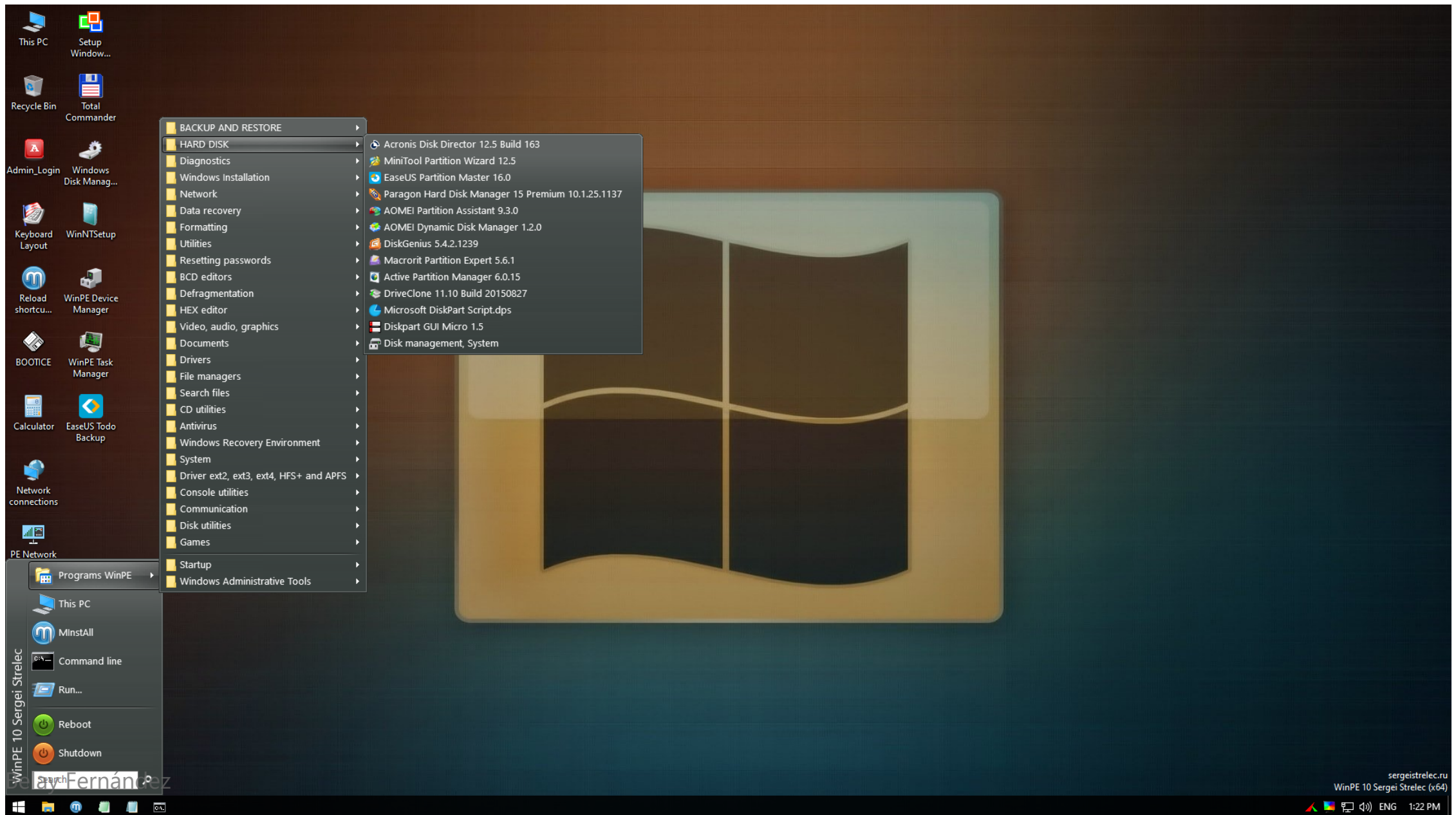


# WinPE Sergei Strelec



- Que é?
- Primeiros pasos
- Dos-Menu
  - Dos-Menu: HDD Regenerator
  - Dos-Menu: HDD Regenerator
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  - WinPE Sergei Strelec. Outras ferramentas de diagnóstico.
  - WinPE Sergei Strelec.
  - Backup e restauración.

# Que é?

- Main Menú, que inclúe diferentes versións de Strelec en función da arquitectura e do sistema operativo.
- DOS-Menu, ferramentas cun uso concreto como é a validación do disco, memoria ram,...

### WinPE Sergei Strelec

#### Main menu

```
Boot USB Sergei Strelec Win10 (x64)
Boot USB Sergei Strelec Win10 (x86)
Boot USB Sergei Strelec Win8 (x86)
Boot USB Sergei Strelec Win8.0 (x86) Native (Old PC)
Search & Start Windows 7/8 [Windows\system32\winload.exe]
Grub4Dos-menu
```

Please select the boot option and press 'Enter'

#### DOS-menu

```
HDDaRTs
HDD Regenerator 2011
HDDaT2
HDDaT2
```

# Dos-Menu

- Documentación

- ```
00 : 00 : 03  
HDD Regenerator v2011  
  
HDD Regenerator serves to repair bad sectors on damaged hard drives without any loss of the existing data. It supports many types of drives and can be used with any file system including FAT, NTFS, ext4 hfs+ etc. Unformatted and unpartitioned disks are also supported.  
  
Processing HDD 1: 8192 Mb in 16777216 sectors  
  
Mode Prescan  
4.24% ██████████  
  
Scanned 348 Mb (713360 sectors)  
B - bad sectors found  
D - delays detected
```
- Belay-Fernández
- Copyright(C) Dmitriy Primochenko
- ESC to pause or terminate

# Dos-Menu: HDD Regenerator

```
Last Session: 8192 Mb scanned at 84 Mb/sec in 0 h 01 min

Total Statistics on HDD 1: 8192 Mb in 16777216 sectors

1. List sectors scanned           Complete scans done: 1
2. List this session sectors
3. List all sectors              D - 0 delays detected
4. Clear Drive Map statistics     B - 0 sectors remain bad
                                R - 0 sectors recovered
                                M - 0 new bad sectors appear
                                R - 0 bad sectors reappear

Enter choice [ ]

Press ESC to exit                PROCESS COMPLETED

For main menu press 'SPACE'
```

# Dos-Menu: HDAT21

- Permite o diagnóstico e a reparación do disco.

```
HDAT2 v7.0 (c) 2020 CBL 07.04.2023 12:35:21
Device list (UBOX CD-ROM)
Type Nr. Device name BIOS LBA Capacity
FDD 1 Generic floppy drive 00h 32 4.10 GB
PATAPI 2! UBOX CD-ROM 00h 48 8.59 GB
SATA 3 UBOX HARDDISK
CTRL=PATA/Secondary/Master Base/Ctrl=0170h/0376h IRQ=15 Mode=UDMA2/ATA33
Device=PATAPI (CD-ROM)
Speed=32x read
SMART: NOT_SUPPORTED POWER: ACTIVE
ATA_MODE: UDMA2/ATA33 [max. UDMA6/ATA133]
! Move D re-Detect S Setup ENTER Menu ESC Exit
```



## Dos-Menu: Memtest86

- Permite realizar probas a memoria RAM dun computador.
  - O CD inclue tamén **MemTest86 PassMark** que é moi semellante.

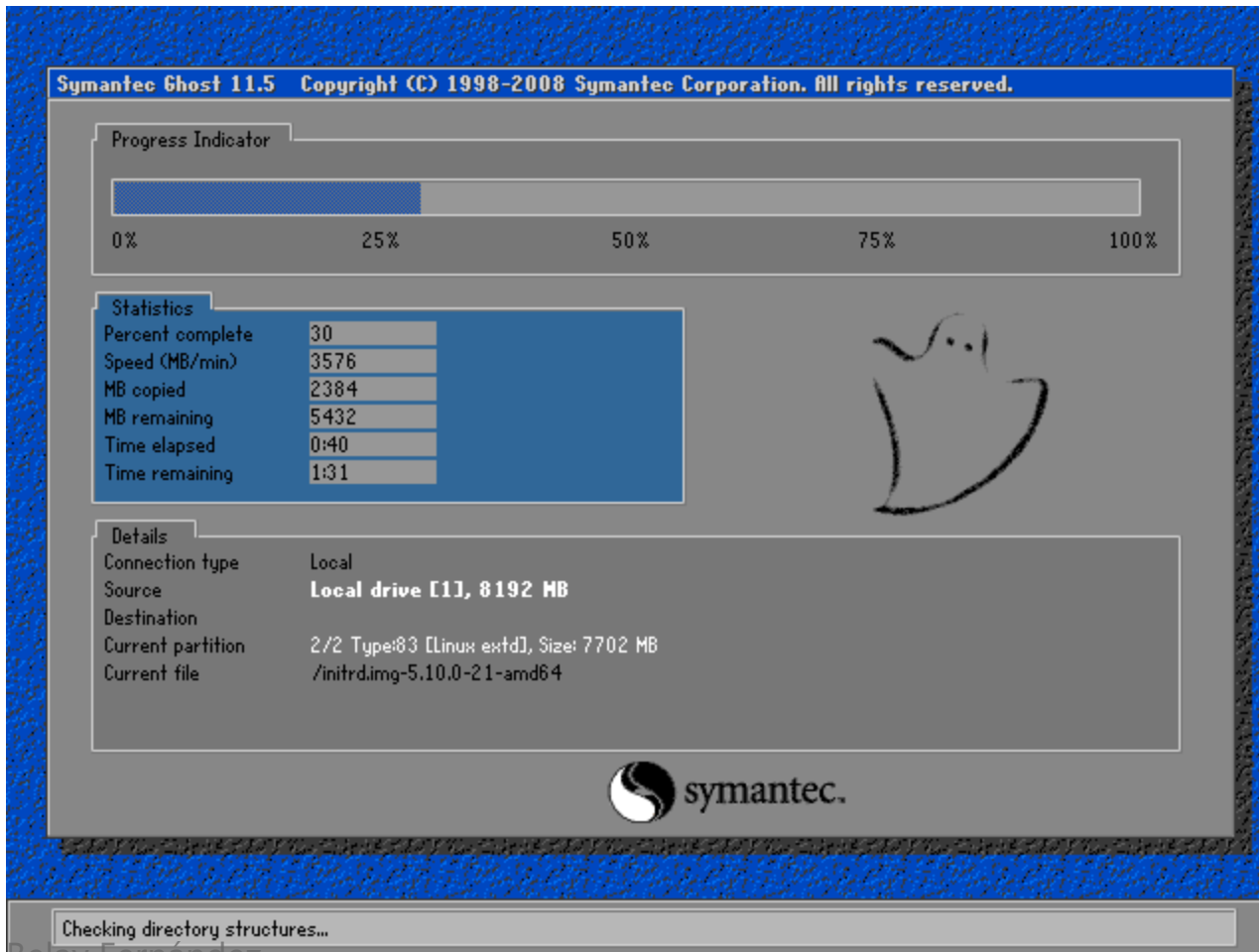
```
Memtest86 5.01 | AMD Ryzen 7 5800H with Radeon Graphics
CLK: 3195 MHz (32b Mode) | Pass %
L1 Cache: 32K 319520 MB/s | Test %
L2 Cache: 512K 159760 MB/s | Test #
L3 Cache: 16M 118341 MB/s | Testing:
Memory : 4022M | Pattern: | Time: 0:00:00
-----
Core#: | Chipset : Unknown
State: | Memory Type : Unknown
Cores: Active / Total (Run: All) | Pass: 0 Errors: 0
-----

Press F1 to enter Fail-Safe Mode
==> Press F2 to force Multi-Threading (SMP) <==

(ESC)exit (c)configuration (SP)scroll_lock (CR)scroll_unlock
```

# Dos-Menu: Symantec Ghost

- Permite analizar o disco duro, crear imaxes dos discos, particións, restaurar imaxes.
- [Manual de uso](#)



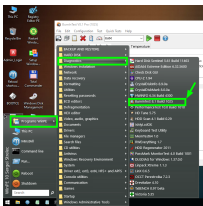
# WinPE Sergei Strelec.

- O sistema WinPE Sergei Strelec precisa os seguintes recursos:
  - 1 GB de RAM
  - Un dispositivo dende o que bootear (CD/USB/...)
- O SO ven cargado de ferramentas para o diagnóstico e a realización de probas do sistema.

# WinPE Sergei Strelec. BurnIn Test

- Este software vai nos permitir **estresar** todos os componentes do computador e tamén personalizar o test.
- **Recomendase** que empreguemos esta ferramenta antes de entregar ao cliente un equipo ou cando mercamos un novo computador para verificar o seu funcionamento.
- Proporciona ate 11 tests diferentes que se poden configurar por separado ou nunha combinación deles.

•



This PC

Registry Editor PE

Recycle Bin

Restart Window...

Admin\_Login

Setup Window...

Reload shortcut...

Total Commander

BOOTICE

Windows Disk Management

Calculator

WinNTSetup

Network connections

WinPE Device Manager

PE Network 0.59.B12

WinPE Task Manager

RamDisk

BurnInTest V8.1 Pro (1025)

File Edit Configuration Test Quick Tests Help

System Information

Burn In Res

RAM

Current configuration

Last loaded config.

Script

Maximum CPU temp.

CPU coverage

RAM

Local disk scan

Removable disk scan

Test configuration file: LastUsed

Start time: Fri Apr 07 12:53:19 2023

Status: IDLE

Duration: 000h 00m 13s

Results for StrelecPE

| Test Name    | Cycle | Operations     | Errors | Last Error Description |
|--------------|-------|----------------|--------|------------------------|
| Memory (RAM) | 0     | 52.691 Million | 0      | No errors              |

☐ View errors by categories

Ready

## WinPE Sergei Strelec. Outras ferramentas de diagnóstico.

- Análise do disco duro:
  - **CristalDiskInfo**, obtemos os datos do disco e a información SMART.
  - **CristalDiskMark**, permítenos realizar un test de estrés obtendo a velocidade de lectura e escritura dun disco.
  - **HDDScan**, ferramenta de pago que nos permite realizar o mesmo que as dúas anteriores. Os **test** permite entre: verificación. lectura, escritura, borrado e *mariposa*.
  - **HDD Tune**, permítenos realizar test de carga sobre o disco e a vez monitorizar a velocidade. Inclúe outras opcións como o escaneo de erros, o borrado, ...

## WinPE Sergei Strelec. Outras ferramentas de diagnóstico.

- Teclado
  - **Keyboard TestUtility**,
- Comprobar o hardware instalado.
  - Aida64
  - CPU-Z
- Comprobar o monitor
  - IsMyLCDOK, permítenos realizar diferentes probas sendo interesante as opcións vertical, horizaontal, paint lines (f4),...

# WinPE Sergei Strelec.

## Backup e restauración.

- Neste menú inclúense unha chea de ferramentas para a xestión de imaxes como son:
  - Acronis
  - AOEMEI
  - Macrium
  - Veritas
  - Symatec Ghost



## WinPE Sergei Strelec. Ferramentas destacadas:

- Recuperación de datos:
  - Data recovery > EaseUS Data Recovery ou O&O Disk
- Formateo de discos:
- Reseteo de claves
  - Resetting Passwords