

UFRJ/EC0/Sistemas de Informacao - 2025

Preparacao para instalar o VirtualBox e o Linux no seu computador

BUSQUE AS INFORMACOES QUE PUDER SOBRE A SUA MAQUINA DE TRABALHO:

SISTEMA OPERACIONAL:

Que sistema operacional nativo (ja instalado no computador)?

(Windows 7,8,8.1,10,11? OSX (Mac), Linux (versao, distribuicao) ?)

64bits?

32 bits?

COMO E ONDE OBTER ESSAS INFORMACOES:

<http://www.wikihow.com/Check-Your-Computer%27s-System-Information>

Windows:

<http://www.windowcentral.com/how-check-your-computer-full-specifications-windows-10>

iniciar > executar > [digite] msinfo32

start > execute > [digite] msinfo32

Mac:

<https://support.apple.com/en-us/HT203001>

https://en.wikipedia.org/wiki/List_of_Macintosh_models_grouped_by_CPU_type

Linux:

<http://www.tecmint.com/commands-to-collect-system-and-hardware-information-in-linux/>

<https://www.networkworld.com/search?q=monitoring%20linux%20system#gsc.tab=0&gsc.q=monitoring%20linux%20system&gsc.page=1>

(no terminal os comandos abaixo dao informacoes uteis sobre o seu sistema linux)

uname -a

top

htop

lsmod

lspci

lsb_release -a

Se nao estiver instalado algum dos utilitarios acima, instale.

Por exemplo, se o htop nao estiver instalado em sua distribuicao Linux tipo Debian (Debian, Ubuntu, Lubuntu, ...), digite no terminal:

sudo apt-get install htop

INSPECIONAR O COMPUTADOR

https://en.wikipedia.org/wiki/List_of_laptop_brands_and_manufacturers

Exemplo: SONY VAIO T4300

PLACA-MAE (mainboard)

<http://odp.org/Computers/Hardware/Components/Motherboards>

PROCESSADORES:

<https://ark.intel.com/#@Processors>

<http://www.amd.com/en-gb/products/processors/>

QUE BIOS (Basic Input Output System)?

<https://www.wimmbios.com/biosupdates.jsp>

<https://www.wimmbios.com/faq/determinebiosupdate.jsp>

ANO, MARCA, MODELO, PROCESSADOR, MEMORIA RAM

Sistema de 32 bits?

Sistema de 64 bits? (com ou sem acesso a Intel -VT-x, ou AMD-V, virtualization technology?)

https://en.wikipedia.org/wiki/X86_virtualization

<https://www.sysprobs.com/disable-enable-virtualization-technology-bios>

<https://ostecnix.com/how-to-enable-nested-virtualization-in-virtualbox/>

VIRTUALBOX E INSTALACAO DO LINUX NO VIRTUALBOX:

https://pater.web.cip.com.br/SI2025/VBox_Linux_InstalacaoInicial_parte01.txt

https://pater.web.cip.com.br/SI2025/VBox_Linux_InstalacaoInicial_parte02.txt

MAIS SOBRE VIRTUALIZACAO, MAQUINAS VIRTUAIS E CONTAINERS:

<https://download.virtualbox.org/virtualbox/UserManual.pdf>

<https://www.virtualbox.org/manual/UserManual.html>

https://www.virtualbox.org/wiki/End-user_documentation

<https://linuxcontainers.org/>

<https://xenproject.org/>

Siglas:

MD5 (Message-Digest algorithm 5)

SHA-1 (Secure Hash Algorithm 1)

SHA-2 (Secure Hash Algorithm 2): SHA-224, SHA-256, SHA-384, SHA-512, SHA-512/224, SHA-512/256

iso (formato de arquivo que contem a imagem-espelho integral do conteudo de um cd/dvd)