

INE 5223

Sistemas Operacionais

**Noções sobre sistemas operacionais,
funcionamento, recursos básicos**

Windows

Baseado no material de André Wüst Zibetti

Objetivos

- Obter noções básicas sobre o funcionamento dos sistemas operacionais
- Compreender os fundamentos dos sistemas operacionais
- Apresentar diferenciações entre alguns sistemas operacionais atualmente utilizados (Windows, Linux, Mac OS, ...)

Sumário

- Requisitos e versões;
- Sistema e Segurança;
- Rede e Internet;
- Hardware e Som;
- Programas;
- Usuários e contas;
- Aparência e personalização.



System and Security

Review your computer's status

Back up your computer

Find and fix problems



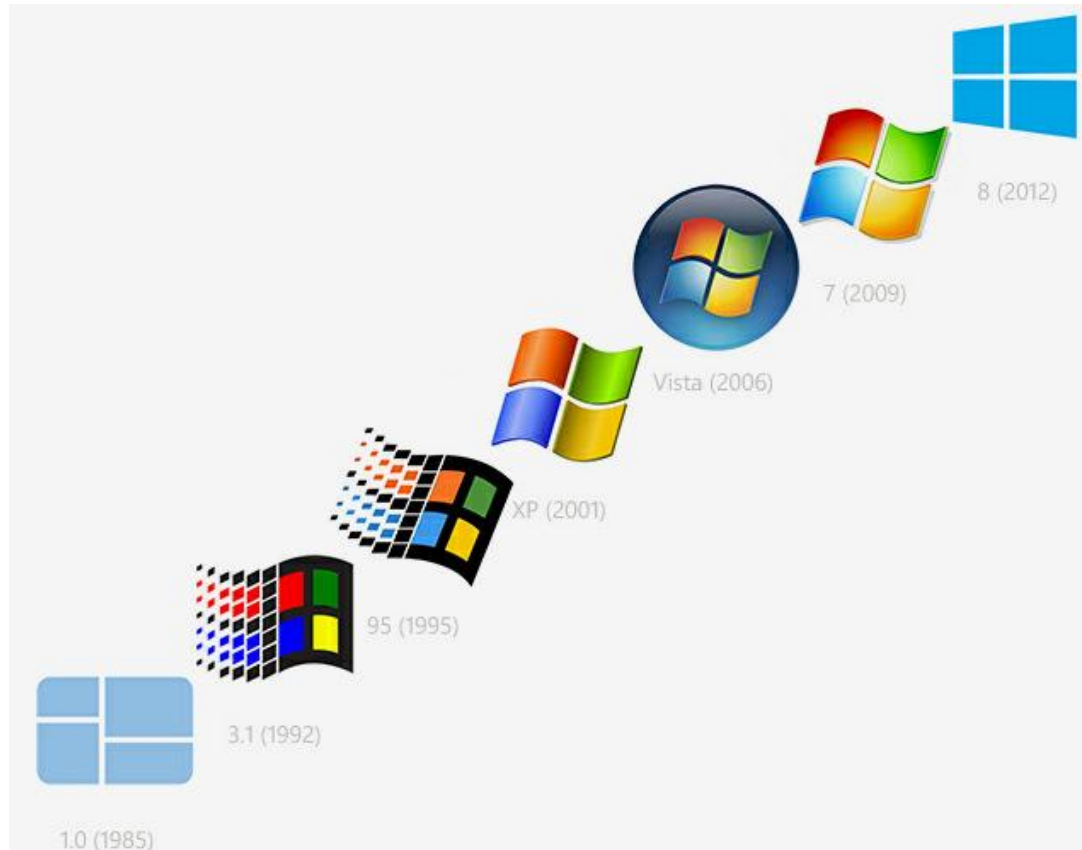
Network and Internet

View network status and tasks

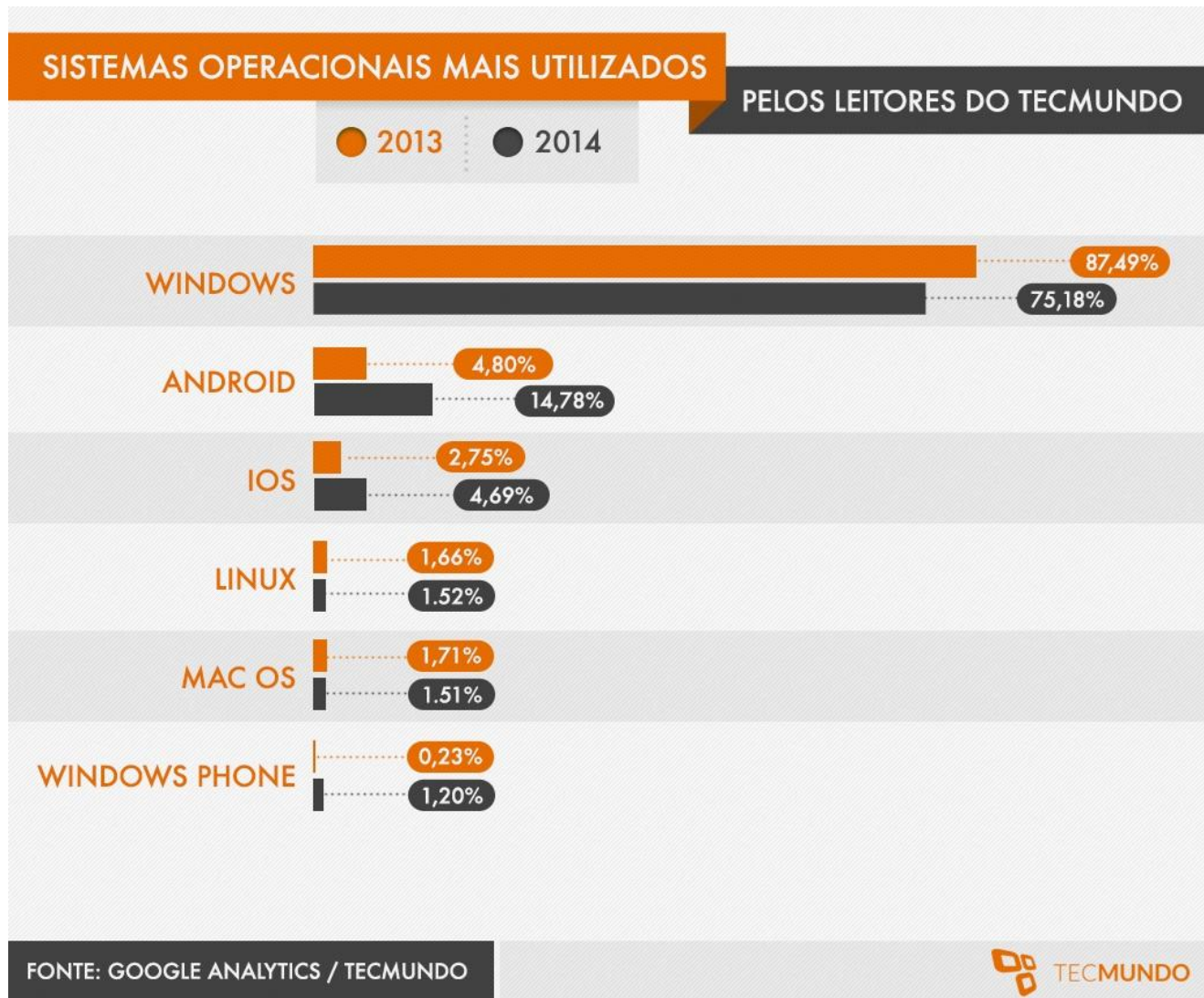
Choose homegroup and sharing options

Windows

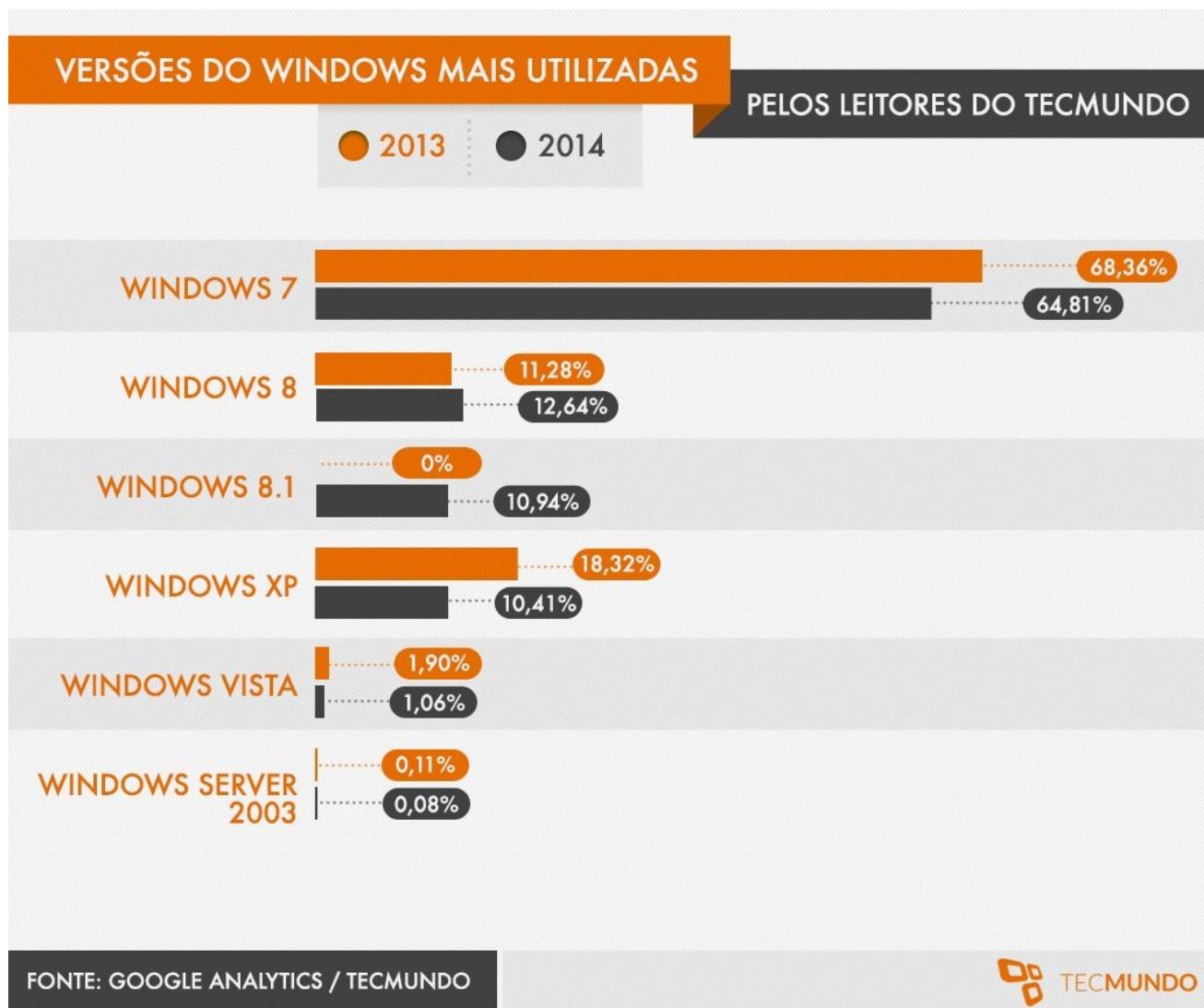
- Popular sistema operacional criado pela Microsoft (1981), fundada por Bill Gates e Paul Allen



Uso do Windows



Uso de versões do Windows



Windows

- Windows 8 teve a interface totalmente renovada;
- Melhoramento no tempo de inicialização;
- Novos recursos;
 - Windows To Go – possível executar o w8 a partir de um pen drive.
 - Melhor suporte a *touch*
 - ...



Windows 7 - requisitos

- Requisitos do sistema:
 - Processador com 1 gigahertz (GHz) ou superior, 32-bits (x86) ou 64-bits (x64)
 - 1 gigabyte (GB) de memória RAM (32-bits) ou 2 GB de memória RAM (64-bits)
 - 16 GB de espaço disponível em disco (32bits) ou 20 GB (64-bits)
 - Placa de vídeo compatível com DirectX 9 e com os drivers WDDM 1.0 ou superior

Windows 7 - versões

32 bits x 64 bits

- “Computador de 32 ou de 64 bits” diz respeito à arquitetura tanto do processador quanto do sistema operacional empregados em uma determinada máquina
- Processadores de 32 bits têm a capacidade de processar “palavras” (sequência de bits) de até 32 bits, enquanto os de 64 bits podem trabalhar o dobro de informações.
- Em termos de sistemas operacionais, uma característica importante consiste no fato de as versões de 64 bits serem capazes de reconhecer uma quantidade maior de memória RAM do que as de 32 bits.
 - Enquanto o Windows 7 Ultimate de 32 bits suporta o máximo de 4 GB de RAM, o outro reconhece memórias de até 192 GB.

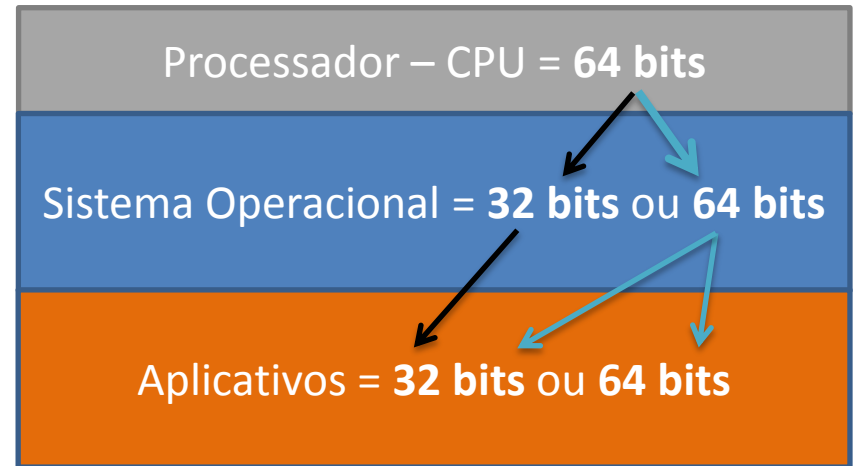
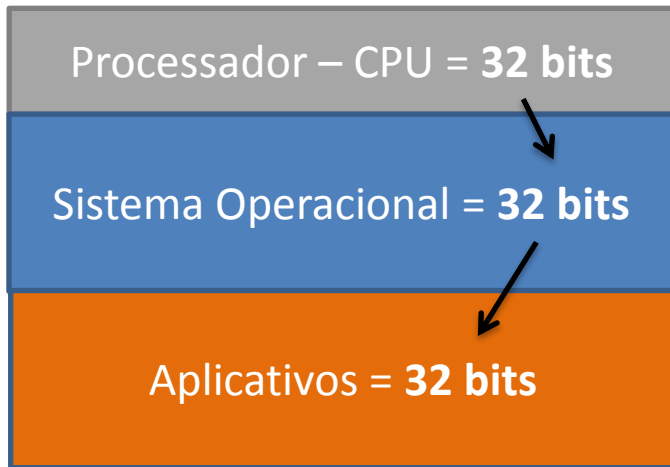
Windows 7 - versões

32 bits x 64 bits

- 32 bits: apropriado a usuários com perfil mais voltado à execução de tarefas básicas, como a utilização de processadores de texto, planilha de cálculos e navegadores da Internet
- 64 bits: recomendado a usuário que utilizam programas que exigem um maior poder de processamento, como, por exemplo, o Photoshop, AutoCAD, editores de vídeos, entre outros
 - Tais softwares exigem que o hardware trabalhe com operações que envolvem números maiores e cálculos mais complexos
 - Em um sistema de 32 bits (os quais lidam com “palavras” menores), a CPU teria que dividir as suas operações em diversas partes, para conseguir processar as informações e instruções destes programas.

Windows 7 - versões

32 bits x 64 bits




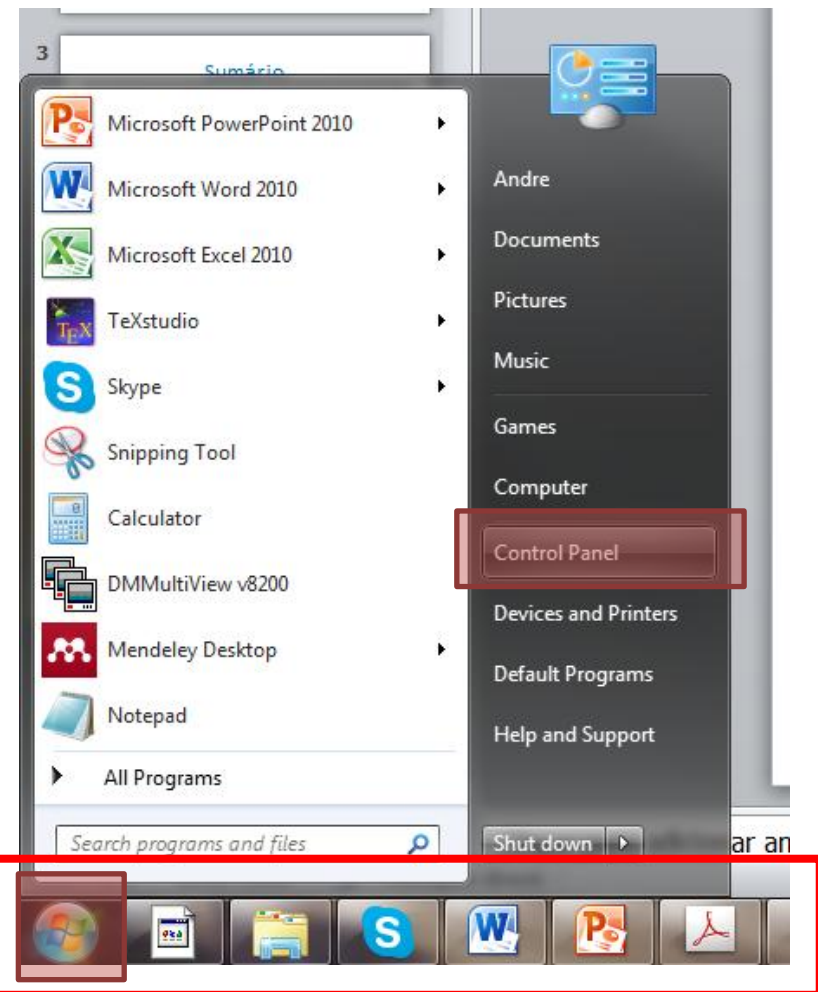
Windows 7 - versões

32 bits x 64 bits

- Para que um dispositivo de hardware possa ser reconhecido por uma versão do Windows 7 Ultimate de 64 bits, é fundamental a instalação de drivers desenvolvidos especificamente para tal versão.
- Segundo orientação da Microsoft, adotar drivers de 32 bits em sistemas de 64 bits - e vice-versa - poderá acarretar no mau funcionamento do dispositivo e até mesmo em erros.
 - Portanto, se usuário quiser que sua impressora ou webcam funcione corretamente, instale os drivers adequados.
- Quando o assunto diz respeito a programas, a princípio, os desenvolvidos para uma arquitetura de 32 bits poderão ser executados normalmente em um sistema operacional de 64 bits (a menos que não utilizem *drivers*).

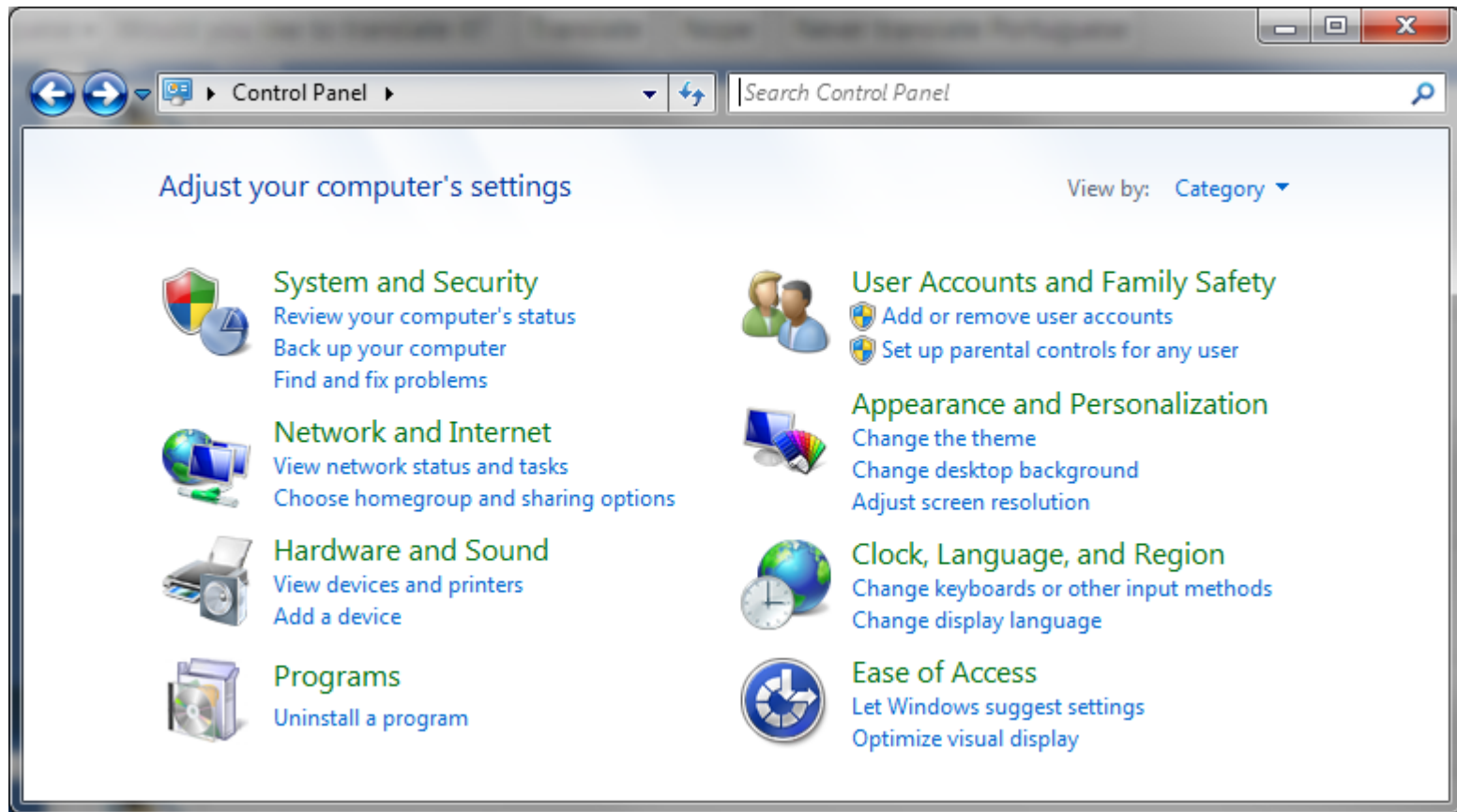
Acesso ao sistema

O acesso ao sistema de controle do Windows 7 é realizado pelo botão iniciar , localizado na **Barra de Tarefas**, seguido de Painel de Controle



Barra de Tarefas

Painel de Controle





Sistema e Segurança



Action Center

[Review your computer's status and resolve issues](#) | [Change User Account Control settings](#) |
[Troubleshoot common computer problems](#) | [Restore your computer to an earlier time](#)



Windows Firewall

[Check firewall status](#) | [Allow a program through Windows Firewall](#)



System

[View amount of RAM and processor speed](#) | [Check the Windows Experience Index](#) |
[Allow remote access](#) | [See the name of this computer](#) | [Device Manager](#)



Windows Update

[Turn automatic updating on or off](#) | [Check for updates](#) | [View installed updates](#)



Power Options

[Require a password when the computer wakes](#) | [Change what the power buttons do](#) |
[Change when the computer sleeps](#)



Backup and Restore

[Back up your computer](#) | [Restore files from backup](#)



BitLocker Drive Encryption

[Protect your computer by encrypting data on your disk](#) | [Manage BitLocker](#)



Administrative Tools

[Free up disk space](#) | [Defragment your hard drive](#) | [Create and format hard disk partitions](#) |
[View event logs](#) | [Schedule tasks](#)



Flash Player

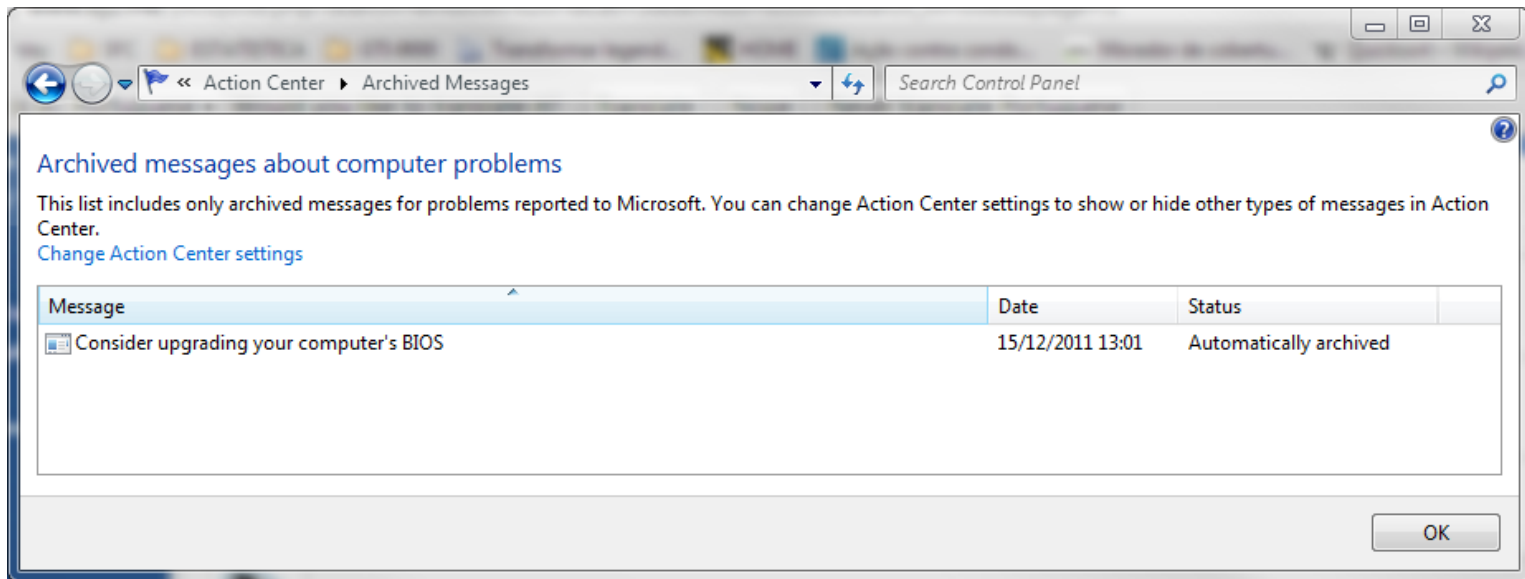


Sistema e Segurança



Action Center

[Review your computer's status and resolve issues](#) | [Change User Account Control settings](#) | [Troubleshoot common computer problems](#) | [Restore your computer to an earlier time](#)



Archived messages about computer problems

This list includes only archived messages for problems reported to Microsoft. You can change Action Center settings to show or hide other types of messages in Action Center.
[Change Action Center settings](#)

Message	Date	Status
Consider upgrading your computer's BIOS	15/12/2011 13:01	Automatically archived

OK



Sistema e Segurança



Windows Firewall

[Check firewall status](#) | [Allow a program through Windows Firewall](#)

The screenshot shows the Windows Firewall control panel window. The title bar reads "System and Security > Windows Firewall". The breadcrumb navigation shows "System and Security > Windows Firewall". The search bar contains "Search Control Panel".

Control Panel Home

- Allow a program or feature through Windows Firewall
- Change notification settings
- Turn Windows Firewall on or off
- Restore defaults
- Advanced settings
- Troubleshoot my network

Help protect your computer with Windows Firewall

Windows Firewall can help prevent hackers or malicious software from gaining access to your computer through the Internet or a network.

[How does a firewall help protect my computer?](#)

[What are network locations?](#)

Home or work (private) networks Connected

Networks at home or work where you know and trust the people and devices on the network

Windows Firewall state:	On
Incoming connections:	Block all connections to programs that are not on the list of allowed programs
Active home or work (private) networks:	Network 2
Notification state:	Notify me when Windows Firewall blocks a new program

Public networks Not Connected

Networks in public places such as airports or coffee shops

Windows Firewall state:	On
Incoming connections:	Block all connections to programs that are not on the list of allowed programs
Active public networks:	None
Notification state:	Notify me when Windows Firewall blocks a new program

See also

- Action Center
- Network and Sharing Center



Sistema e Segurança



Windows Firewall

[Check firewall status](#) | [Allow a program through Windows Firewall](#)

Allow programs to communicate through Windows Firewall
To add, change, or remove allowed programs and ports, click Change settings.

What are the risks of allowing a program to communicate? [Change settings](#)

Allowed programs and features:

Name	Home/Work (Private)	Public
<input checked="" type="checkbox"/> iTunes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Kingdoms of Amalur: Reckoning - Demo	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> LabSolutions License Manager	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> LabSolutions Login Manager	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> LabSolutions Process Controller	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Media Center Extenders	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Microsoft Office Outlook	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Microsoft OneNote	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Microsoft SharePoint Workspace	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> MUZ AOD APP player	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Netlogon Service	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Network Discovery	<input checked="" type="checkbox"/>	<input type="checkbox"/>

[Details...](#) [Remove](#)

[Allow another program...](#)

[OK](#) [Cancel](#)



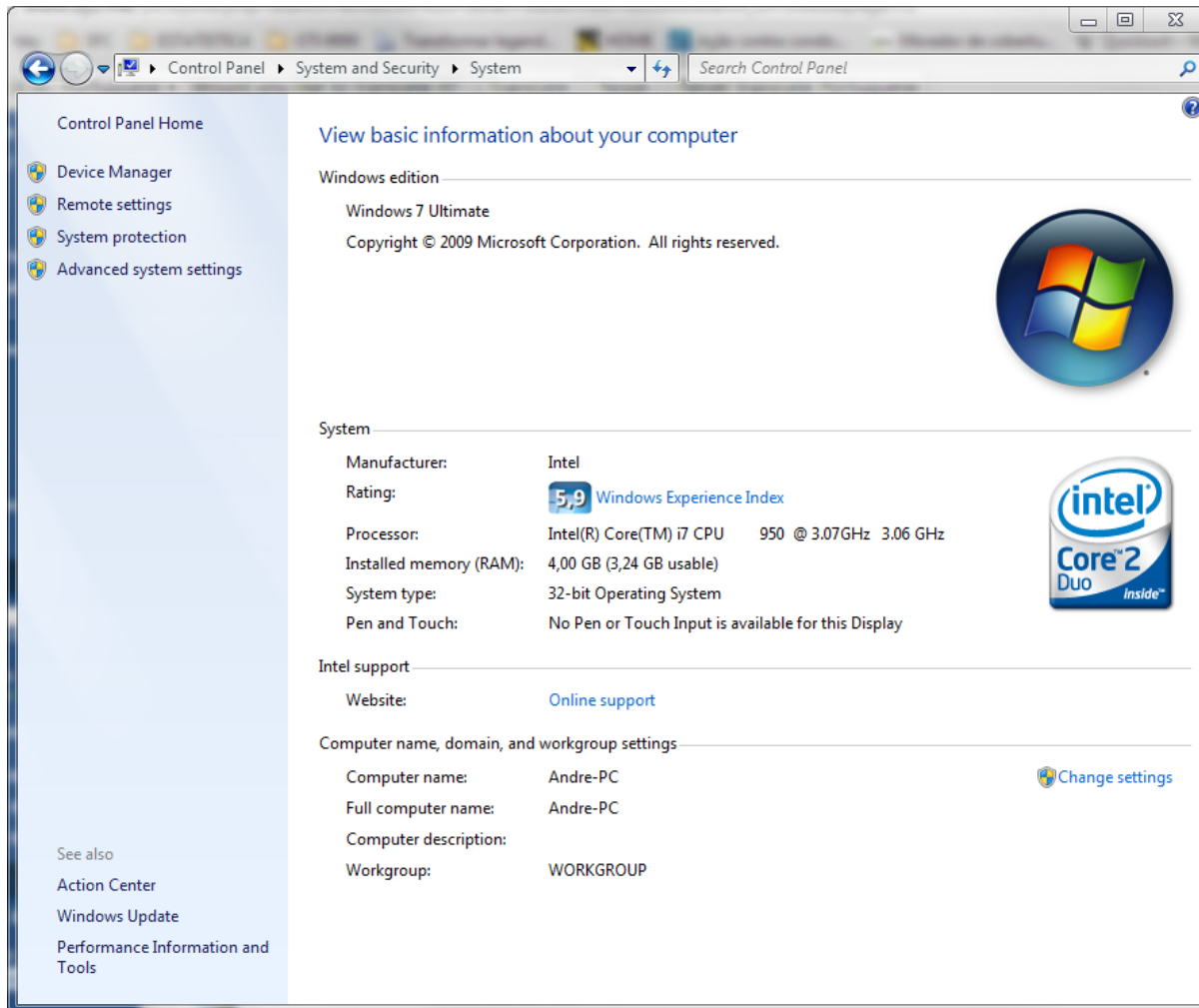
Sistema e Segurança



System

[View amount of RAM and processor speed](#) | [Check the Windows Experience Index](#) |

[Allow remote access](#) | [See the name of this computer](#) | [Device Manager](#)



The screenshot shows the Windows Control Panel window for the 'System' page. The breadcrumb trail is 'Control Panel > System and Security > System'. The page title is 'View basic information about your computer'. The main content area is divided into several sections: 'Windows edition' (Windows 7 Ultimate), 'System' (Manufacturer: Intel, Rating: 5.9 Windows Experience Index, Processor: Intel(R) Core(TM) i7 CPU 950 @ 3.07GHz 3.06 GHz, Installed memory (RAM): 4,00 GB (3,24 GB usable), System type: 32-bit Operating System, Pen and Touch: No Pen or Touch Input is available for this Display), 'Intel support' (Website: Online support), and 'Computer name, domain, and workgroup settings' (Computer name: Andre-PC, Full computer name: Andre-PC, Computer description: , Workgroup: WORKGROUP). A 'Change settings' link is visible next to the computer name. On the left side, there is a navigation pane with 'Control Panel Home' and links to 'Device Manager', 'Remote settings', 'System protection', and 'Advanced system settings'. At the bottom left, there is a 'See also' section with links to 'Action Center', 'Windows Update', and 'Performance Information and Tools'. The Windows logo is displayed in a large circular icon on the right side of the page.

Control Panel Home

- Device Manager
- Remote settings
- System protection
- Advanced system settings

View basic information about your computer

Windows edition

Windows 7 Ultimate

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System

Manufacturer: Intel

Rating: **5.9** [Windows Experience Index](#)

Processor: Intel(R) Core(TM) i7 CPU 950 @ 3.07GHz 3.06 GHz

Installed memory (RAM): 4,00 GB (3,24 GB usable)

System type: 32-bit Operating System

Pen and Touch: No Pen or Touch Input is available for this Display

Intel support

Website: [Online support](#)

Computer name, domain, and workgroup settings

Computer name: Andre-PC [Change settings](#)

Full computer name: Andre-PC

Computer description:

Workgroup: WORKGROUP

See also

- Action Center
- Windows Update
- Performance Information and Tools



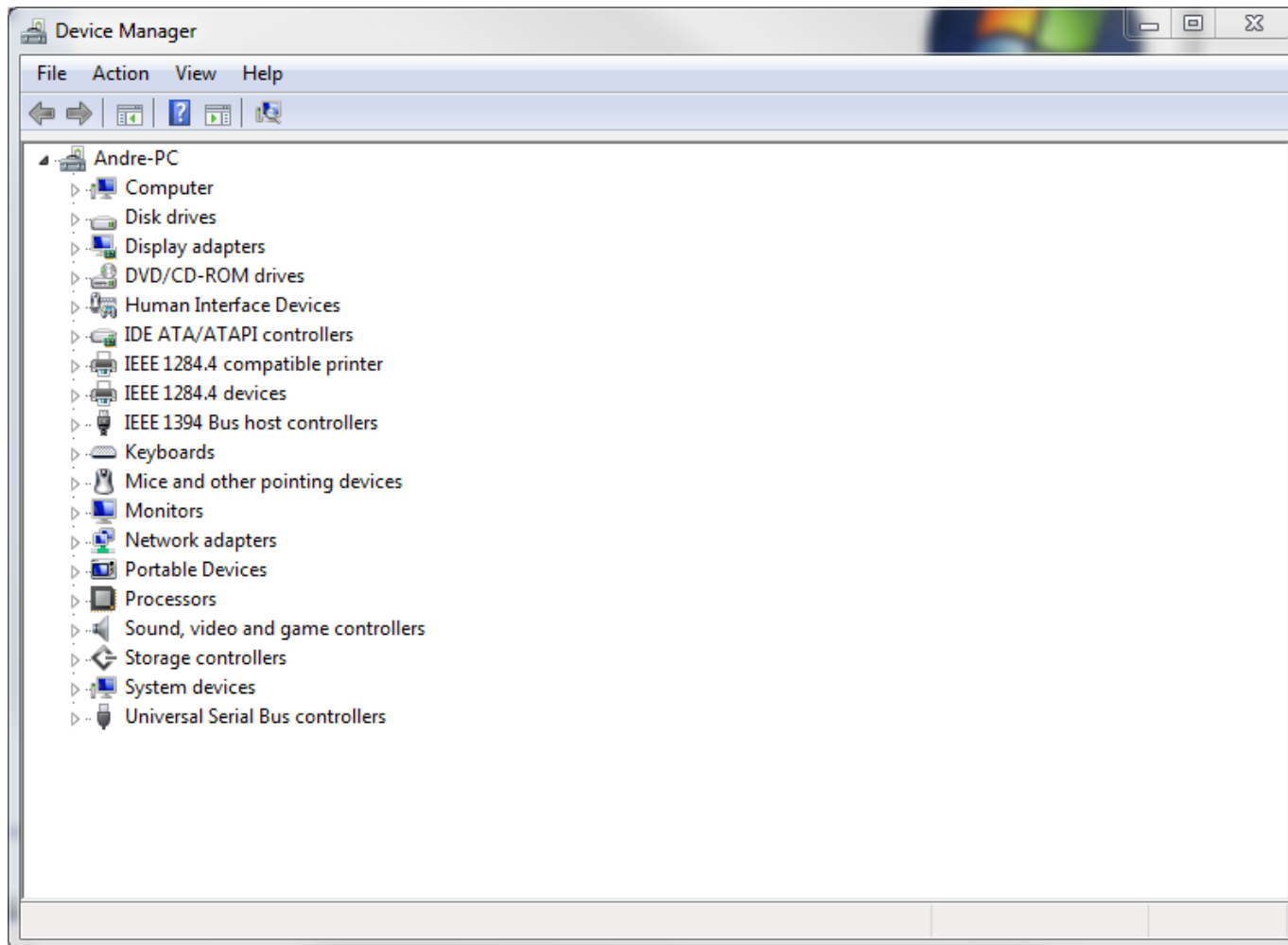
Sistema e Segurança



System

[View amount of RAM and processor speed](#) | [Check the Windows Experience Index](#) |

[Allow remote access](#) | [See the name of this computer](#) | [Device Manager](#)





Sistema e Segurança



System

[View amount of RAM and processor speed](#) | [Check the Windows Experience Index](#) |

[Allow remote access](#) | [See the name of this computer](#) | [Device Manager](#)

The screenshot shows the Windows Device Manager window for a computer named 'Andre-PC'. The window has a menu bar with 'File', 'Action', 'View', and 'Help'. Below the menu bar is a toolbar with navigation icons. The main area displays a tree view of hardware categories:

- Andre-PC
 - Computer
 - ACPI x86-based PC
 - Disk drives
 - Myson CS8819A2-113 0 USB Device
 - Myson CS8819A2-113 1 USB Device
 - Myson CS8819A2-113 2 USB Device
 - Myson CS8819A2-113 3 USB Device
 - SAMSUNG HD502HI ATA Device
 - SAMSUNG HD502HI ATA Device
 - Display adapters
 - NVIDIA GeForce 9800 GT
 - DVD/CD-ROM drives
 - HL-DT-ST DVDROM GH22NS50 ATA Device
 - HWXWLCB 5EZWHIZW SCSI CdRom Device
 - Human Interface Devices
 - IDE ATA/ATAPI controllers
 - IEEE 1284.4 compatible printer
 - IEEE 1284.4 devices
 - IEEE 1394 Bus host controllers
 - Keyboards
 - Mice and other pointing devices
 - Monitors
 - Network adapters
 - Intel(R) 82567LM-2 Gigabit Network Connection
 - Portable Devices
 - Processors
 - Intel(R) Core(TM) i7 CPU 950 @ 3.07GHz
 - Intel(R) Core(TM) i7 CPU 950 @ 3.07GHz
 - Intel(R) Core(TM) i7 CPU 950 @ 3.07GHz
 - Intel(R) Core(TM) i7 CPU 950 @ 3.07GHz
 - Intel(R) Core(TM) i7 CPU 950 @ 3.07GHz
 - Intel(R) Core(TM) i7 CPU 950 @ 3.07GHz
 - Intel(R) Core(TM) i7 CPU 950 @ 3.07GHz
 - Intel(R) Core(TM) i7 CPU 950 @ 3.07GHz
 - Sound, video and game controllers
 - Storage controllers
 - System devices
 - Universal Serial Bus controllers

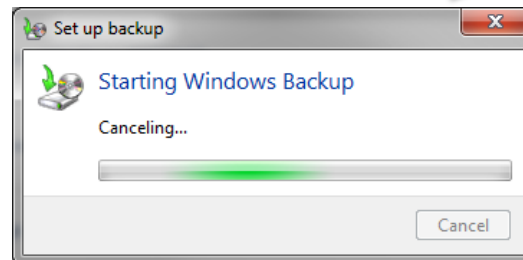
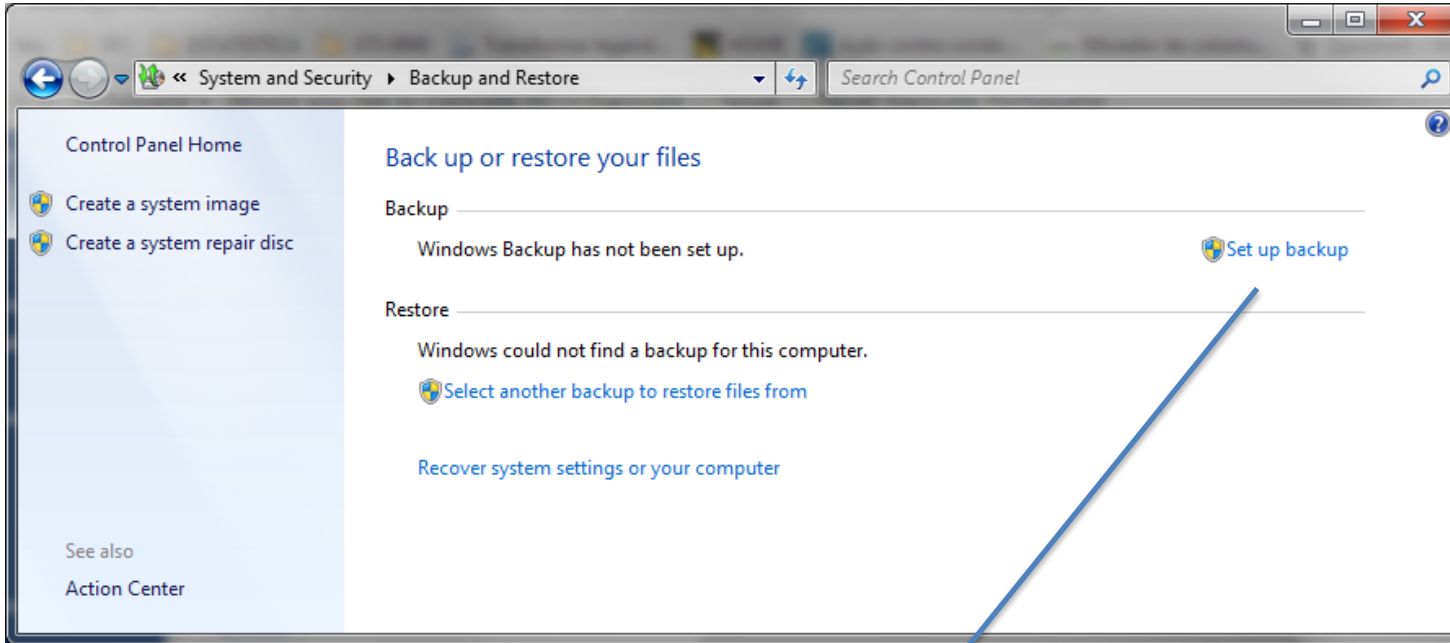


Sistema e Segurança



Backup and Restore

[Back up your computer](#) | [Restore files from backup](#)





Sistema e Segurança



Administrative Tools

Free up disk space

Defragment your hard drive



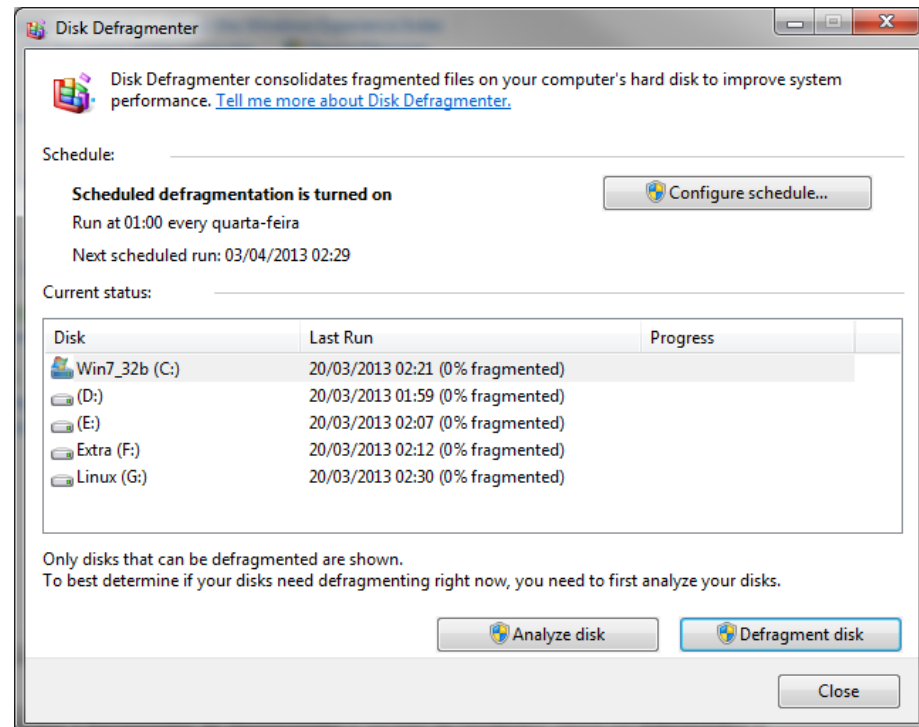
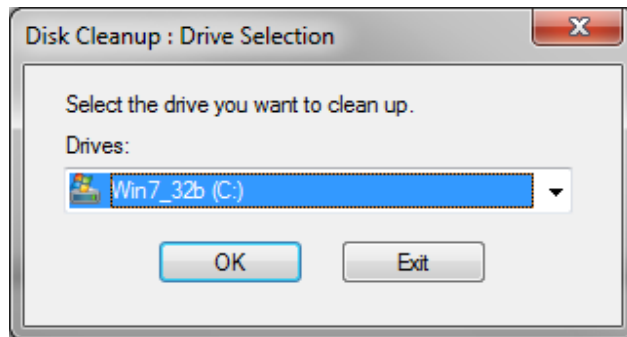
Create and format hard disk partitions



View event logs



Schedule tasks





Sistema e Segurança



Administrative Tools

Free up disk space

Defragment your hard drive

Create and format hard disk partitions

View event logs

Schedule tasks

Disk Management

File Action View Help

Volume	Layout	Type	File System	Status	Capacity	Free Space	% Fr...	Fault Tolerance	Overhead
(D:)	Simple	Basic	NTFS	Healthy (System, Active, Primary Partition)	244,49 GB	175,15 GB	72 %	No	0%
(E:)	Simple	Basic	NTFS	Healthy (Primary Partition)	465,75 GB	69,31 GB	15 %	No	0%
Extra (F:)	Simple	Basic	NTFS	Healthy (Logical Drive)	143,13 GB	3,03 GB	2 %	No	0%
Linux (G:)	Simple	Basic	NTFS	Healthy (Primary Partition)	39,06 GB	15,12 GB	39 %	No	0%
Win7_32b (C:)	Simple	Basic	NTFS	Healthy (Boot, Page File, Crash Dump, Primary Partition)	39,06 GB	2,02 GB	5 %	No	0%

Disk	Partitions	Free Space
Disk 0 Basic 465,76 GB Online	(D:) 244,49 GB NTFS Healthy (System, Active, Primary Partition) Win7_32b (C:) 39,06 GB NTFS Healthy (Boot, Page File, Crash Dun Linux (G:) 39,06 GB NTFS Healthy (Primary Partition) Extra (F:) 143,13 GB NTFS Healthy (Logical Drive)	10 Mi Free s
Disk 1 Basic 465,76 GB Online	(E:) 465,75 GB NTFS Healthy (Primary Partition)	9 MB Unallocated
Disk 2 Removable (E:)		

■ Unallocated ■ Primary partition ■ Extended partition ■ Free space ■ Logical drive



Rede e Internet



Network and Sharing Center

[View network status and tasks](#) | [Connect to a network](#) | [View network computers and devices](#) |
[Add a wireless device to the network](#)



HomeGroup

[Choose homegroup and sharing options](#)



Internet Options

[Change your homepage](#) | [Manage browser add-ons](#) | [Delete browsing history and cookies](#)



Rede e Internet



Network and Sharing Center

[View network status and tasks](#) | [Connect to a network](#) | [View network computers and devices](#) | [Add a wireless device to the network](#)

The screenshot shows the Windows Network and Sharing Center window. The title bar indicates the path: Control Panel > Network and Internet > Network and Sharing Center. The main content area is titled "View your basic network information and set up connections" and displays a network diagram with three nodes: "ANDRE-PC (This computer)", "Network 2", and "Internet". Below this, it shows "View your active networks" with details for "Network 2" (Home network), including "Access type: Internet", "HomeGroup: Ready to create", and "Connections: Local Area Connection". A "See full map" link is also present. The "Change your networking settings" section includes links for "Set up a new connection or network", "Connect to a network", "Choose homegroup and sharing options", and "Troubleshoot problems". A "See also" section at the bottom left lists "HomeGroup", "Internet Options", and "Windows Firewall".

Control Panel Home

[Change adapter settings](#)
[Change advanced sharing settings](#)

View your basic network information and set up connections [See full map](#)

ANDRE-PC (This computer) — Network 2 — Internet

View your active networks [Connect or disconnect](#)

Network 2
Home network

Access type: Internet
HomeGroup: [Ready to create](#)
Connections: [Local Area Connection](#)

Change your networking settings

- [Set up a new connection or network](#)
Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a router or access point.
- [Connect to a network](#)
Connect or reconnect to a wireless, wired, dial-up, or VPN network connection.
- [Choose homegroup and sharing options](#)
Access files and printers located on other network computers, or change sharing settings.
- [Troubleshoot problems](#)
Diagnose and repair network problems, or get troubleshooting information.

See also

- [HomeGroup](#)
- [Internet Options](#)
- [Windows Firewall](#)

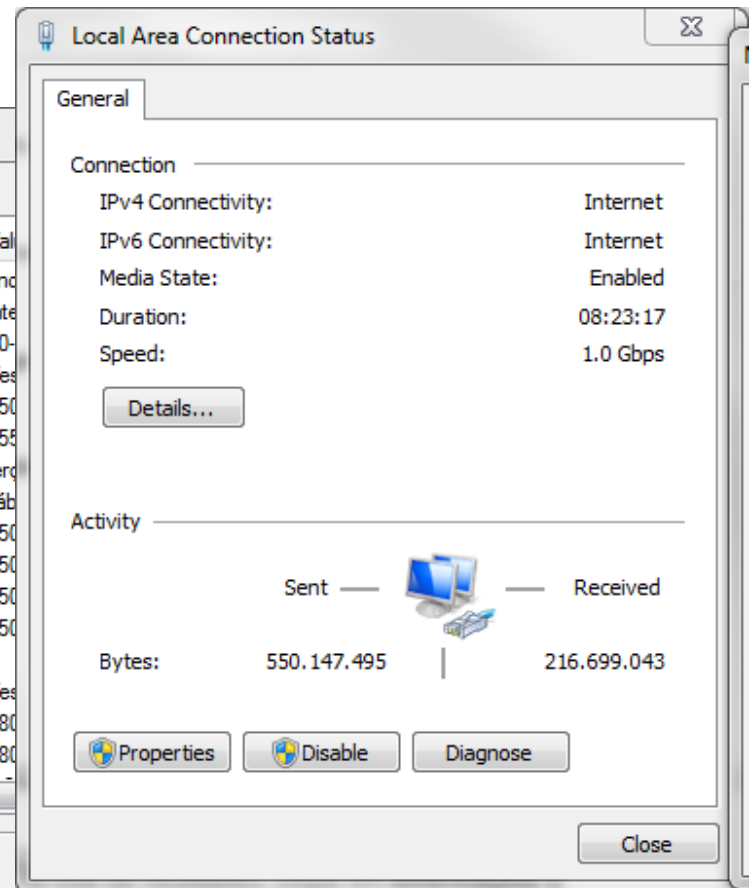
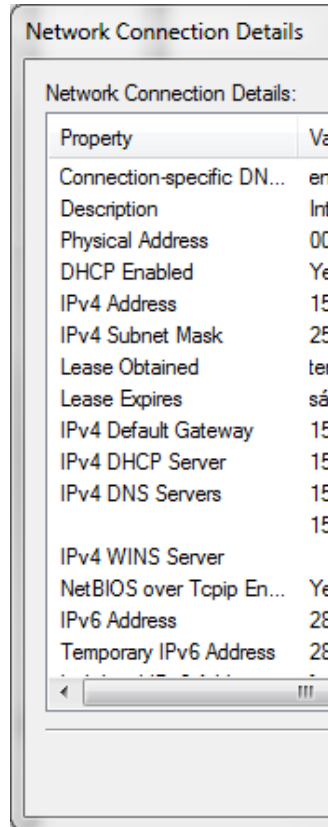
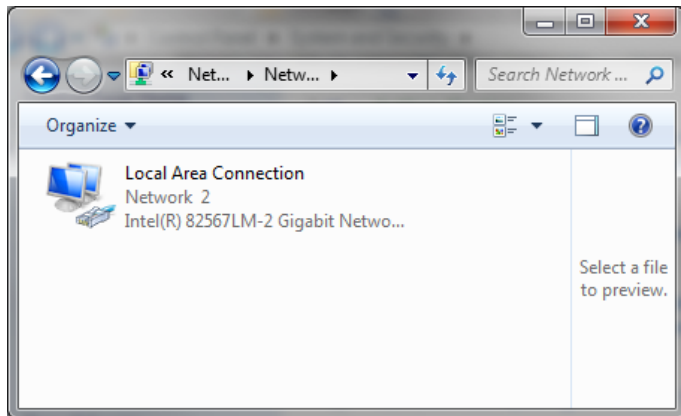


Rede e Internet



Network and Sharing Center

[View network status and tasks](#) | [Connect to a network](#) | [View network computers and devices](#) | [Add a wireless device to the network](#)





Som e Hardware



Devices and Printers

[Add a device](#) | [Add a printer](#) | [Mouse](#) |  [Device Manager](#)



AutoPlay

[Change default settings for media or devices](#) | [Play CDs or other media automatically](#)



Sound

[Adjust system volume](#) | [Change system sounds](#) | [Manage audio devices](#)



Power Options

[Change power-saving settings](#) | [Change what the power buttons do](#) | [Require a password when the computer wakes](#) | [Change when the computer sleeps](#) | [Choose a power plan](#)



Display

[Make text and other items larger or smaller](#) | [Adjust screen resolution](#) | [Connect to an external display](#) | [How to correct monitor flicker \(refresh rate\)](#)



Painel de controle da NVIDIA



Som e Hardware



Devices and Printers

[Add a device](#) | [Add a printer](#) | [Mouse](#) | [Device Manager](#)

The screenshot shows the Windows 'Devices and Printers' control panel window. The window title is 'Control Panel > Hardware and Sound > Devices and Printers'. The search bar contains 'Search Devices and Printers'. There are two buttons at the top: 'Add a device' and 'Add a printer'. The window is divided into two main sections: 'Devices (7)' and 'Printers and Faxes (11)'. The 'Devices' section contains seven items: ANDRE-PC, CM STORM INFERNO GAMING MOUSE, CS8819A2-113, HWXWLCB 5EZWHIZW SCSI CdRom Device, SyncMaster T220/T220G, Sync Master Magic T220/T220G(Di..., SyncMaster T220/T220G, Sync Master Magic T220/T220G(Di..., and USB Composite Device. The 'Printers and Faxes' section contains eleven items: Adobe PDF, Fax, HP LaserJet 1010 - A (with a green checkmark), hp LaserJet 1010 (Copy 1), HP LaserJet 1010 81-22 on 150.162.81.22, HP LaserJet 3050 Series PCL 6 on 150.162.81.12, Microsoft XPS Document Writer, PamFax, Send To OneNote 2010, SkyPDF Pro Driver, and Snagit 11. At the bottom left, there is a printer icon and the text '18 items'.



Some Hardware



Devices and Printers

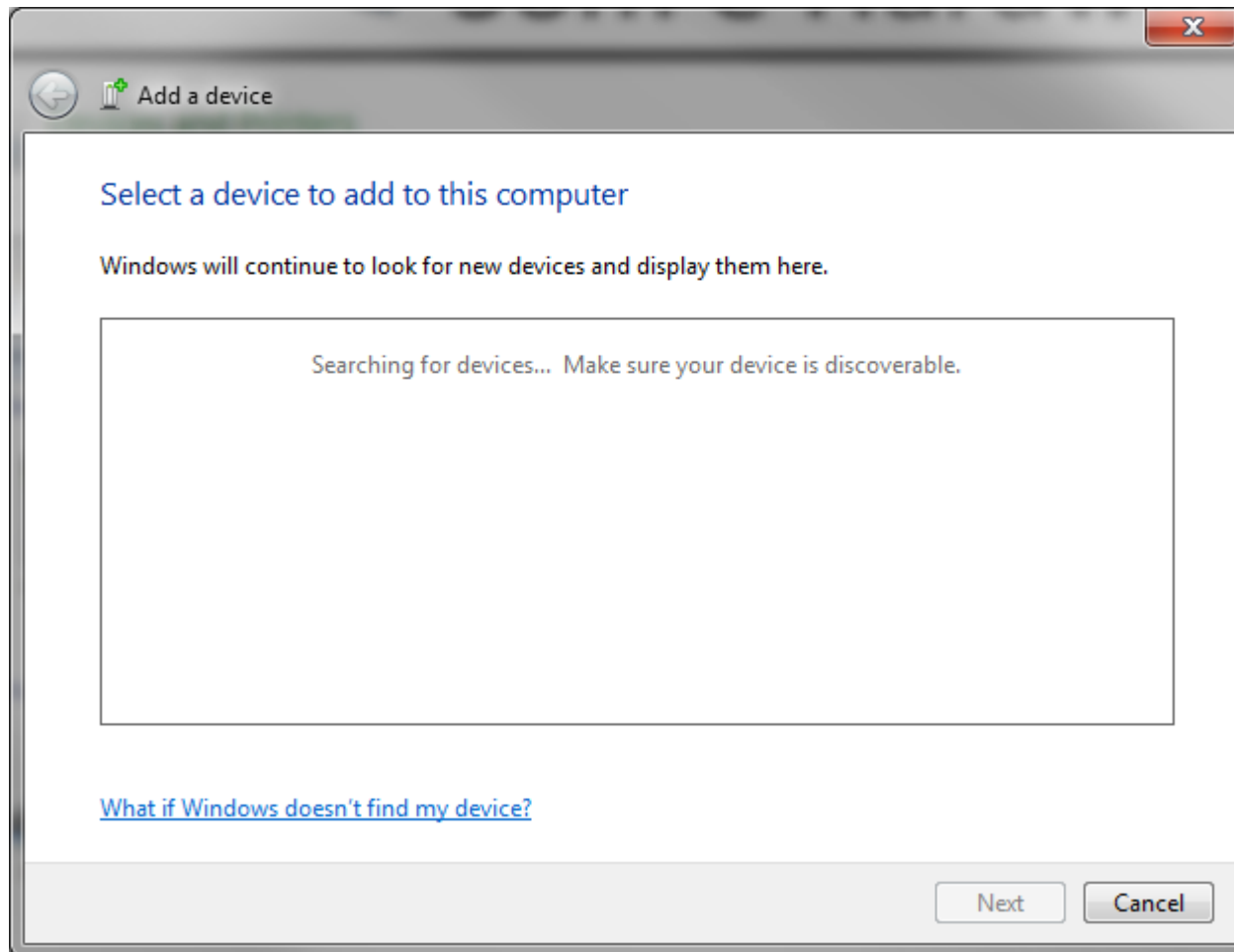
[Add a device](#)

[Add a printer](#)

[Mouse](#)



[Device Manager](#)





Som e Hardware



Devices and Printers

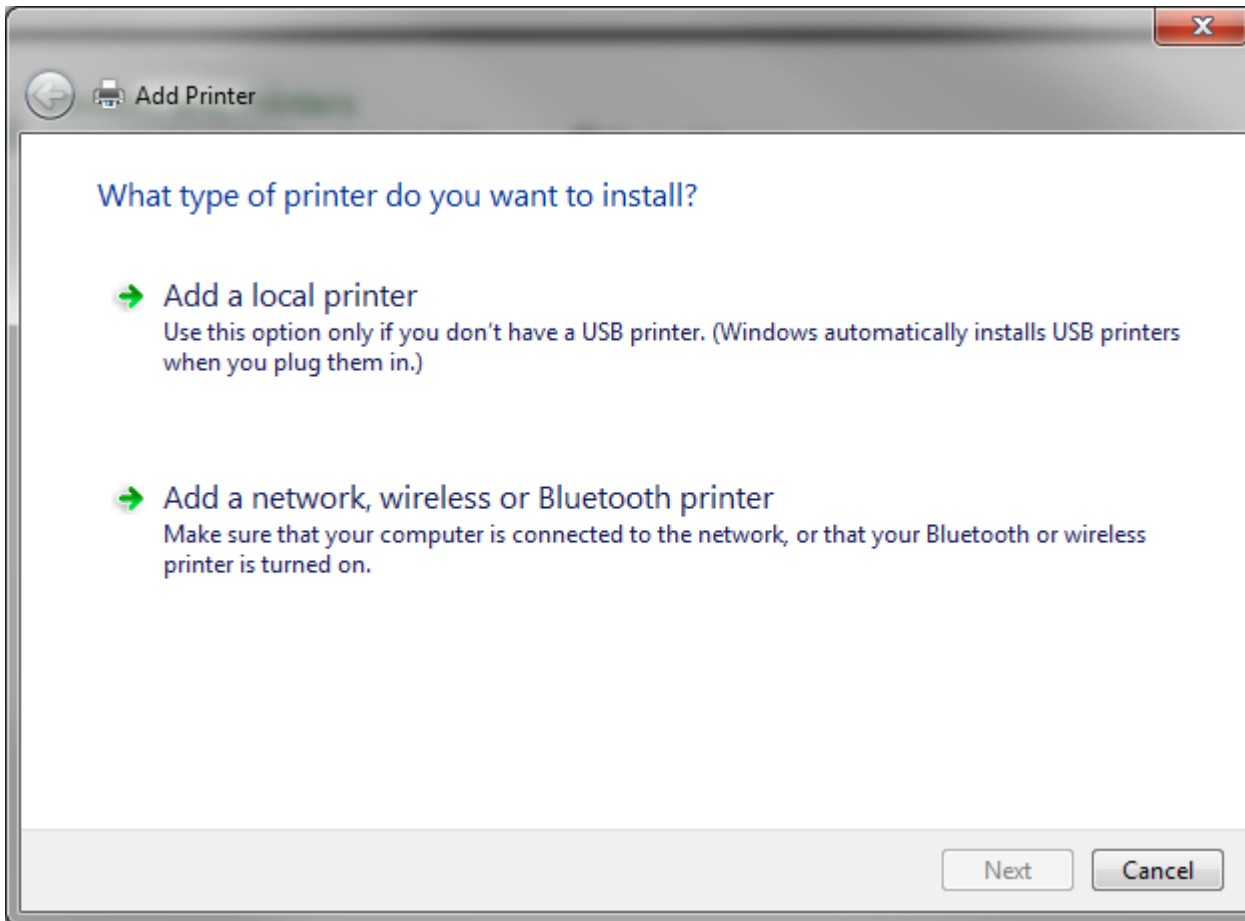
[Add a device](#)

[Add a printer](#)

[Mouse](#)



[Device Manager](#)



What type of printer do you want to install?



Add a local printer

Use this option only if you don't have a USB printer. (Windows automatically installs USB printers when you plug them in.)



Add a network, wireless or Bluetooth printer

Make sure that your computer is connected to the network, or that your Bluetooth or wireless printer is turned on.

Next

Cancel

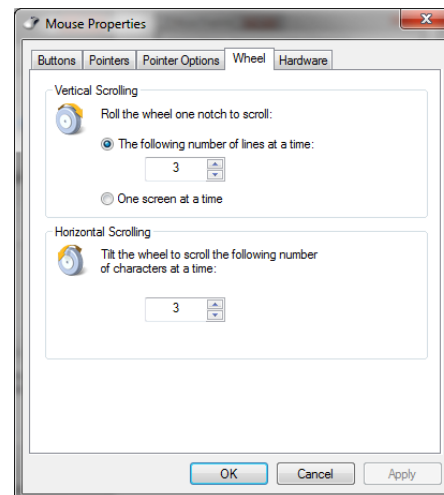
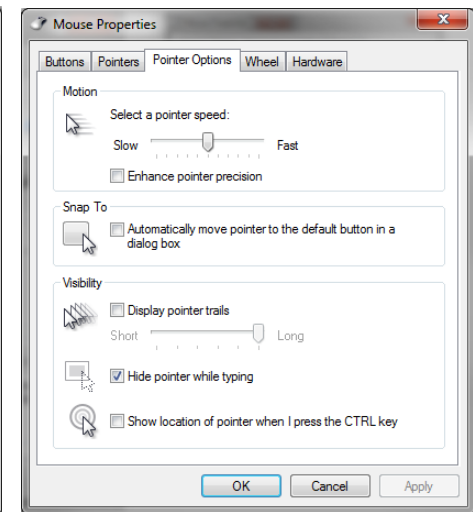
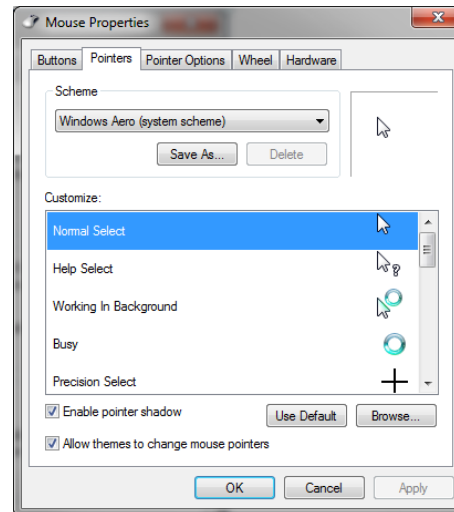
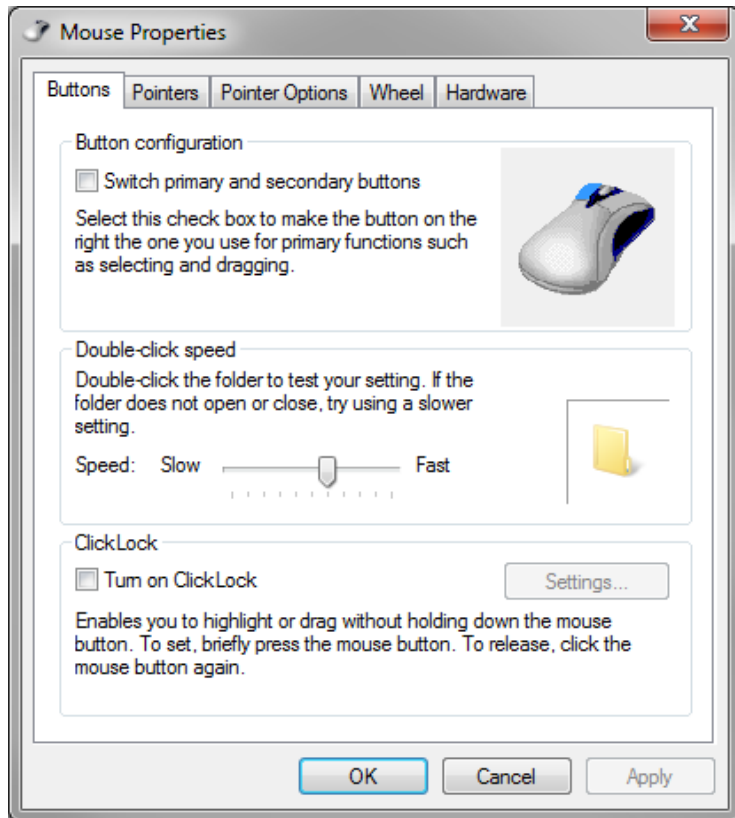


Some Hardware



Devices and Printers

[Add a device](#) | [Add a printer](#) | [Mouse](#) | [Device Manager](#)





Som e Hardware



Display

[Make text and other items larger or smaller](#) | [Adjust screen resolution](#) | [Connect to an external display](#) | [How to correct monitor flicker \(refresh rate\)](#)

The screenshot shows the Windows Display Settings control panel window. The title bar reads '<< Displ... >> Screen Resolut...'. The main heading is 'Change the appearance of your displays'. Below this, there are two monitor icons labeled '1' and '2'. To the right of the icons are 'Detect' and 'Identify' buttons. Below the icons, the settings for the selected display are shown: 'Display: 1. SyncMaster T220/T220G, SyncMaster Magic T220/T220G(Digital)', 'Resolution: 1680 x 1050 (recommended)', 'Orientation: Landscape', and 'Multiple displays: Extend these displays'. At the bottom, there are 'OK', 'Cancel', and 'Apply' buttons. A red arrow points from the 'Orientation' dropdown in the screenshot to the 'Orientation' dropdown in the adjacent image.

Resolution: 1680 x 1050 (recommended)

Orientation: Landscape

Multiple displays: Landscape

- Portrait
- Landscape (flipped)
- Portrait (flipped)

This is currently your main display.

Orientation: Landscape

Multiple displays: Extend these displays

- Duplicate these displays
- Extend these displays
- Show desktop only on 1
- Show desktop only on 2

This is currently your main display.

[Make text and other items larger or smaller](#)



Programas



Programs and Features

[Uninstall a program](#) | [Turn Windows features on or off](#) |
[View installed updates](#) | [Run programs made for previous versions of Windows](#) |
[How to install a program](#)



Default Programs

[Change default settings for media or devices](#) |
[Make a file type always open in a specific program](#) | [Set your default programs](#)



Desktop Gadgets

[Add gadgets to the desktop](#) | [Get more gadgets online](#) | [Uninstall a gadget](#) |
[Restore desktop gadgets installed with Windows](#)



Java



Programas



Programs and Features

- [Uninstall a program](#) | [Turn Windows features on or off](#) |
- [View installed updates](#) | [Run programs made for previous versions of Windows](#) |
- [How to install a program](#)

Control Panel Home

View installed updates

Turn Windows features on or off

Uninstall or change a program

To uninstall a program, select it from the list and then click Uninstall, Change, or Repair.

Organize

Name	Publisher	Installed On	Size	Version
uTorrent		20/05/2012		3.1.3
Adobe Acrobat 9 Pro Extended - English, Français, Deutsch	Adobe Systems	28/02/2012		9.0.0
Adobe Flash Player 11 ActiveX	Adobe Systems Incorporated	25/06/2012	6,00 MB	11.3.300.257
Adobe Flash Player 11 Plugin	Adobe Systems Incorporated	14/03/2013	6,00 MB	11.6.602.180
AI Viewer	IdeaMK	06/02/2012		
Apple Application Support	Apple Inc.	20/02/2012	61,2 MB	2.1.6
Apple Mobile Device Support	Apple Inc.	20/02/2012	24,3 MB	4.0.0.97
Apple Software Update	Apple Inc.	20/02/2012	2,38 MB	2.1.3.127
Arquivo do WinRAR		28/09/2010		
Arquivos de Suporte da Instalação do Microsoft SQL Server (Inglês)	Microsoft Corporation	14/04/2012	22,3 MB	9.00.1399.06
Autodesk Inventor Content Center Libraries 2012 (Desktop Content)	Autodesk, Inc.	31/01/2013	1,30 MB	16.0.16000.0000
Autodesk Inventor Fusion 2012	Autodesk, Inc.	31/01/2013		1.0.0.79
Autodesk Inventor Fusion for Inventor 2012 Add-in	Autodesk	31/01/2013		1.0.0.18
Autodesk Inventor Professional 2012 English	Autodesk	31/01/2013	2,37 GB	16.0.16000.0000
Autodesk Material Library 2012	Autodesk	31/01/2013	97,8 MB	2.5.0.8

Currently installed programs Total size: 14,0 GB
170 programs installed



Programas



Programs and Features

- Uninstall a program
- Turn Windows features on or off
- View installed updates
- Run programs made for previous versions of Windows
- How to install a program

Control Panel Home

View installed updates

Turn Windows features on or off

Uninstall or change a program

To uninstall a program, select it from the list and then click Uninstall, Change, or Repair.

Organize Uninstall/Change

Name	Publisher	Installed On	Size	Version
µTorrent		20/05/2012		2.1.2
Adobe Acrobat 9 Pro Extended - English, Français, Deutsch	Adobe Systems	28/02/2012		9.0.0
Adobe Flash Player 11 ActiveX	Adobe Systems Incorporated	25/06/2012	6,00 MB	11.2.200.257
Adobe Flash Player 11 Plugin	Adobe Systems Incorporated	14/03/2013	6,00 MB	11.6.602.180
AI Viewer	IdeaMK	06/02/2012		
Apple Application Support	Apple Inc.	20/02/2012	61,2 MB	2.1.6
Apple Mobile Device Support	Apple Inc.	20/02/2012	24,3 MB	4.0.0.97
Apple Software Update	Apple Inc.	20/02/2012	2,38 MB	2.1.3.127
Arquivo do WinRAR		28/09/2010		
Arquivos de Suporte da Instalação do Microsoft SQL Server (Inglês)	Microsoft Corporation	14/04/2012	22,3 MB	9.00.1399.06
Autodesk Inventor Content Center Libraries 2012 (Desktop Content)	Autodesk, Inc.	31/01/2013	1,30 MB	16.0.16000.0000
Autodesk Inventor Fusion 2012	Autodesk, Inc.	31/01/2013		1.0.0.79
Autodesk Inventor Fusion for Inventor 2012 Add-in	Autodesk	31/01/2013		1.0.0.18
Autodesk Inventor Professional 2012 English	Autodesk	31/01/2013	2,37 GB	16.0.16000.0000
Autodesk Material Library 2012	Autodesk	31/01/2013	97,8 MB	2.5.0.8
Autodesk Material Library Base Resolution Image Library 2012	Autodesk	31/01/2013	71,4 MB	2.5.0.8
Autodesk Material Library Low Resolution Image Library 2012	Autodesk	31/01/2013	245 MB	2.5.0.8
Battlefield 3™	Electronic Arts	18/12/2011		1.0.0.0
Battlelog Web Plugins	EA Digital Illusions CE AB	18/12/2011		1.104.0
Bonjour	Apple Inc.	28/02/2012	1,02 MB	3.0.0.10

Support link: <http://www.adobe.com>

Help link: <http://www.adobe.com/...> Update information: <http://www.adobe.com/products/acrobat/updates.html>

µTorrent

Adobe Acrobat 9 Pro Extended - English, Français, Deutsch

Adobe Flash Player 11 ActiveX

Adobe Flash Player 11 Plugin

AI Viewer

Uninstall/Change



Programas



Programs and Features

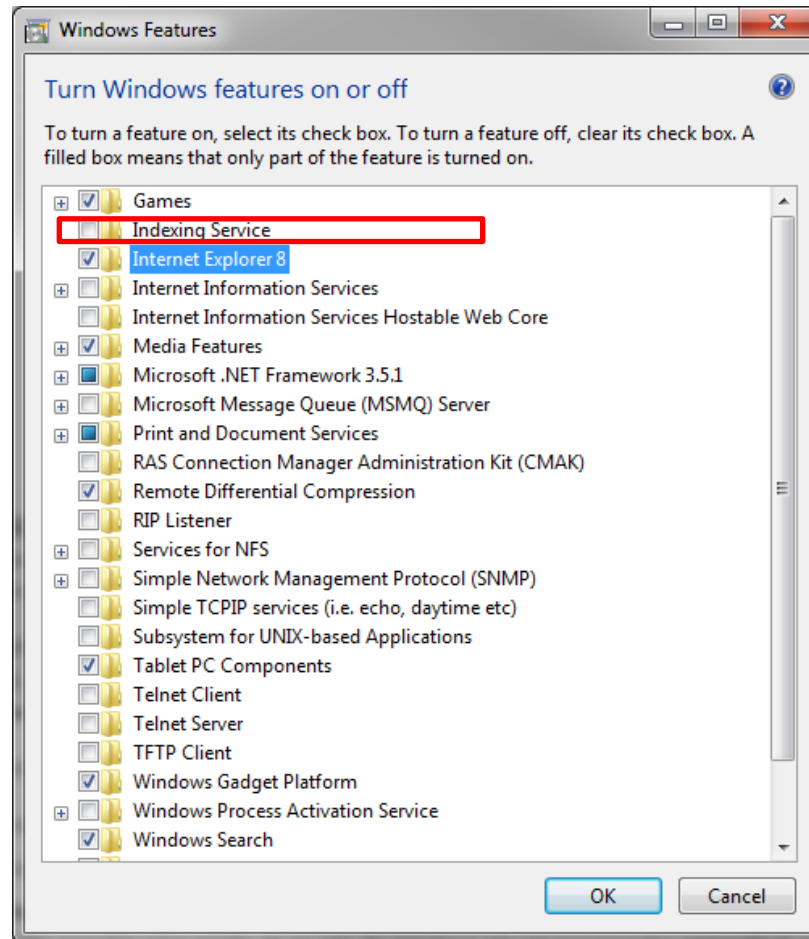
[Uninstall a program](#)

[Turn Windows features on or off](#)

[View installed updates](#)

[Run programs made for previous versions of Windows](#)

[How to install a program](#)





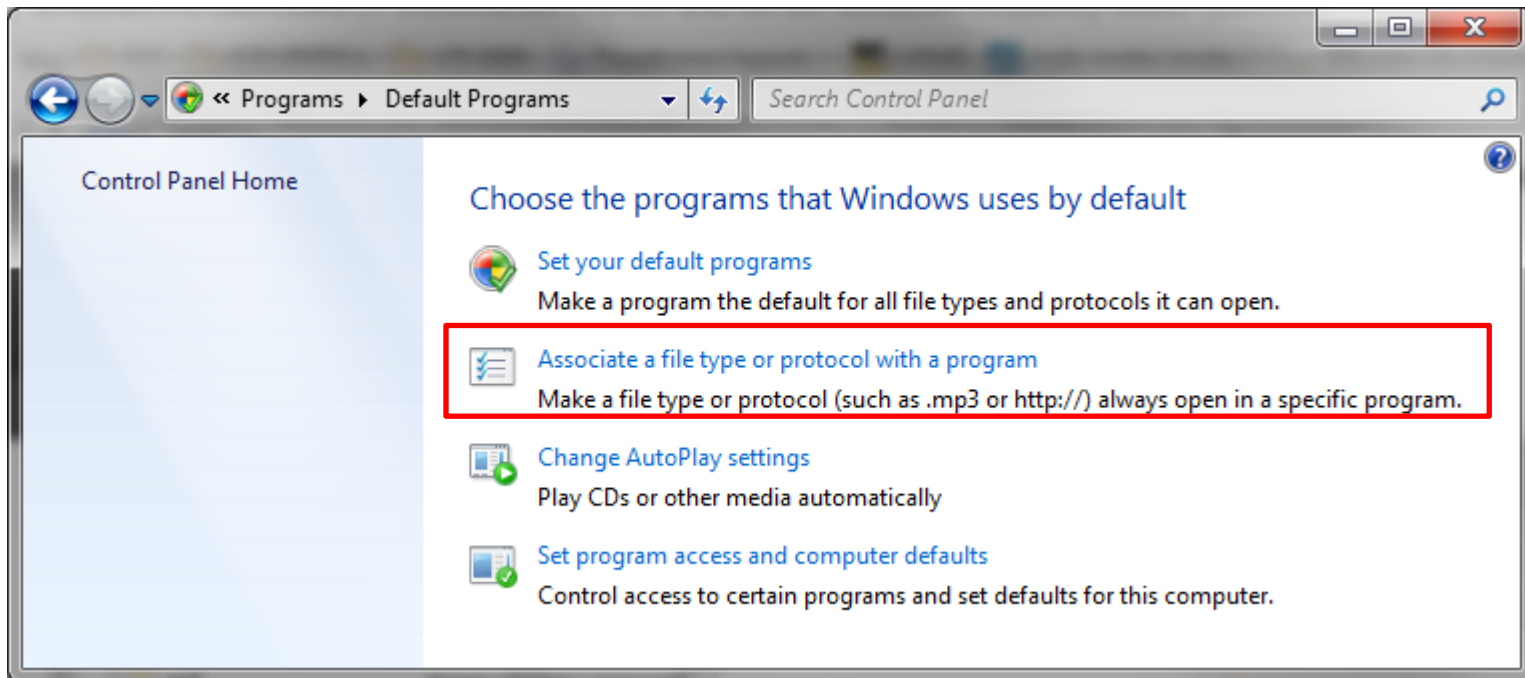
Programas



Default Programs

[Change default settings for media or devices](#) |

[Make a file type always open in a specific program](#) | [Set your default programs](#)





Programas



Default Programs

[Change default settings for media or devices](#)

[Make a file type always open in a specific program](#) | [Set your default programs](#)

Associate a file type or protocol with a specific program

Click on an extension to view the program that currently opens it by default. To change the default program, click Change program.

Windows Media Player
Microsoft Corporation

Change program...

Name	Description	Current Default
.aspx	ASP.NET Server Page	Microsoft Expression Web 4
.asx	Windows Media Audio/Video playlist	Windows Media Player
.au	AU Format Sound	Windows Media Player
.aud	Aspen Utilities Document	Unknown application
.auf	Aspen Utilities Language	ASPENMODELER
.avi	Video Clip	Windows Media Player
.aw	Answer Wizard File	Unknown application
.b4s	VLC media file (.b4s)	VLC media player
.bat	Windows Batch File	Unknown application
.bdt	Aspen B-JAC Document Template	Aspen Exchanger Design & Rating
.bfd	Aspen B-JAC Drawing Document	Aspen Exchanger Design & Rating
.bib	BIB File	JabRef
.bibtex	BibTeX Document	zotero.exe
.bin	VLC media file (.bin)	VLC media player
.bji	Aspen B-JAC Input File	Aspen Exchanger Design & Rating

Close



Programas



Default Programs

[Change default settings for media or devices](#)

[Make a file type always open in a specific program](#) | [Set your default programs](#)

Control Panel > Programs > Default Programs

Associate a file type or protocol with a specific program. Click on an extension to view the program that currently opens it by default.

Windows Media Player
Microsoft Corporation

Name	Description
.aspx	ASP.NET Server Page
.asx	Windows Media Audio/Video playlist
.au	AU Format Sound
.aud	Aspen Utilities Document
.auf	Aspen Utilities Language
.avi	Video Clip
.aw	Answer Wizard File
.b4s	VLC media file (.b4s)
.bat	Windows Batch File
.bdt	Aspen B-JAC Document Template
.bfd	Aspen B-JAC Drawing Document
.bib	BIB File
.bibtex	BibTeX Document
.bin	VLC media file (.bin)
.bji	Aspen B-JAC Input File

Open with

Choose the program you want to use to open this file:

File: .avi

Recommended Programs

- VLC media player
VideoLAN
- QuickTime Player
Apple Inc.
- Windows Media Center
Microsoft Corporation
- Windows Media Player
Microsoft Corporation

Other Programs

Always use the selected program to open this kind of file

Browse...

OK Cancel

Sistema de arquivos - Windows



FAT 32 (*File Allocation Table*) – trabalha com 32 bits, pode representar 4 294 967 296 (2^{32}) valores, que é exatamente 4GB de tamanho. Ex.: Windows 95, 98, XP

NTFS (*New Tecnology File System*) – na teoria trabalha com 64 bits. Onde, o tamanho máximo de arquivo aumenta de forma considerável, pois $2^{64} = 2^{32} \times 2^{32} = 4 \text{ GB} \times 4 \text{ GB}$ (~ 16 TB). Ex.: Windows Vista, 7 e 8

Gerenciamento de dados



- Windows Explorer – é um gerenciador de arquivos e pastas do Windows;
- Utilizado para cópia, exclusão, organização, movimentação e todas as atividades de gerenciamento de arquivos.

Tipos de arquivos

Windows Explorer



Aula Windows.pdf	02/04/2013 16:45	Adobe Acrobat Document
EliPariser_2011-480p-pt-br.mp4	01/04/2013 19:26	MP4 Video
INE 5223 - Aula 01.pdf	19/03/2013 20:05	Adobe Acrobat Document
INE 5223 - Aula 01.ppt	19/03/2013 20:05	Microsoft PowerPoint 97-2003 Presentati...
INE 5223 - Aula 01.pptx	19/03/2013 20:04	Microsoft PowerPoint Presentation

Arquivo

Tipo de arquivo



INE 5223 - Aula 01.pptx

O ícone está associado ao programa que abre o arquivo

ícone

Nome do arquivo

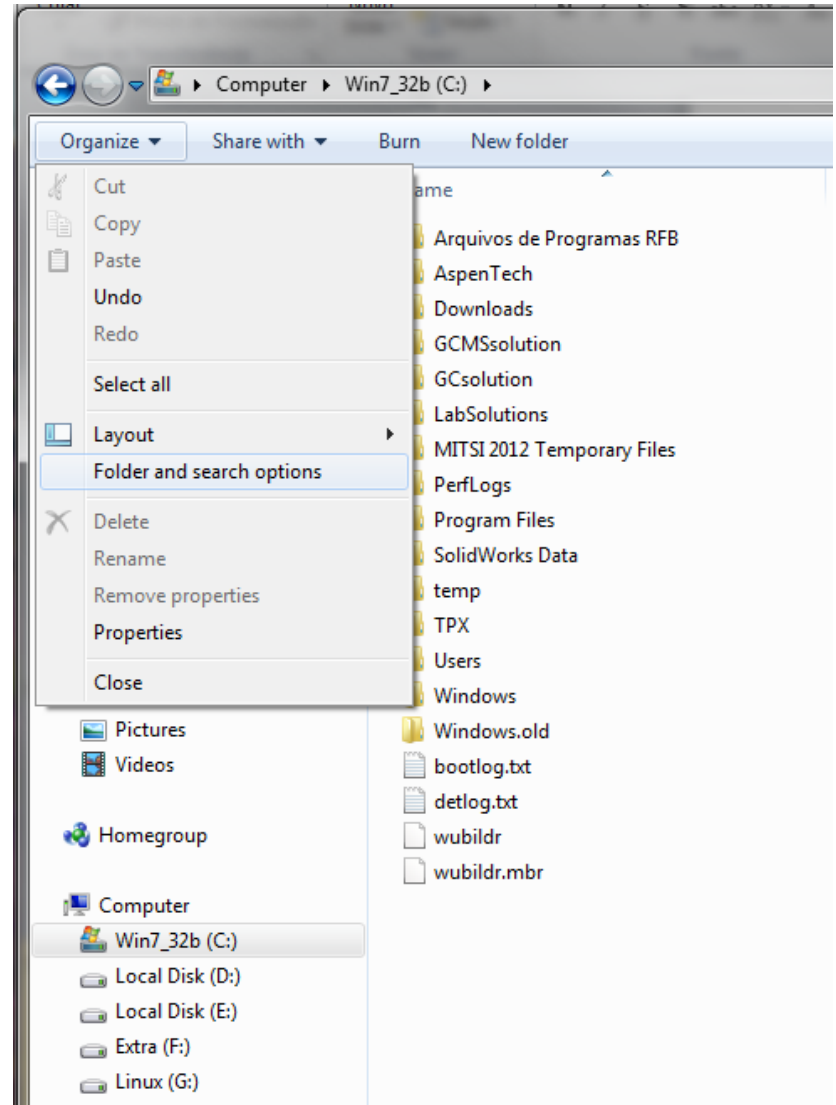
Extensão do arquivo

.pptx

Tipos de arquivos

Como visualizar a extensão do arquivo

Windows Explorer



Organização dos Dados - Windows



Gerenciador de arquivos - Windows

Computer > Extra (F:) > Andre W Z > Dropbox > ANDRE - AULAS > INFORMATICA > INE 5223 > INE5223 > André

Search André

Organize Open Print E-mail Burn New folder

Name	Date	Type	Size	Length
aulawindows1-1223837675110446-8.pdf	02/04/2013 16:45	Adobe Acrobat D...	2.947 KB	
EliPariser_2011-480p-pt-br.mp4	01/04/2013 19:26	MP4 Video	62.760 KB	00:09:04
INE 5223 - Aula 01.pdf	19/03/2013 20:05	Adobe Acrobat D...	1.459 KB	
INE 5223 - Aula 01.ppt	19/03/2013 20:05	Microsoft PowerP...	3.058 KB	
INE 5223 - Aula 01.pptx	19/03/2013 20:04	Microsoft PowerP...	2.966 KB	
INE 5223 - Aula 02.pdf	25/03/2013 18:36	Adobe Acrobat D...	2.443 KB	
INE 5223 - Aula 02.pptx	22/03/2013 18:16	Microsoft PowerP...	14.508 KB	
INE 5223 - Aula 03.pdf	06/04/2013 18:17	Adobe Acrobat D...	1.943 KB	
INE 5223 - Aula 03.pptx	01/04/2013 19:45	Microsoft PowerP...	3.935 KB	
INE 5223 - Aula 04.pdf	06/04/2013 18:18	Adobe Acrobat D...	3.063 KB	
INE 5223 - Aula 04.pptx	02/04/2013 20:10	Microsoft PowerP...	3.805 KB	
Inside Microchips.mp4	22/03/2013 15:45	MP4 Video	9.507 KB	00:01:59
JohnGrahamCumming_2012X-480p-pt.mp4	01/04/2013 19:21	MP4 Video	83.819 KB	00:12:14
Tabela.xlsx	01/04/2013 20:00	Microsoft Excel W...	13 KB	
The MOSFET.mp4	22/03/2013 15:26	MP4 Video	3.477 KB	00:01:13

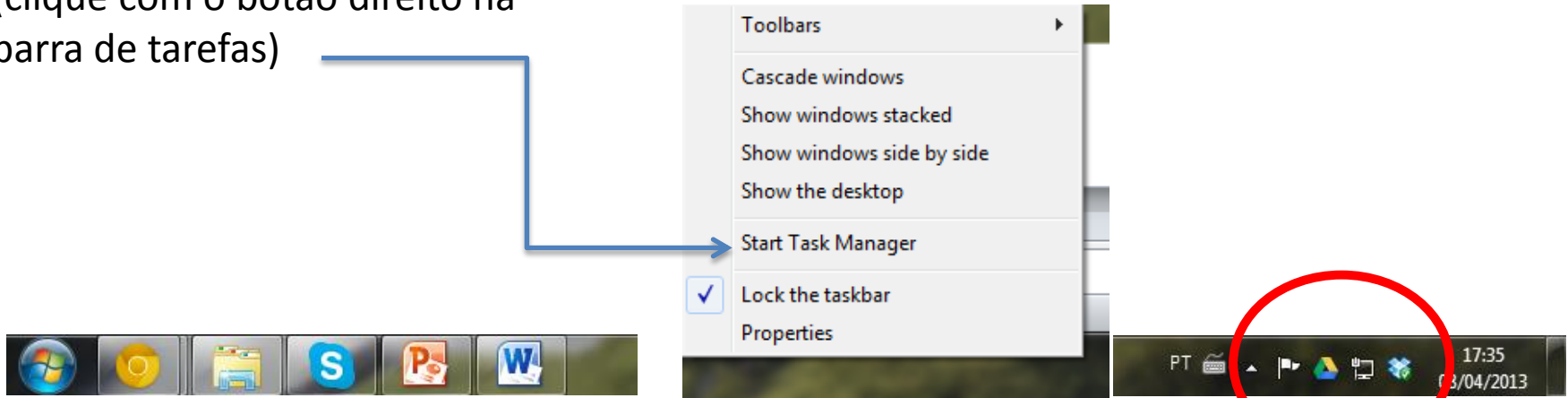
INE 5223

Sistemas Operacionais
Noções sobre sistemas operacionais,
funcionamento, recursos básicos
Ambiente Windows

INE 5223 - Aula 04.pptx Title: INE 5223 Size: 3,71 MB Tags: Add a tag Content status: Add text Slides: 38
Microsoft PowerPoint Presentation Authors: Andre Date modified: 02/04/2013 20:11 Categories: Add a category Content type: Add text

Barra de Ferramentas/Teclas de atalho

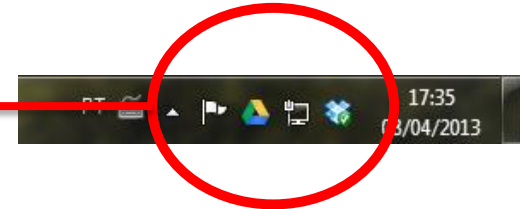
Inicia o gerenciador de tarefas
(clique com o botão direito na
barra de tarefas)



Programas inicializados

Barra de Ferramentas/Teclas de atalho

Programas inicializados ←



Como habilitar ou desabilitar um programa da inicialização automática

1

2

3

4

Recent Places	Date and Time	Type	Size
Data Sources (UDBL)	7/14/2009 7:41 AM	Shortcut	2 KB
Event Viewer	7/14/2009 7:42 AM	Shortcut	2 KB
ISCSI Initiator	7/14/2009 7:41 AM	Shortcut	2 KB
Local Security Policy	8/12/2009 8:39 AM	Shortcut	2 KB
Performance Monitor	7/14/2009 7:41 AM	Shortcut	2 KB
Print Management	8/12/2009 8:39 AM	Shortcut	2 KB
Services	7/14/2009 7:41 AM	Shortcut	2 KB
System Configuration	7/14/2009 7:41 AM	Shortcut	2 KB
Task Scheduler	7/14/2009 7:42 AM	Shortcut	2 KB
Windows Firewall with Advanced Security	7/14/2009 7:41 AM	Shortcut	2 KB
Windows Memory Diagnostic	7/14/2009 7:41 AM	Shortcut	2 KB
Windows PowerShell Modules	7/14/2009 7:52 AM	Shortcut	3 KB

Barra de Ferramentas/Teclas de atalho

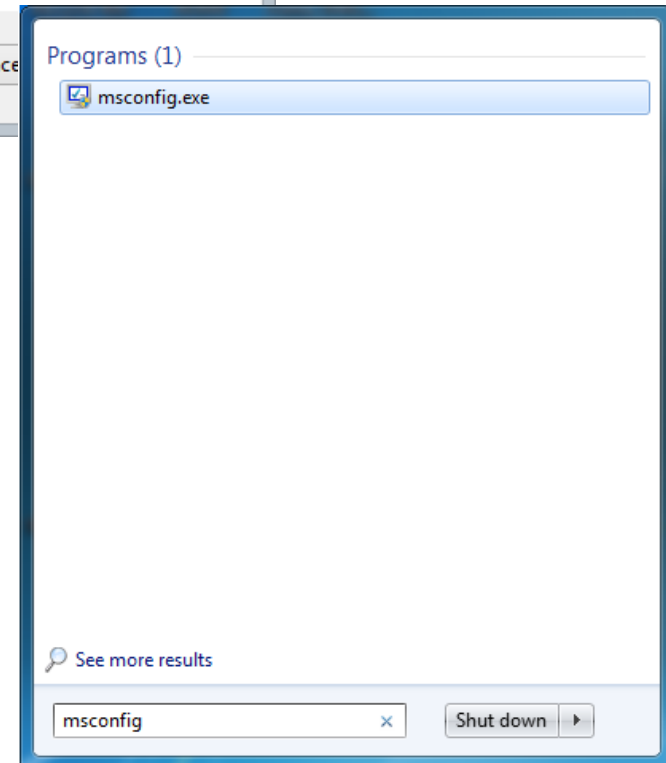
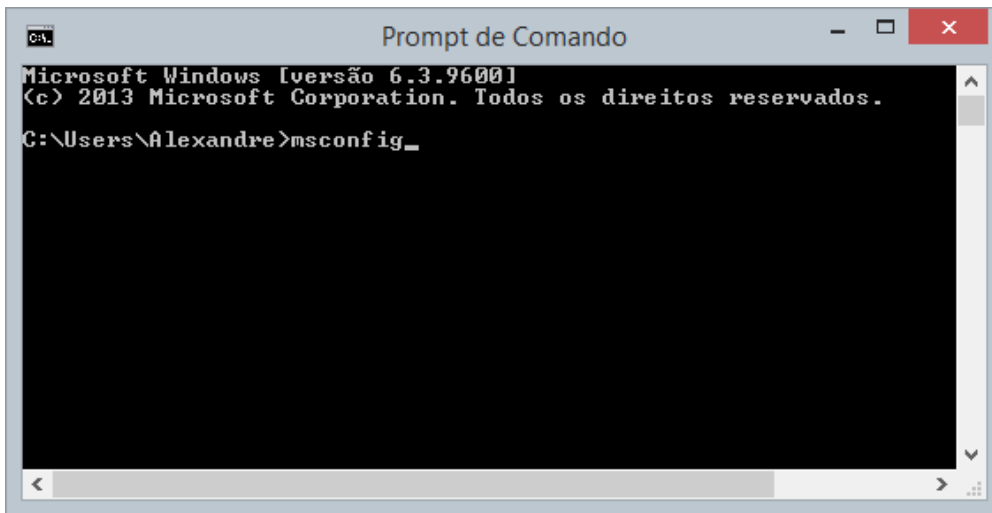
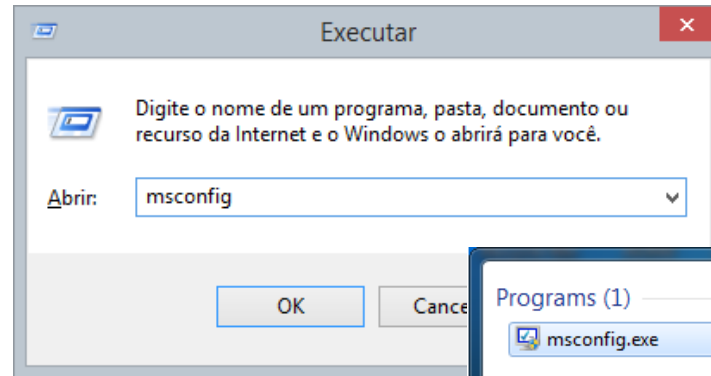
Como habilitar ou desabilitar um programa da inicialização automática

Ou diretamente via executar:

Executar >> msconfig.exe

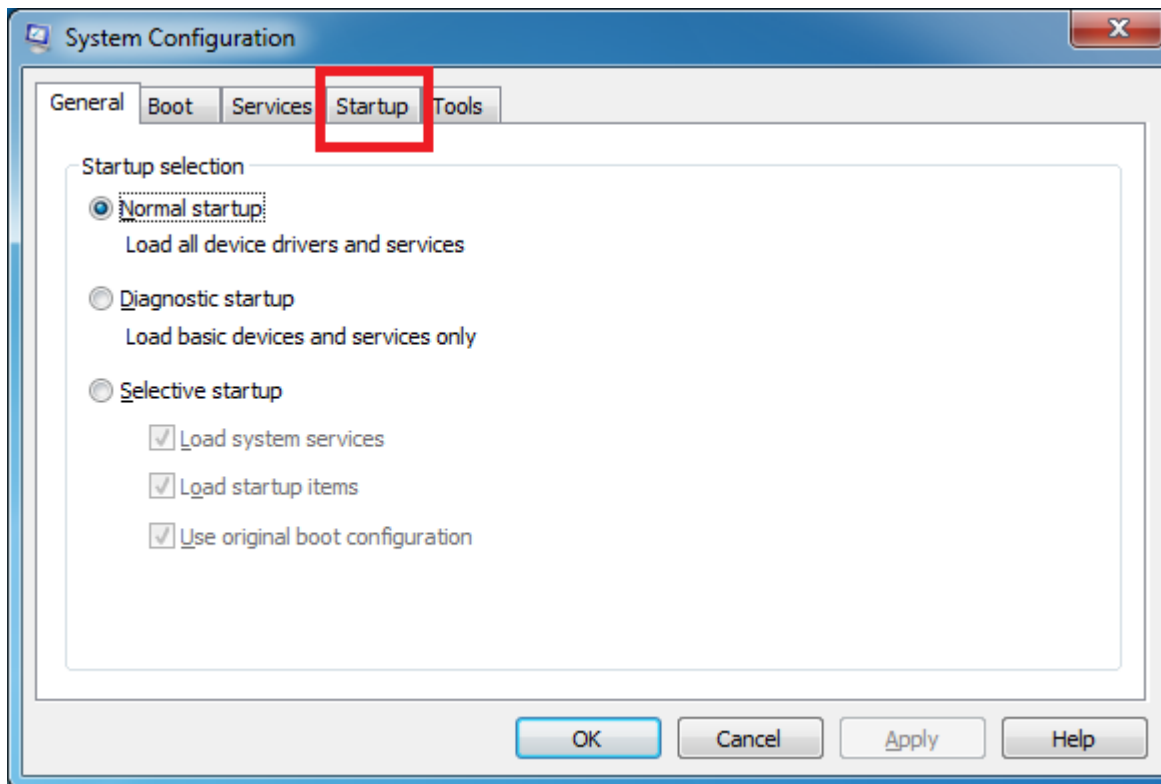
Ou via 'cmd':

cmd >> msconfig.exe



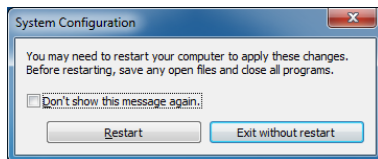
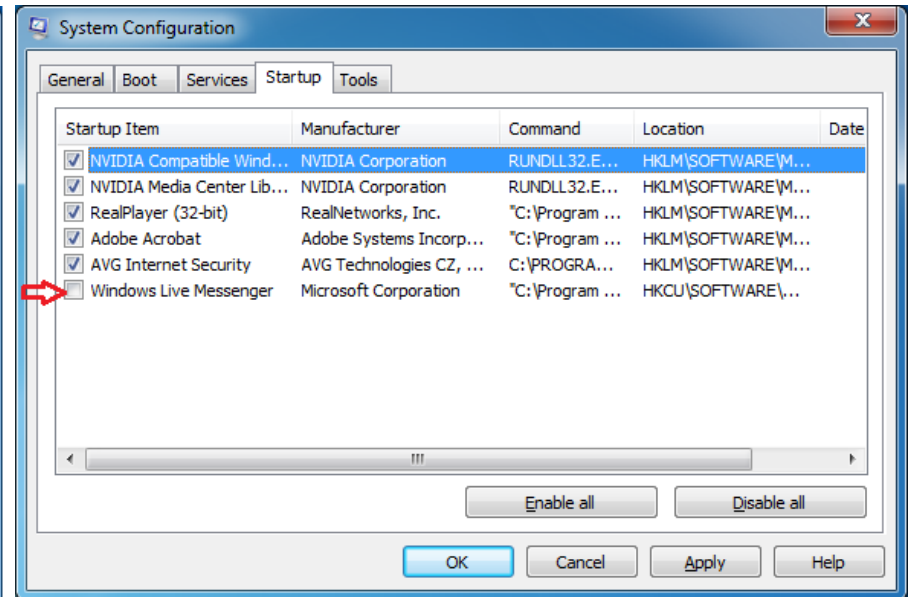
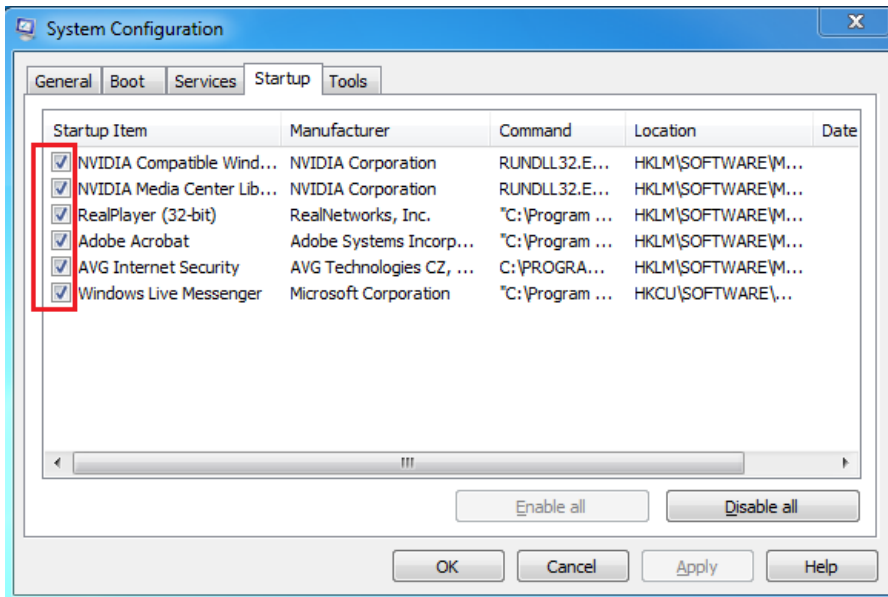
Barra de Ferramentas/Teclas de atalho

Como habilitar ou desabilitar um programa da inicialização automática



Barra de Ferramentas/Teclas de atalho

Como habilitar ou desabilitar um programa da inicialização automática

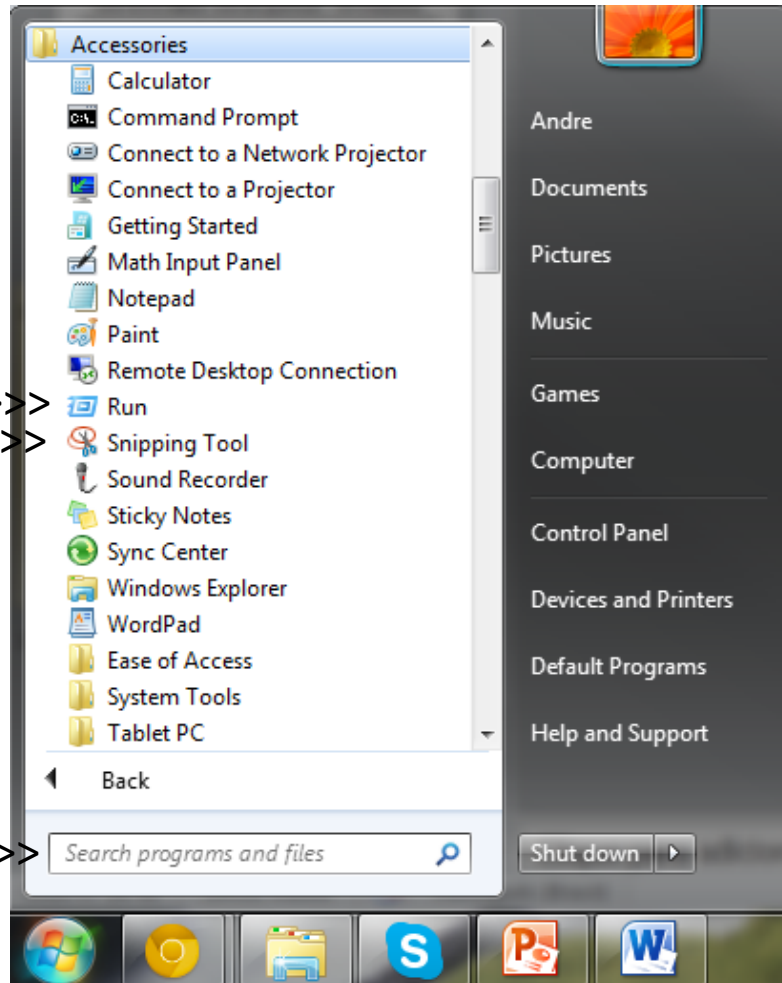


Antes



Depois

Barra de Ferramentas/Teclas de atalho



Executar >>>
Captura >>>

Procurar >>>

Executar >>>

Word – winword

PowerPoint – powerpnt

Excel - excel

...

..

.

Barra de Ferramentas/Teclas de atalho

Windows + Cima – Maximiza a janela atual;

Windows + Esquerda – Faz com que a janela atual vá para a esquerda da tela cobrindo metade da “Área de trabalho”, repetir o atalho fará a janela ir para a direita da tela, repetir pela terceira vez faz com que a janela volte para a posição original;

Windows + Direita – Faz o mesmo que o comando anterior, porém começando pela direita;

Windows + Baixo – Minimiza a janela. Restaura para o tamanho normal e posiciona na tela se a janela estiver maximizada;

Windows + P – Abre o menu de projeção (seleção de projetores/”data show”);

Windows + Home - Minimiza todas as janelas;

Barra de Ferramentas/Teclas de atalho

Windows + Barra de espaços – Todas as janelas tornam-se transparentes para você poder visualizar a “Área de trabalho”;

Windows + “+” (Mais) – Aumenta o zoom (aproxima-se) da tela;

Windows + “-” (Menos) – Diminui o zoom (afasta-se) da tela;

Windows + Shift + Esquerda - Joga a janela atual para o monitor da esquerda (no caso de você usar dois monitores para o mesmo computador);

Windows + Shift + Direita - Faz contrário do atalho anterior (joga para a direita);

Alt + P – Mostra ou esconde a janela de pré-visualização;

Barra de Ferramentas/Teclas de atalho

Ctrl + Shift + Esc – Abre o Gerenciador de Tarefas do Windows (não mostrando outras opções, como Ctrl + Alt + Del);

Alt + Tab – Alterna as janelas abertas de forma que suas miniaturas fiquem na tela sem a necessidade de continuar pressionando a tecla;

Windows + F – Pesquisa arquivos e pastas

Windows + Shift + <clicar em um ícone da barra de tarefas> - Abrir um nova instância de um programa

Windows + F1 – Ajuda

Atalhos básicos

- Atalhos para textos, fotos, músicas, documentos, planilhas ou outros objetos:
 - Copiar um item selecionado: **Ctrl+C**
 - Recortar um item selecionado: **Ctrl+X**
 - Colar um item selecionado: **Ctrl+V**
 - Desfazer uma ação: **Ctrl+Z**
 - Refazer o que acabei de desfazer: **Ctrl+Y**
 - Selecionar tudo: **Ctrl+A**
 - Imprimir: **Ctrl+P**

Próxima aula, dia 27

- Prática no 'lab info 007' do Sistema Operacional Windows
- Disponibilização da primeira lista de exercícios para entrega pelo Moodle