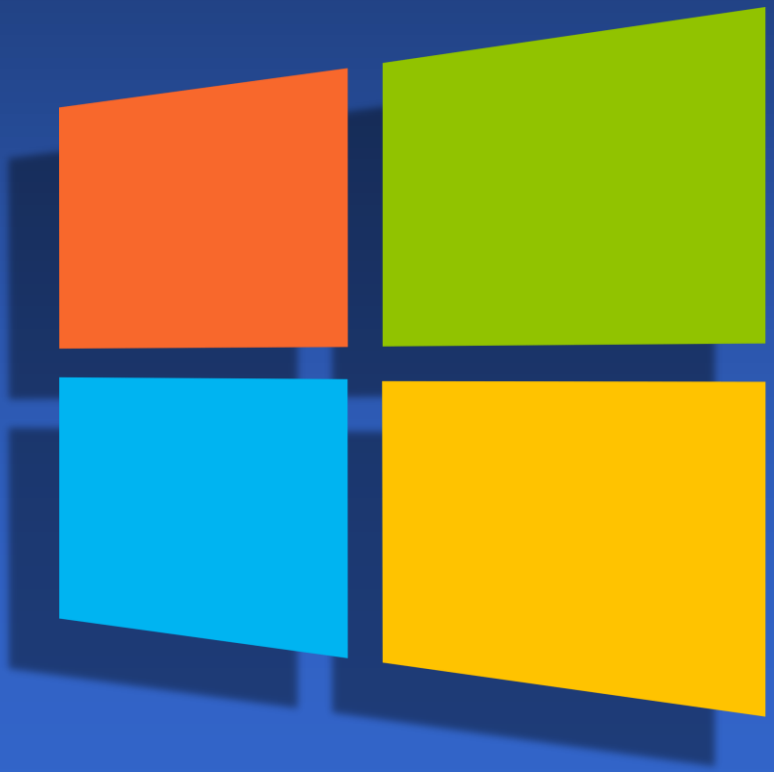
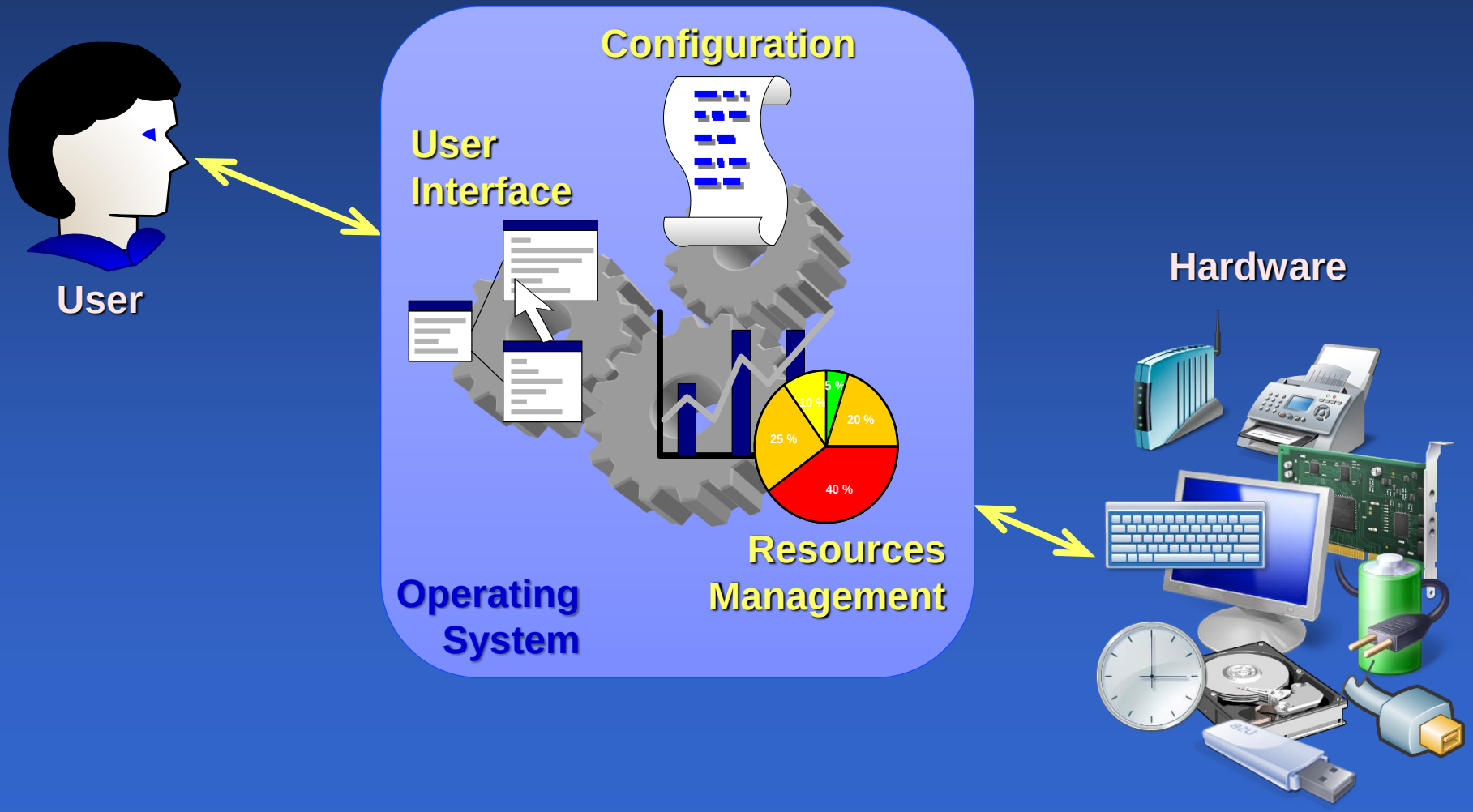
Use & Admin Windows
Survival Kit – 1 WINDOWS ??



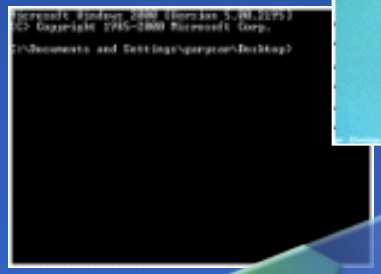
Introduction

OS ?



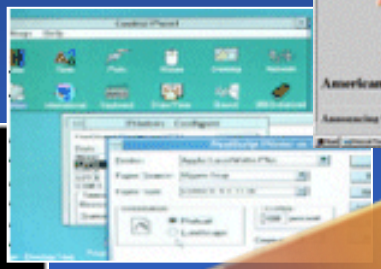
40 years of Personnal Computing

1981
CLI



DOS
UNIX

1990
GUI



X-11
Windows
Macintosh

1995
Web

Netscape
IIS – IE
javascript

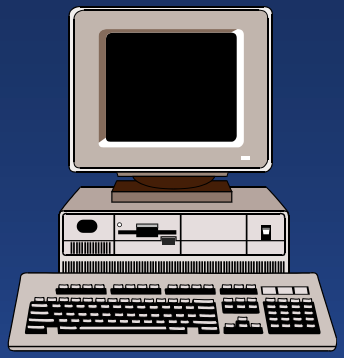
2000
Mobility

Google
Android
.net, js

2010
Cloud

AWS
Azure
iOS

Hardware changes



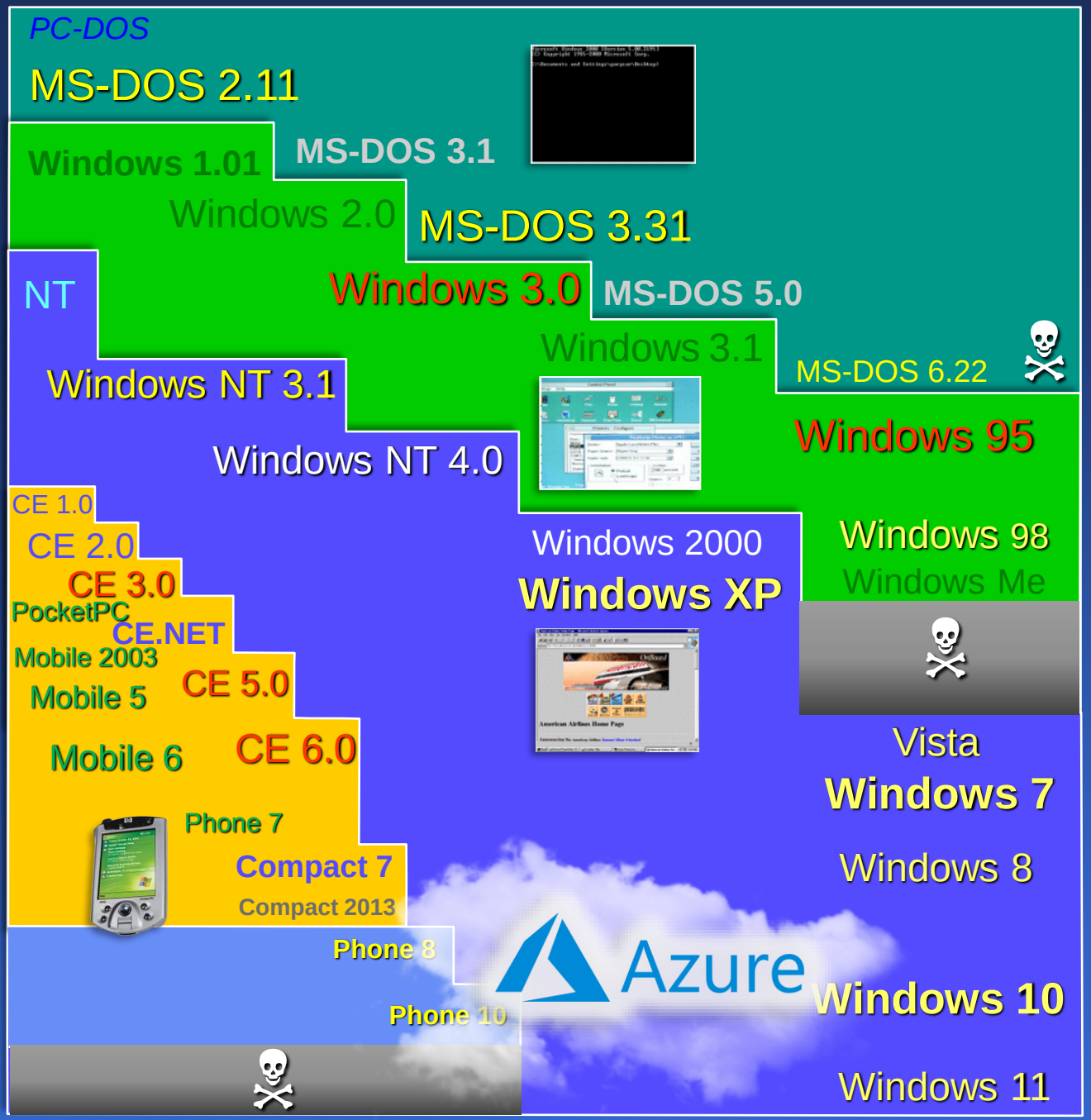
1981		2023
• Keyboard	x(1)	• Keyboard + Mouse
• RAM 64 Kb	x(250 000)	• RAM 16 000 000 Kb
• Screen (25x80 char)	x(3 000)	• Screen (1920x1080 pixels)
• Floppy 180 Kb	x(5 600 000)	• SSD 1 000 000 000 Kb
• Serial 9 600 bps	x(520 000)	• USB-3.0 5 000 000 000 bps

Desktop Productivity

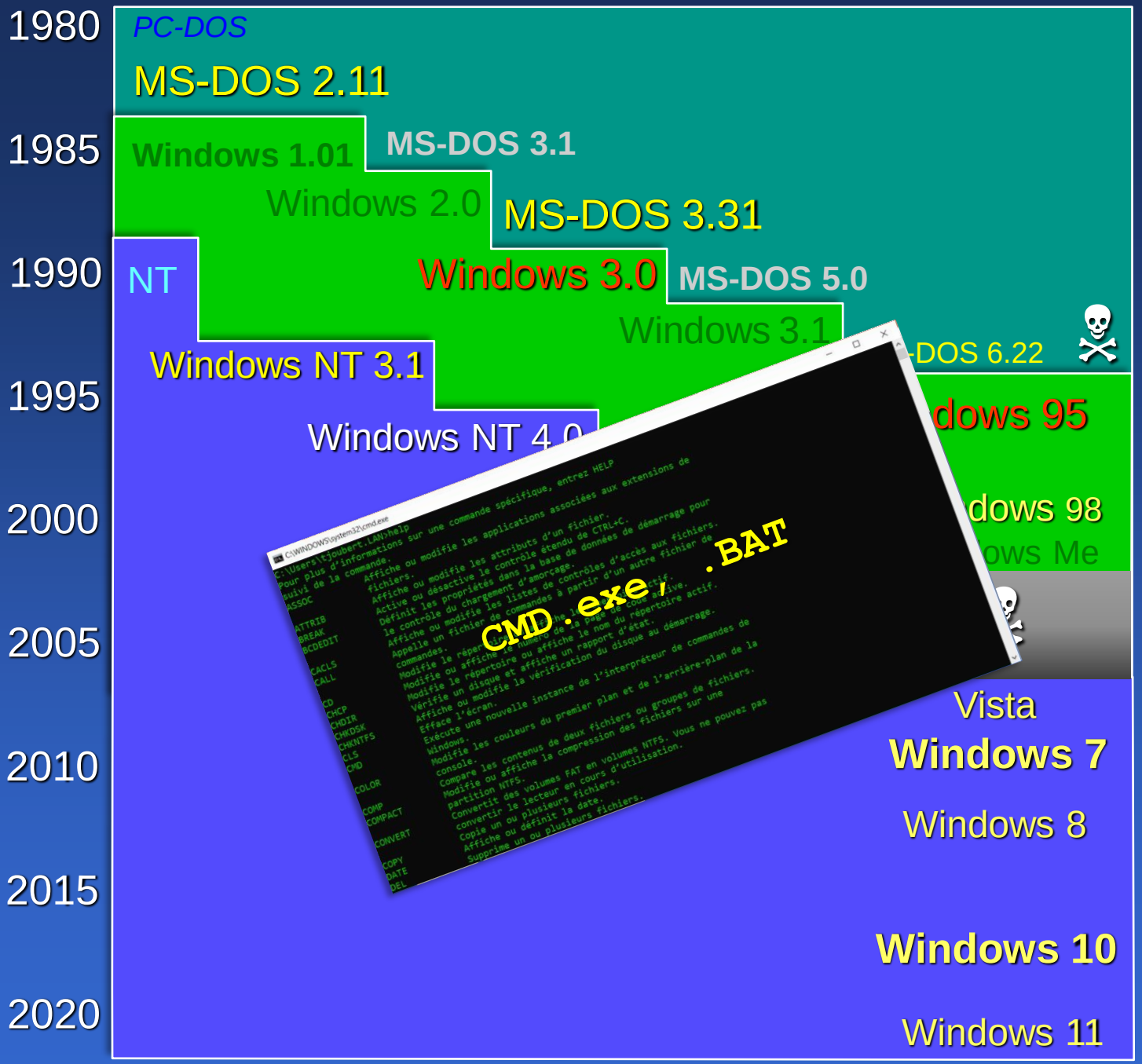
Mobile + Connected Experience

- Network (PAN/LAN/WAN)
- Camera/Sound
- Battery (ACPI)

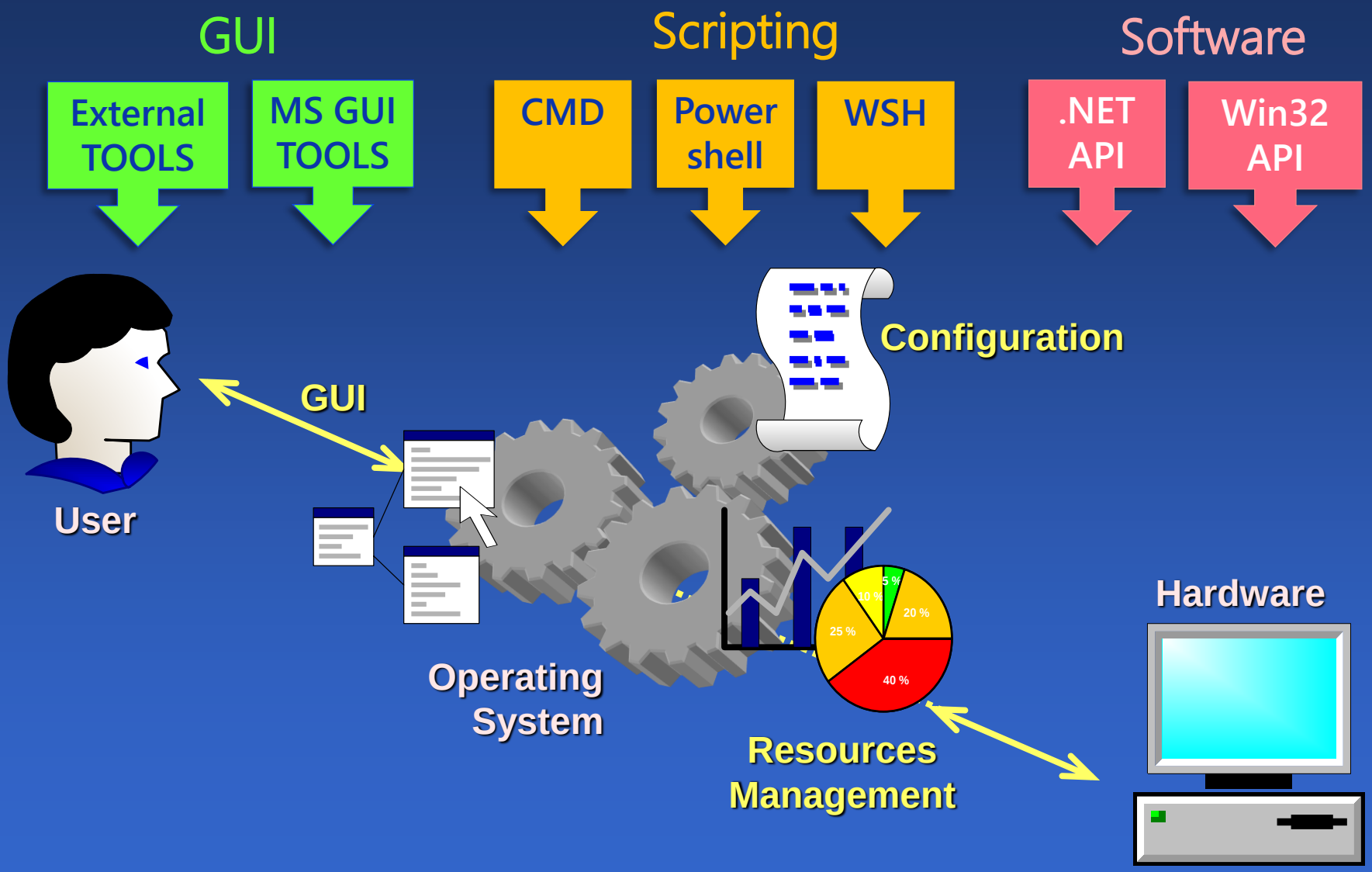
MS OS



One Survivor



OS control levels



Useful shortcuts

- ⊞ + R → run
- ⊞ + E → explorer
- ⊞ + P → display
- ⊞ + L → lock session
- ⊞ + U → utilities
- ⊞ + D → desktop
- Alt + PrntScr → captures current windows
- Alt + Tab → switch applications
- Ctrl+Alt+Del → Supervisor screen *>TaskMgr.exe*

CLI – check MS license

- ⊞ + R → CMD
- `CD \Windows\System32`
- `cscript slmgr.vbs /dlv`

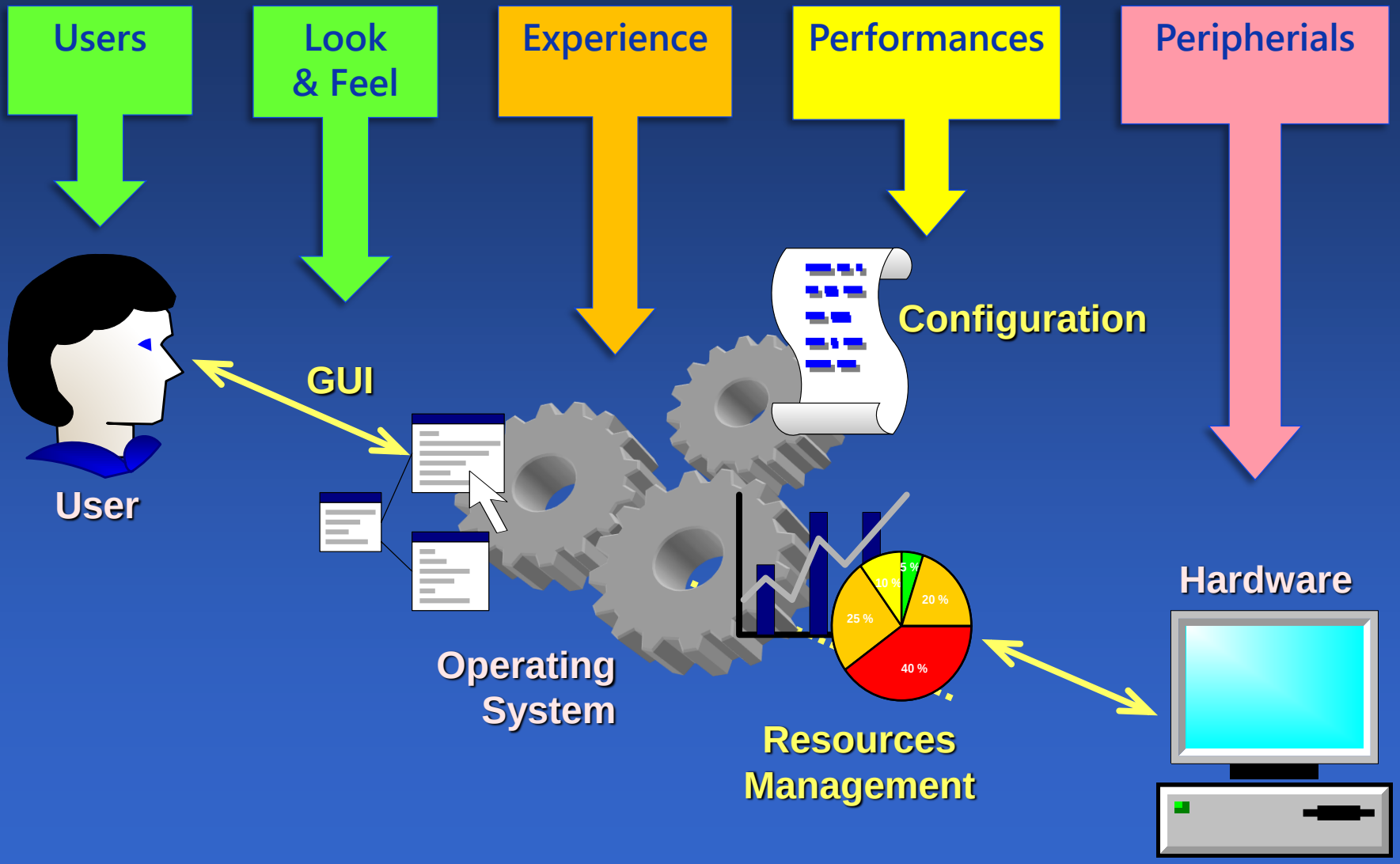
```
Version du service de licences logicielles : 10.0.22621.1105

Nom : Windows(R), Professional edition
Description : Windows(R) Operating System, OEM_DM channel
ID d'activation : [redacted]
ID d'application [redacted]
PID étendu : [redacted]
Canal de la clé de produit (Product Key) : OEM:DM
Identificateur d'installation : [redacted]
URL de licence d'utilisation : https://activation-v2.sls.microsoft.com/S
URL de validation : https://validation-v2.sls.microsoft.com/SLWGA/slwga.
Clé de produit partielle : [redacted]
État de la licence : avec licence
Nombre de réinitialisations de Windows restant : 1001
Nombre de réinitialisations de la référence (SKU) restant : 1001
Heure approuvée : 11/02/2023 07:58:27
```

OS control

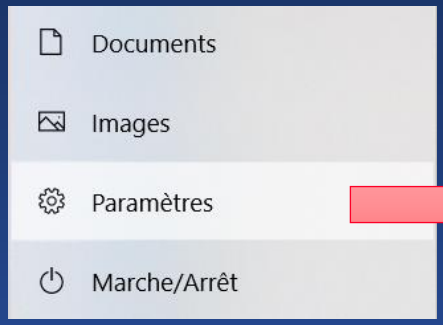
MS GUI tools

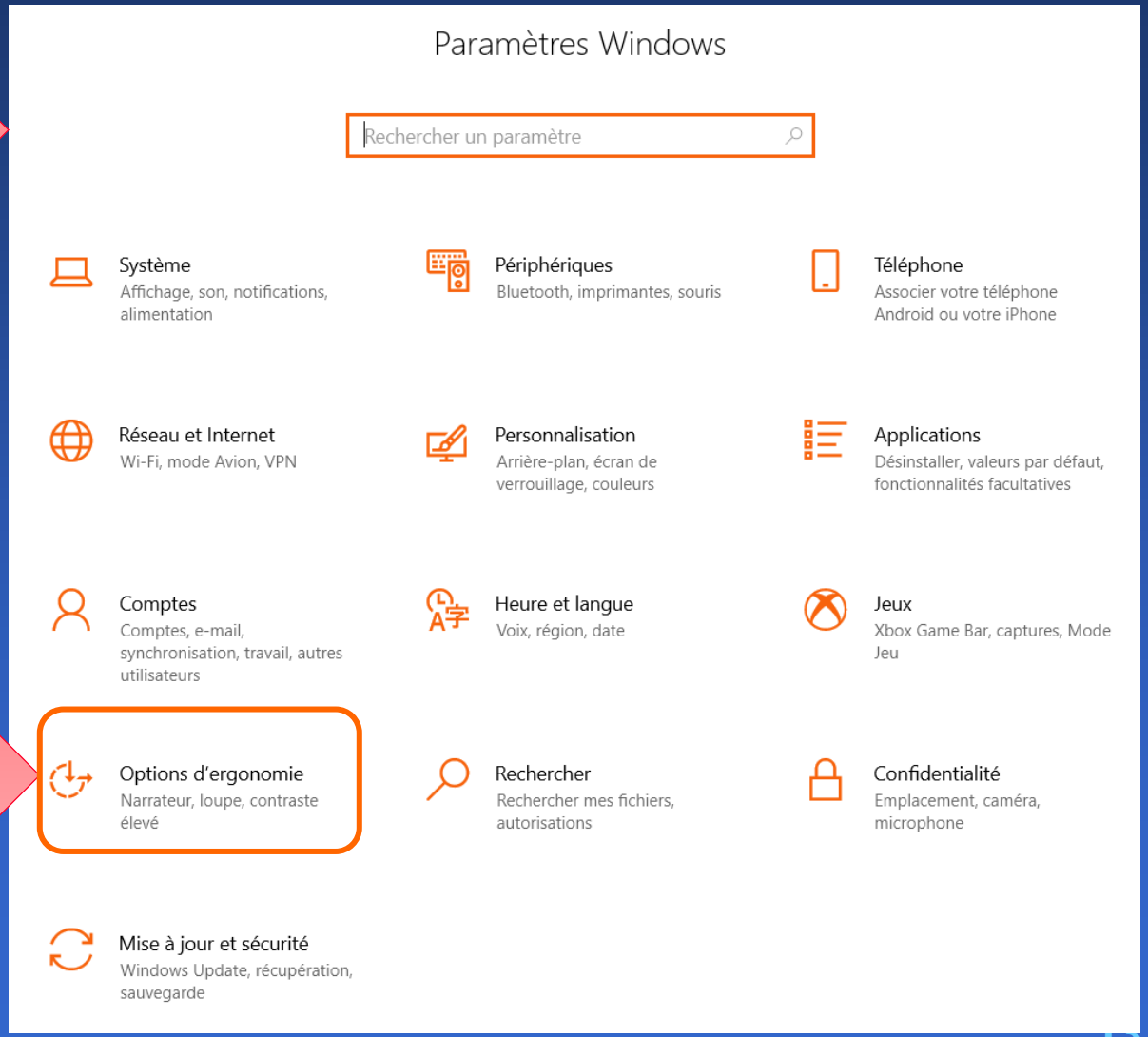
OS control targets



Windows Parameters

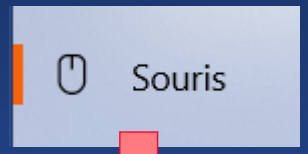
Start Menu



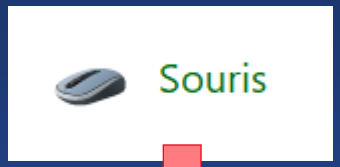


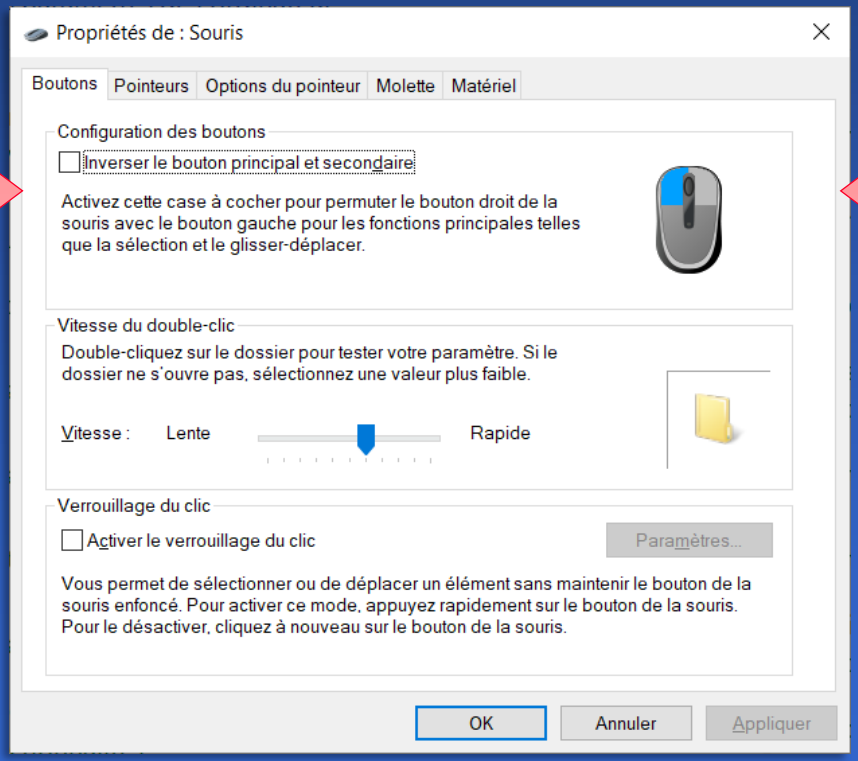
Parameters vs Control

Parameters



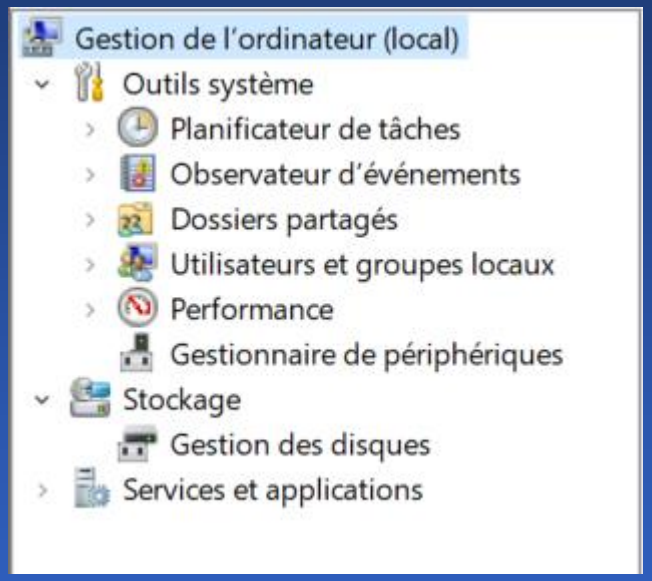
Control Panel

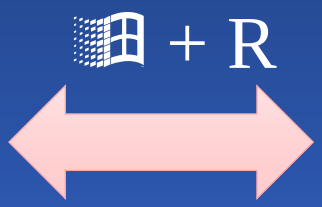




Computer Management

- From Explorer menu

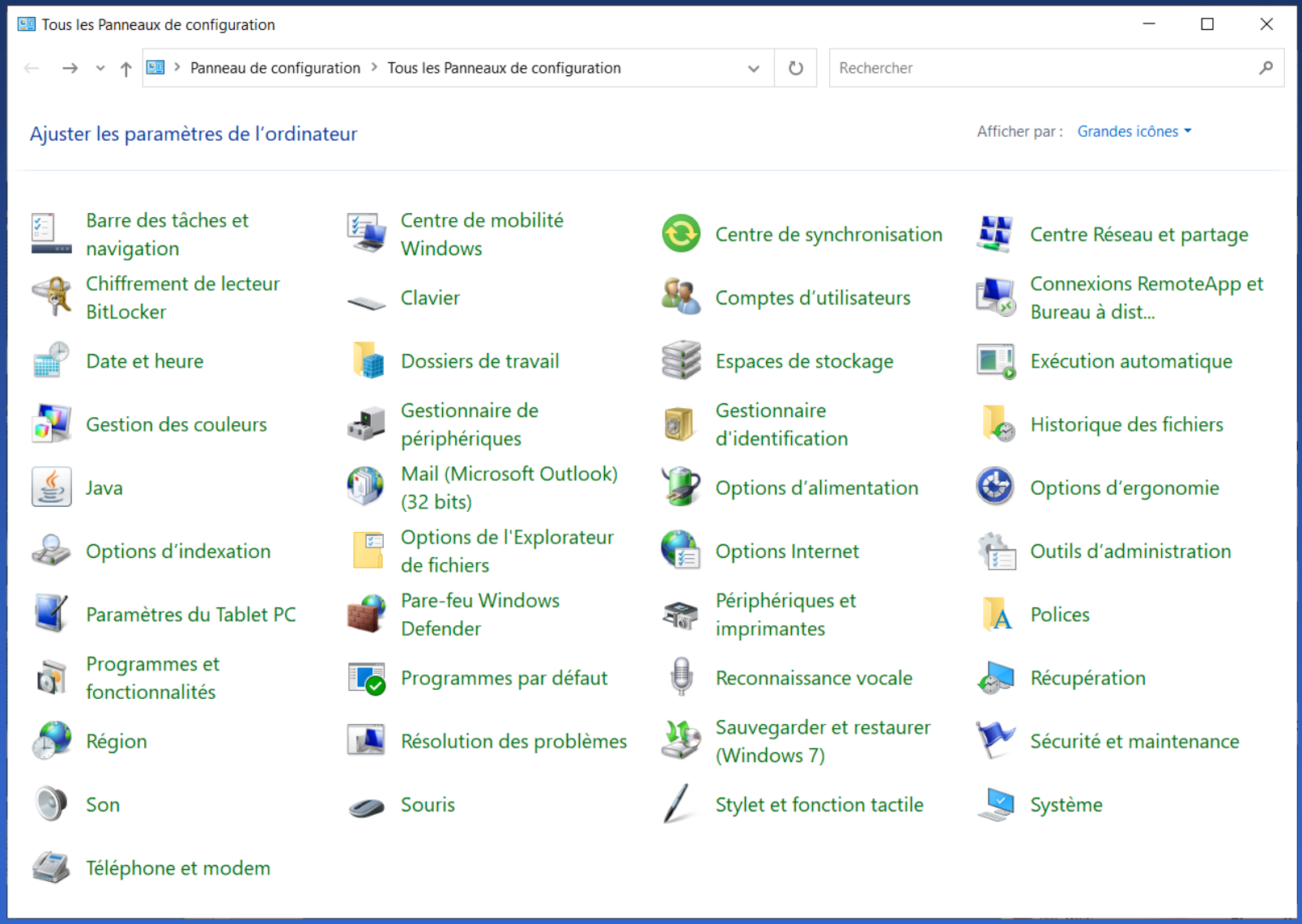




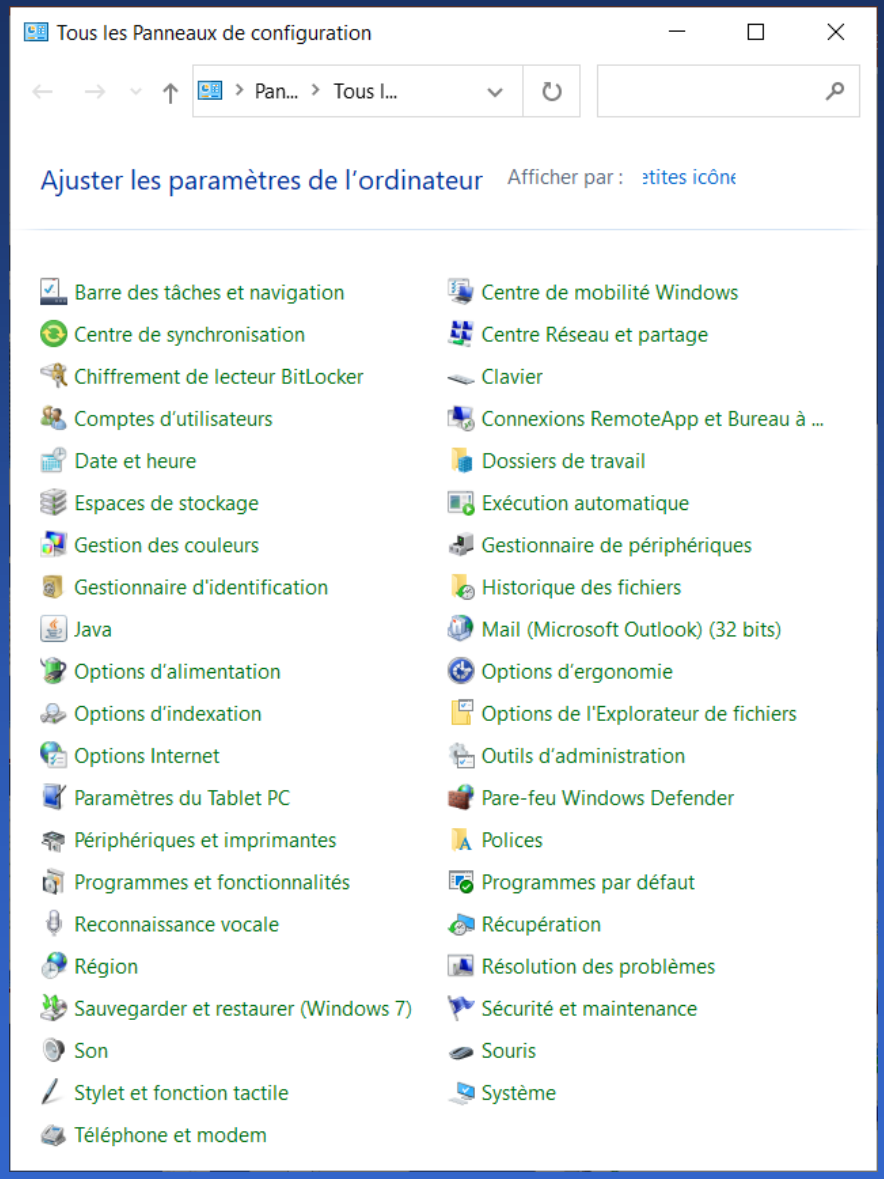
- Management console
  - `MMC . EXE`

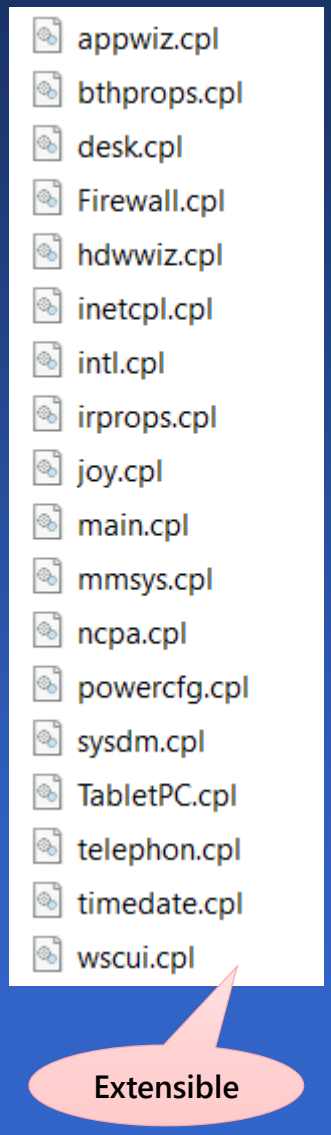
Control panel

⊞ + R control



Behind the control panel



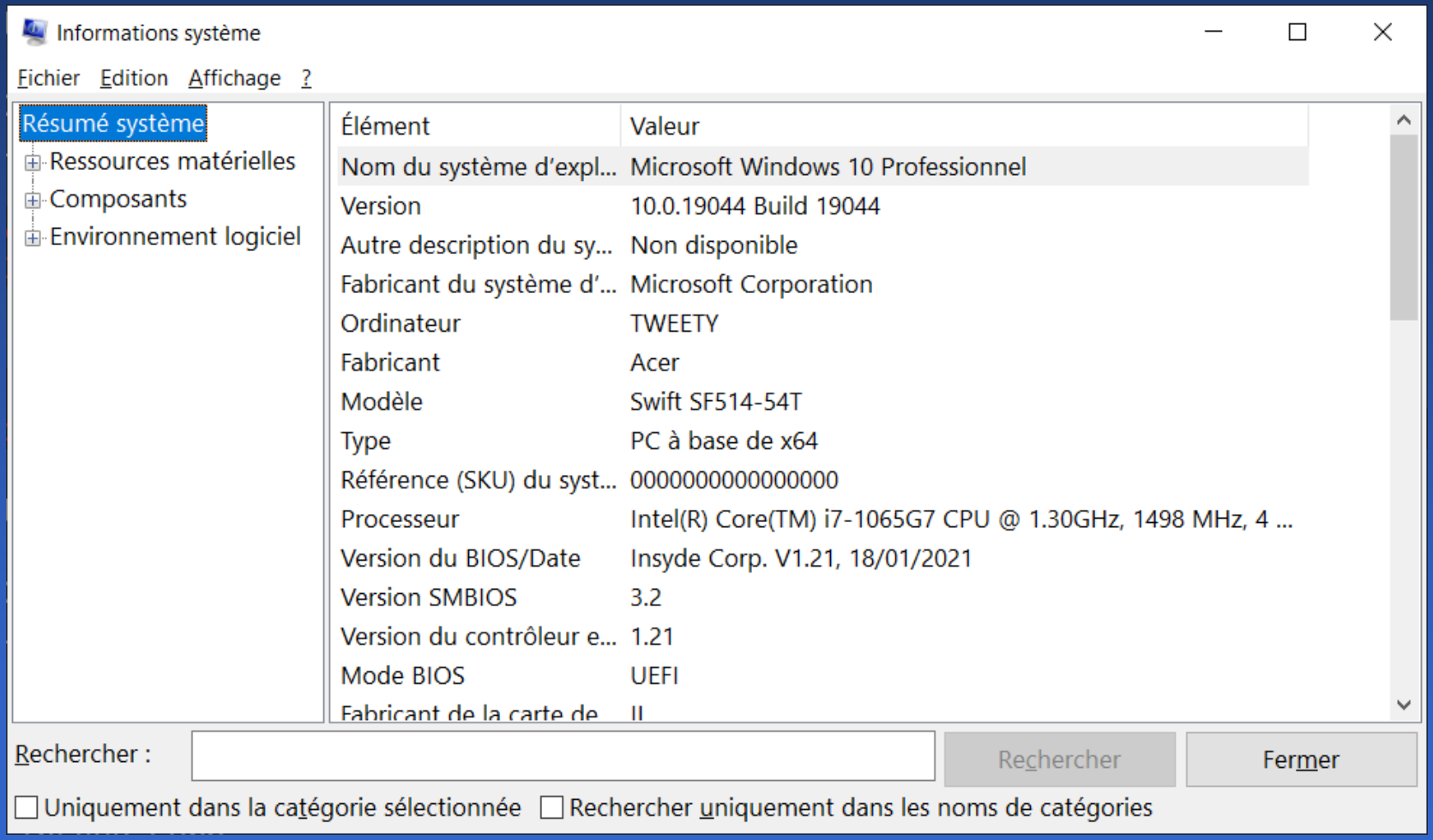


System tools

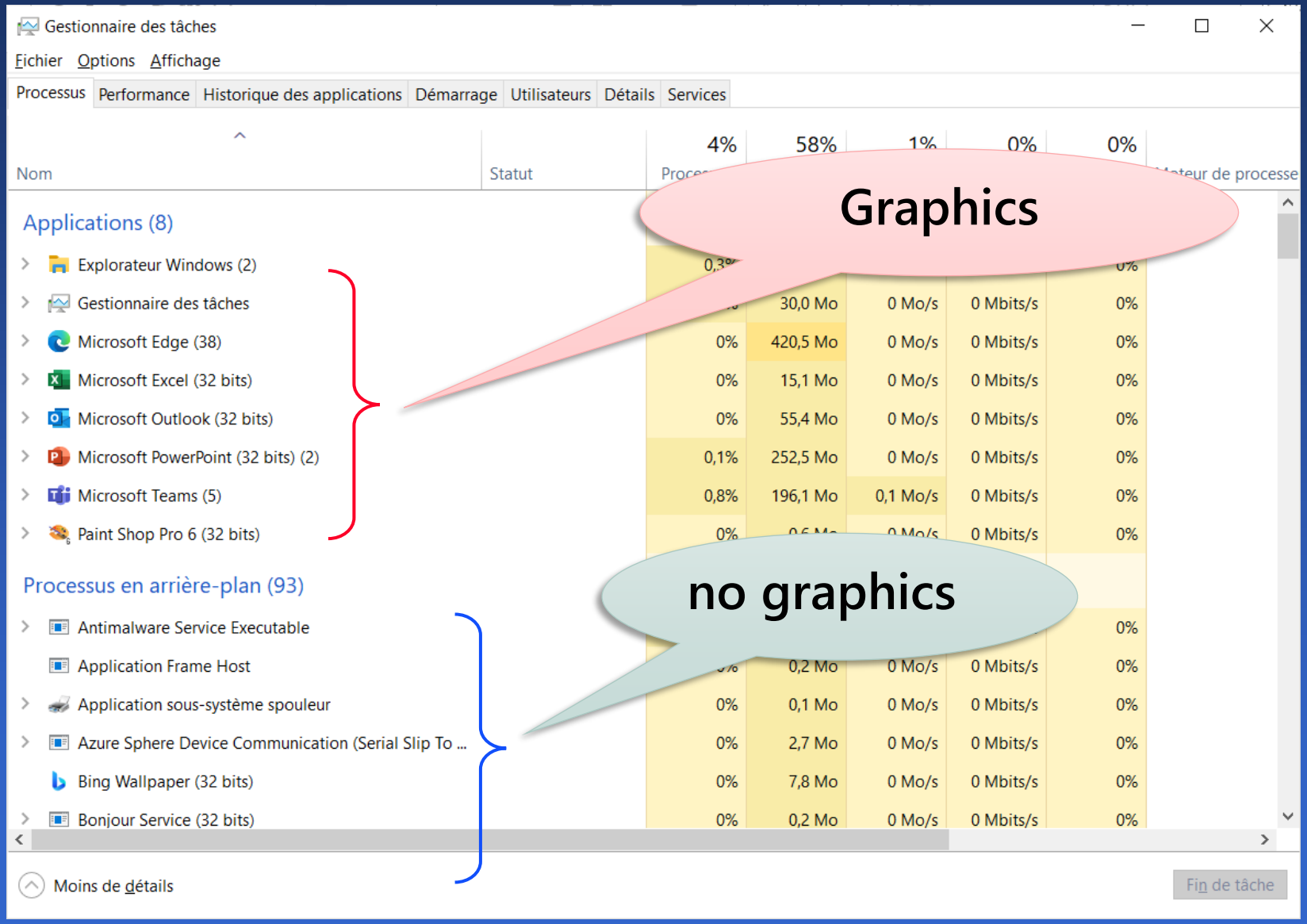
- Windows Admin Tools
  - MMC snap-ins
  - Local tools
    - Defrag.
    - Disk cleanup

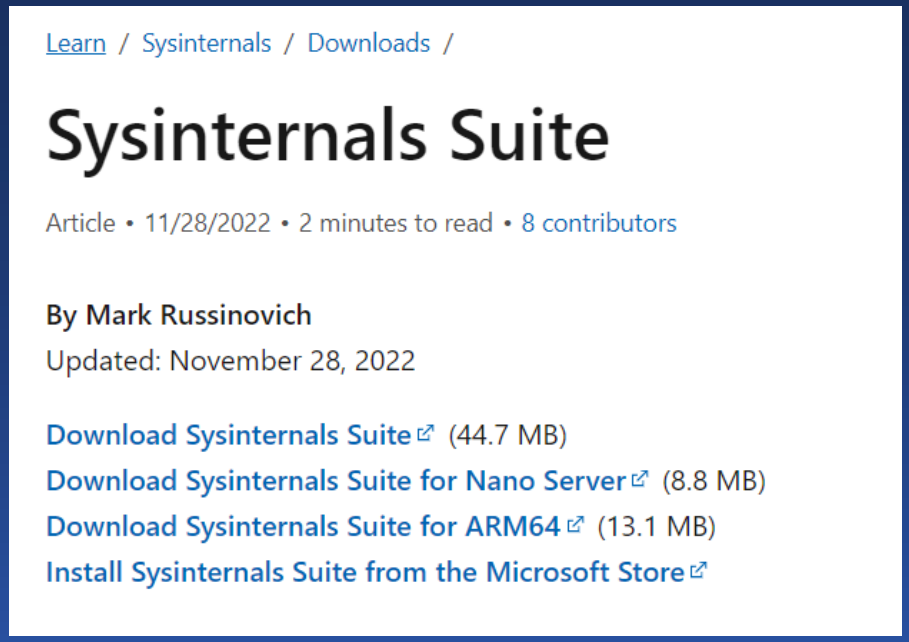
Hard & Soft summary

- Launch MSinfo32.exe



Task manager



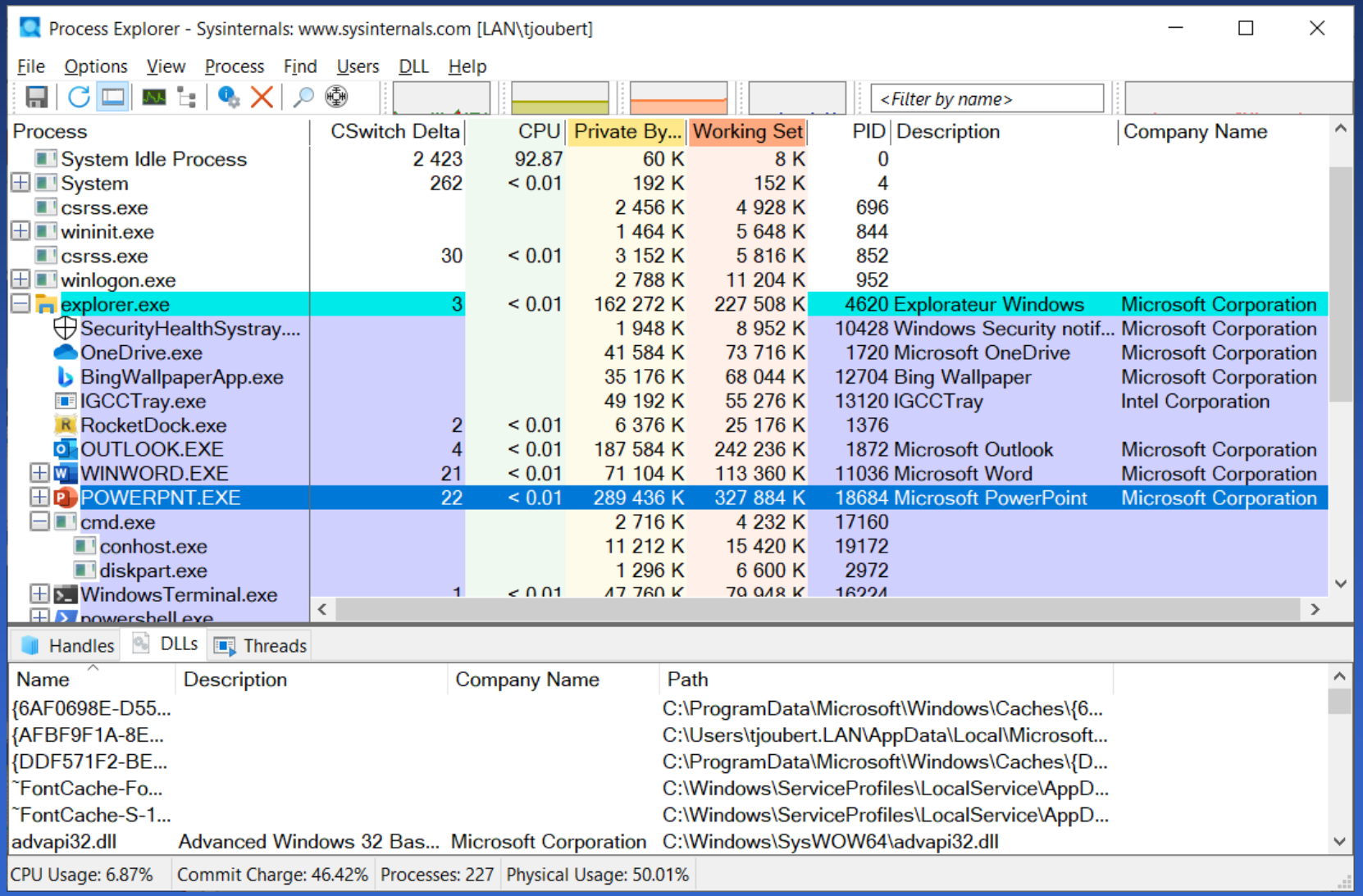


External tools

GUI and CLI

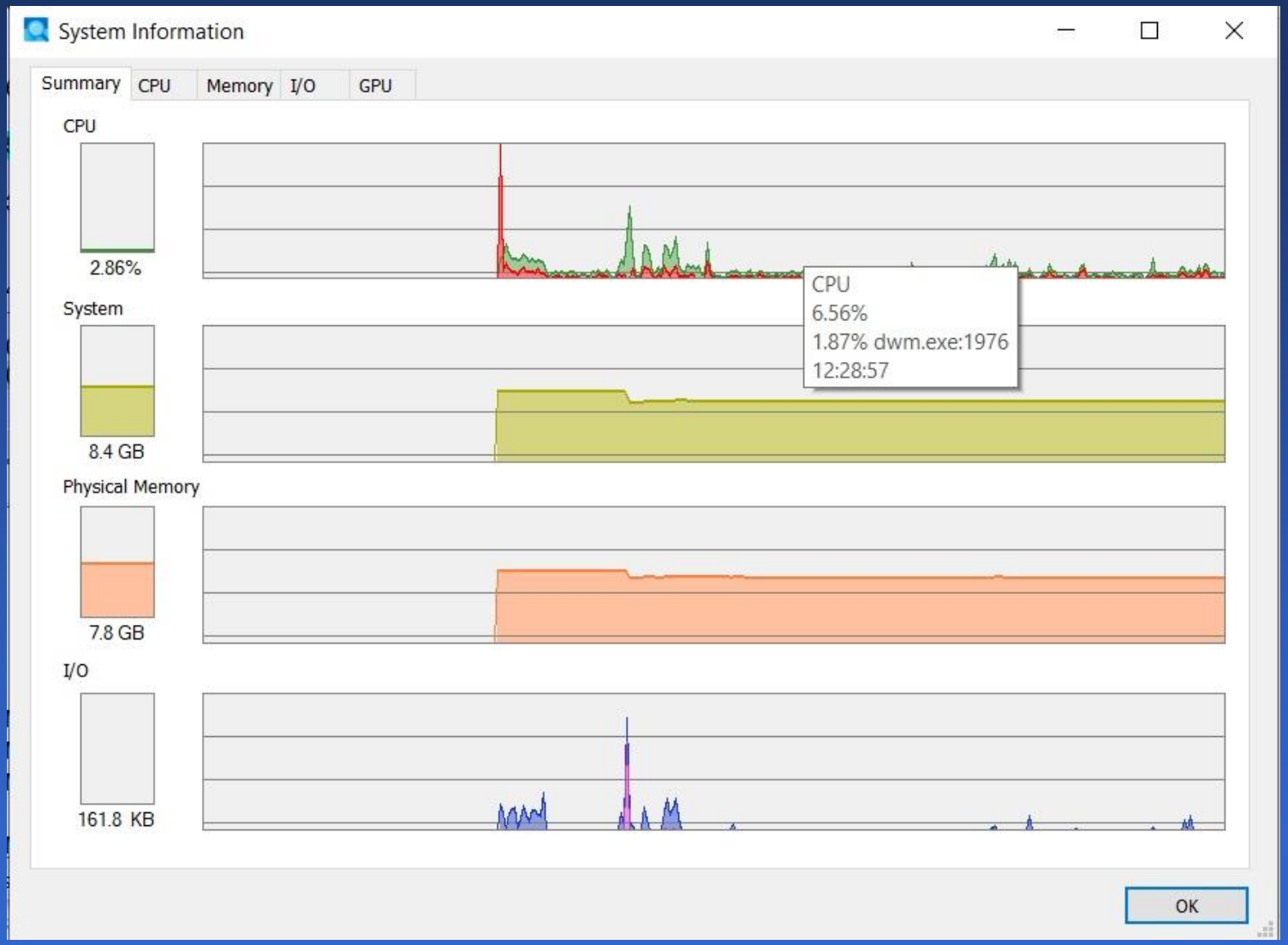
Windows Sysinternals

Process Explorer

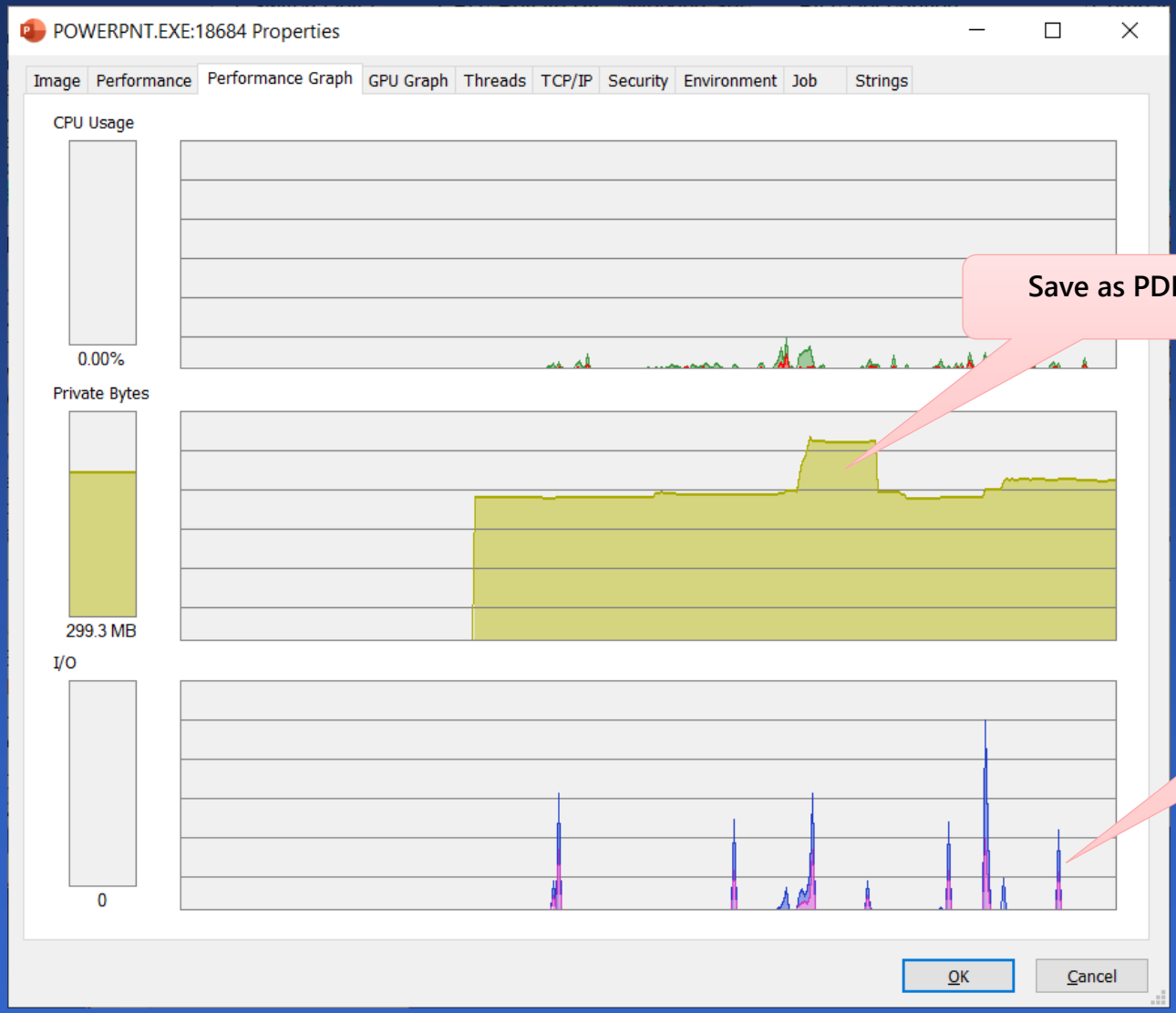


Windows Sysinternals

Procexp - System load



Procexp - Process load



Windows Sysinternals

ProcMon – Process activity