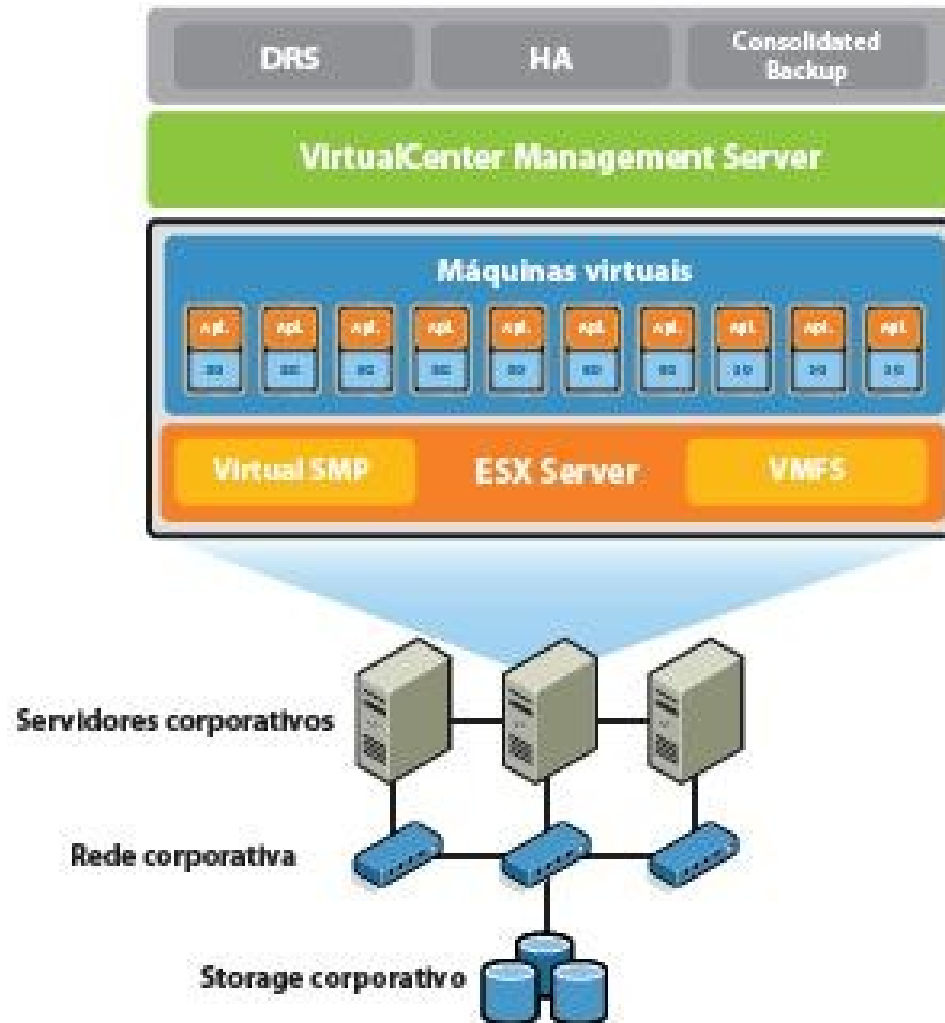


Vmware ESXi – não precisa de SO pré-instalado



VMWare

VMware Infrastructure



VMware – pontos fortes

Fácil instalação e configuração

Documentação

Funciona em Linux e Windows

Aceita vários SO (Linux, Windows , Dos, Mac OS)

VMware – pontos fracos

Não utiliza os mesmos drivers dos dispositivos

Baixo desempenho gráfico

Custo elevado

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