



# Desmistificando o Linux





# Snyder Macedo

Eterno estudante, que não recusa um bom filme e nem o bom e velho Rock 'n Roll.

Apaixonado por tecnologia, games, música e animes; entusiasta Linux há mais de 10 anos.



# Disclaimer

- OS - perfeito?!
- Dúvidas? Pergunte!
- Seja curioso



# Topics

1. História do Linux
2. O que é Linux?
3. Aonde está o Linux?
4. Distribuições Linux
  - a. Categorias
  - b. Ambiente Gráfico
5. Os Softwares
6. Programação
7. Games no Linux



# História

1970- Unix | AT&T Bell | Linguagem C

1977- BSD Baseada na versão 6 do Unix  
FreeBSD, NetBSD, OpenBSD

1987- Minix | Andrew Stuart Tanenbaum

1991- 25 de agosto  
Jovem estudante da Universidade de  
Helsinki enviou o seguinte e-mail:



Olá a todos que estão usando minix -

Eu estou fazendo um sistema operacional livre (é apenas um hobby, não será grande e profissional como o gnu) para os clones AT 386(486). Está sendo desenvolvido desde abril e está quase pronto. Gostaria de receber qualquer feedback sobre o que as pessoas gostam/não gostam no minix, uma vez que o meu SO se parece um pouco com ele (mesmo layout físico de sistema de arquivos (devido a razões práticas) entre outras coisas.

No momento eu o portei para [bash\(1.08\)](#) e [gcc\(1.40\)](#), e as coisas parecem funcionar. Isso implica que irei conseguir algo prático dentro de poucos meses e gostaria de saber quais características a maioria das pessoas gostaria que tivesse. Quaisquer sugestões são bem-vindas, mas não prometo que eu vá implementá-las :-)

Linus ([torvalds@kruuna.helsinki.fi](mailto:torvalds@kruuna.helsinki.fi))

PS. Sim — ele não tem nenhum código minix, e possui um [fs multitarefa](#). Ele NÃO é portável (usa [troca de contexto](#) 386, etc), e provavelmente nunca será compatível com nada além de discos rígidos AT, uma vez que isso é tudo o que eu tenho :-(.

— Linus Torvalds [\[11\]](#)

# História



Nome- “Freax” uma mistura de “freak”, que significa “estranho”, com Unix

1895- FSF Free Software Foundation  
GPL | Projeto GNU | Richard Stallman



Liberdade 0: Executar o programa para qualquer propósito desejado.

Liberdade 1: Estudar como o programa funciona, e alterá-lo para que ele funcione da maneira que você deseja.

Liberdade 2: Redistribuir cópias do software de modo que você possa ajudar seu próximo.

Liberdade 3: Melhorar o programa, e liberar as melhorias para o público, de modo que toda a comunidade seja beneficiada.

Ter acesso ao código fonte é essencial também para isso.



# Software Livre | Open Source

# O que é Linux?









Pop!\_OS

# Workflow and Customization

*Pop!\_OS 21.04 features a new, simple, and speedy desktop experience.*



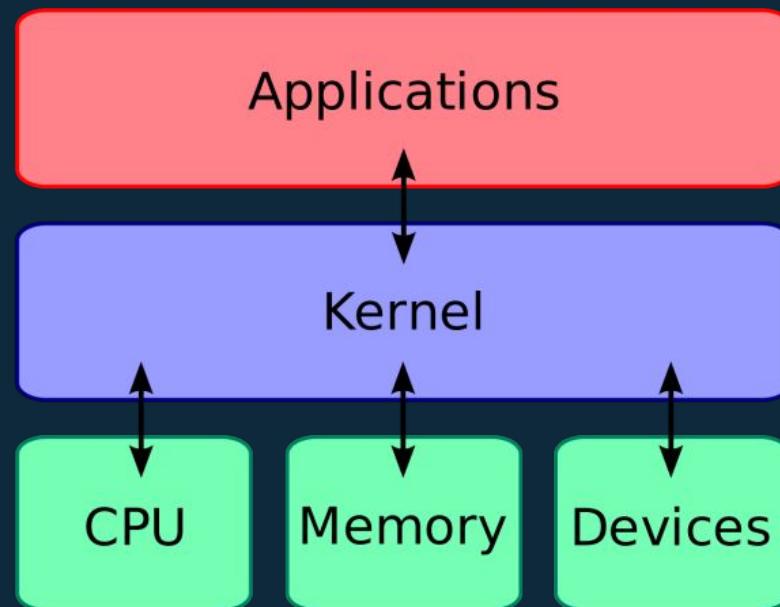


# O que é Linux?

Linux é um Sistema Operacional,  
tal como o Windows e o Mac OS

- ◆ Open Source
- ◆ Estável
- ◆ Seguro
- ◆ Versátil

# Kernel Linux





# Plataforma de Desenvolvimento



# Aonde está o Linux?

# Arquitetura da plataforma



O Android é uma pilha de software com base em Linux de código aberto criada para diversos dispositivos e fatores de forma. O diagrama a seguir mostra a maioria dos componentes da plataforma Android.

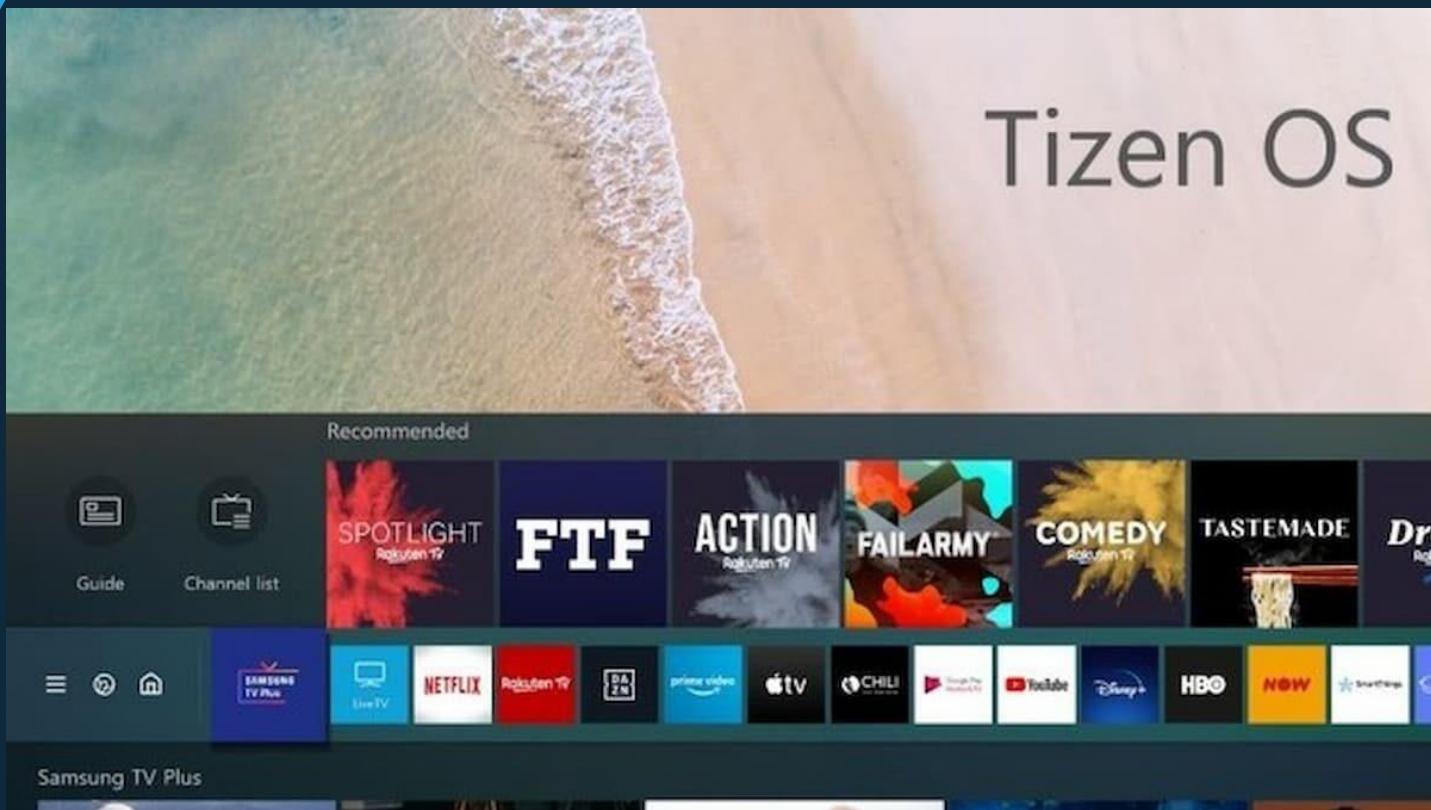
## Kernel do Linux

A fundação da plataforma Android é o kernel do linux. Por exemplo: o [Android Runtime \(ART\)](#) confia no kernel do Linux para cobrir funcionalidades como encadeamento e gerenciamento de memória de baixo nível.

Usar um kernel do Linux permite que o Android aproveite os [recursos de segurança principais](#) e que os fabricantes dos dispositivos desenvolvam drivers de hardware para um kernel conhecido.

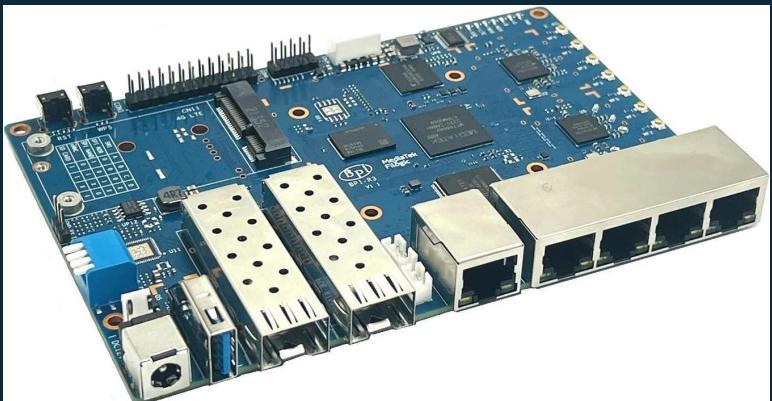
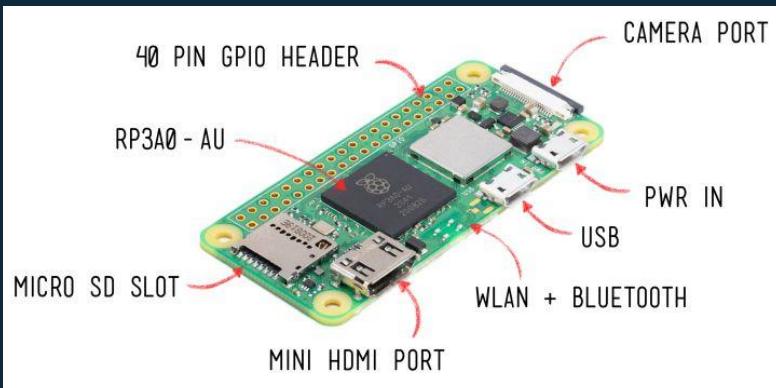
<https://developer.android.com/guide/platform?hl=pt-br>

# Tizen OS



Powered by  
webOS









# SpaceX lança astronautas ao espaço com suporte do Linux

Computadores do foguete Falcon 9 utilizam o software em uma versão simplificada e segura executada em três PCs

Fabiana Rolfini | 05/06/2020 12h51



<https://tinyurl.com/22jna9c8>

# Linux chega a Marte a bordo da Ingenuity

Por **Rafael Rigues**, editado por **André Lucena** | 22/02/2021 10h10, atualizada em 22/02/2021 18h50



<https://tinyurl.com/4y2bzrhb>

*Ilustração imagina voo do helicóptero Ingenuity em Marte*



| Rank | System   | Cores     | Rmax<br>(PFlop/s) | Rpeak<br>(PFlop/s) | Power<br>(kW) |
|------|--|-----------|-------------------|--------------------|---------------|
| 1    | <b>Frontier</b> - HPE Cray EX235a, AMD Optimized 3rd Generation EPYC 64C 2GHz, AMD Instinct MI250X, Slingshot-11, HPE<br>DOE/SC/Oak Ridge National Laboratory<br>United States | 8,699,904 | 1,194.00          | 1,679.82           | 22,703        |
| 2    | <b>Supercomputer Fugaku</b> - Supercomputer Fugaku, A64FX 48C 2.2GHz, Tofu interconnect D, Fujitsu<br>RIKEN Center for Computational Science<br>Japan                          | 7,630,848 | 442.01            | 537.21             | 29,899        |
| 3    | <b>LUMI</b> - HPE Cray EX235a, AMD Optimized 3rd Generation EPYC 64C 2GHz, AMD Instinct MI250X, Slingshot-11, HPE<br>EuroHPC/CSC<br>Finland                                    | 2,220,288 | 309.10            | 428.70             | 6,016         |





## LIST STATISTICS

R<sub>max</sub> and R<sub>peak</sub> values are in GFlops. For more details about other fields, check the TOP500 description.

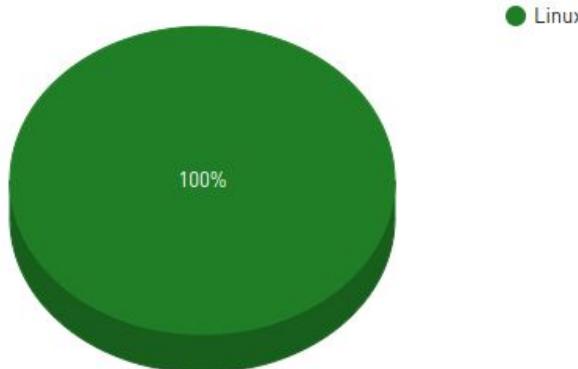
TOP500 Release

June 2023

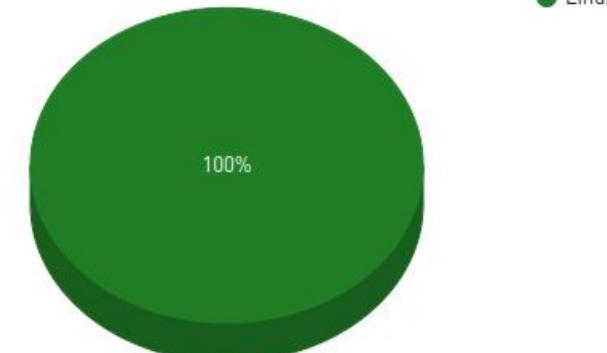
Category

Operating system Family

Operating system Family System Share



Operating system Family Performance Share



<https://www.top500.org/statistics/list/>

Amazon Linux 2023 (AL2023) provides an application environment that offers long-term support with access to the latest innovations in Linux.



<https://aws.amazon.com/pt/linux/amazon-linux-2023/>

# What is the Azure Linux Container Host for AKS?

Article • 06/05/2023 • 2 contributors

 Feedback

## In this article

[Azure Linux Container Host key benefits](#)

[Next steps](#)

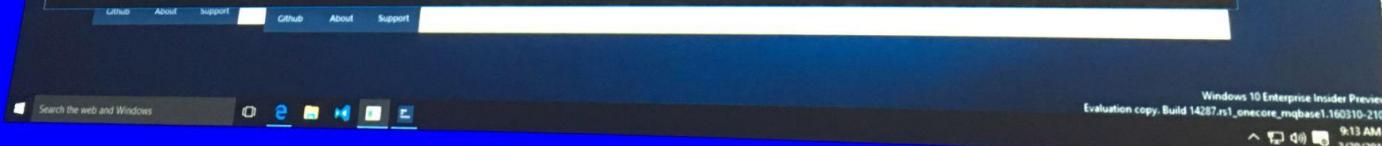
The Azure Linux Container Host is an operating system image that's optimized for running container workloads on [Azure Kubernetes Service \(AKS\)](#). It's maintained by Microsoft and based on Microsoft Azure Linux, an open-source Linux distribution created by Microsoft.

The Azure Linux Container Host is lightweight, containing only the packages needed to run container workloads. It's hardened based on significant validation tests and internal usage and is compatible with Azure agents. It provides reliability and consistency from cloud to edge across AKS, AKS for Azure Stack HCI, and Azure Arc. You can deploy Azure Linux node pools in a new cluster, add Azure Linux node pools to your existing clusters, or migrate your existing nodes to Azure Linux nodes.

To learn more about Azure Linux, see the [Azure Linux GitHub repository](#).

<https://learn.microsoft.com/en-us/azure/azure-linux/intro-azure-linux>

```
kevin@localhost:$ ls
#log.txt#  boot  dev  init  log.txt  mnt  root  srv  usr
acct    cache  etc  lib  lost+found  opt  run  sys  var
bin     data   home lib64 media      proc  sbin  tmp
kevin@localhost:$ cd /mnt/
c/ d/ e/ f/
kevin@localhost:$ cd /mnt/c/
kevin@localhost:$ cd server/
kevin@localhost:$ cd js
kevin@localhost:$ emacs
```



# Experiência Pessoal

americanas



# Distribuições Linux



Uma Distribuição Linux é basicamente a junção do Kernel Linux com ferramentas livres ou proprietárias, adequando os softwares conforme a proposta da distribuição.

- Gaming
- Servidores
- Virtualização
- Container
- Segurança
- Teste de Inovação
- NAS
- Firewall
- Audio e Video



## Beginner-friendly



 Ubuntu  
Based on Debian

 Pop!\_OS  
Based on Ubuntu

 elementary OS  
Based on Ubuntu (LTS)

 Mint  
Based on Ubuntu

 Zorin  
Based on Ubuntu

 Solus  
[Independent]

## Intermediate



 Garuda Linux  
Based on Arch

 EndeavourOS  
Based on Arch

 Manjaro  
Based on Arch

 MX Linux  
Based on Debian

 Fedora  
Based on Red Hat

 openSUSE  
[Independent]

## Hard mode



 Arch  
[Independent] – DIY

 Gentoo  
[Independent] – DIY

 Slackware  
[Independent]

 Linux From Scratch  
[Independent] – DIY

 Qubes OS  
Based on Fedora – Security

 NixOS  
[Independent] – DIY









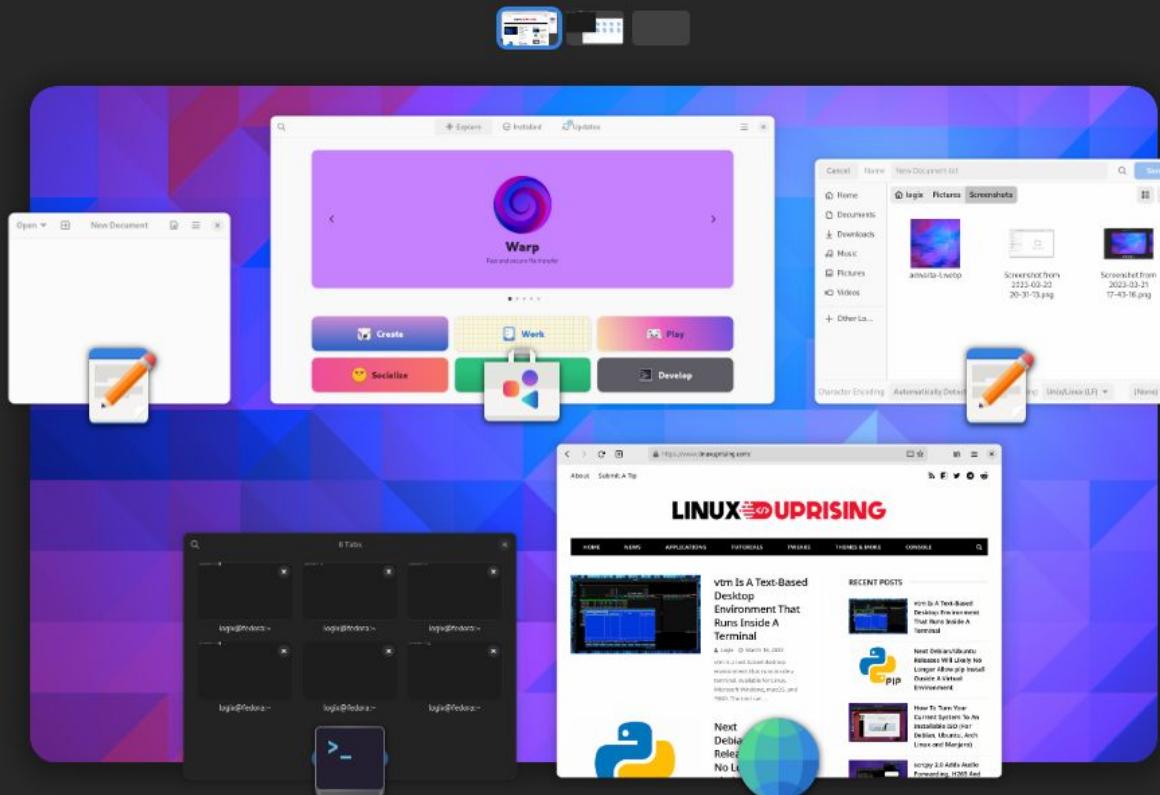
A vertical decorative sidebar on the left side of the slide features a series of overlapping hexagons in shades of blue and cyan. Each hexagon contains a white icon: a lightbulb, a thumbs-up, a network graph, two windows, a smartphone, a magnifying glass, a gear, and a speech bubble.

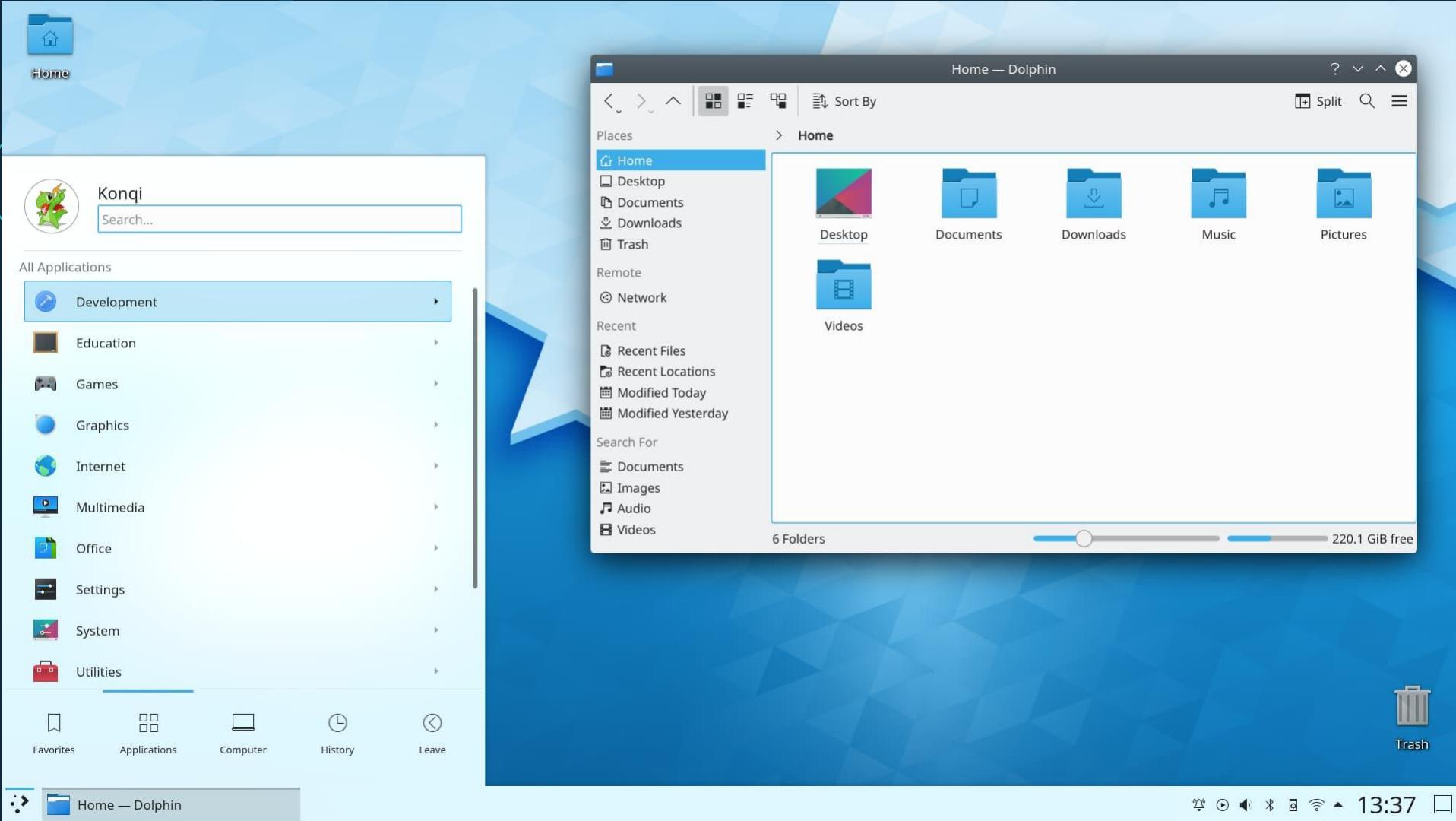
# Ambiente Gráfico

Neste tópico, veremos um pouco da variedade de ambientes gráficos que o Linux possui.

Um ponto interessante sobre o ambiente gráfico é que alguns podem ser tão leves que não chegam a consumir 300 MB de memória RAM, podendo assim até ressuscitar computadores antigos.

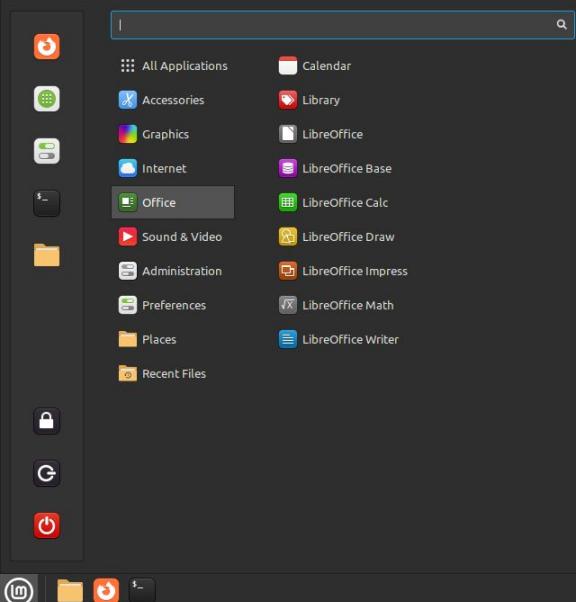
Type to search

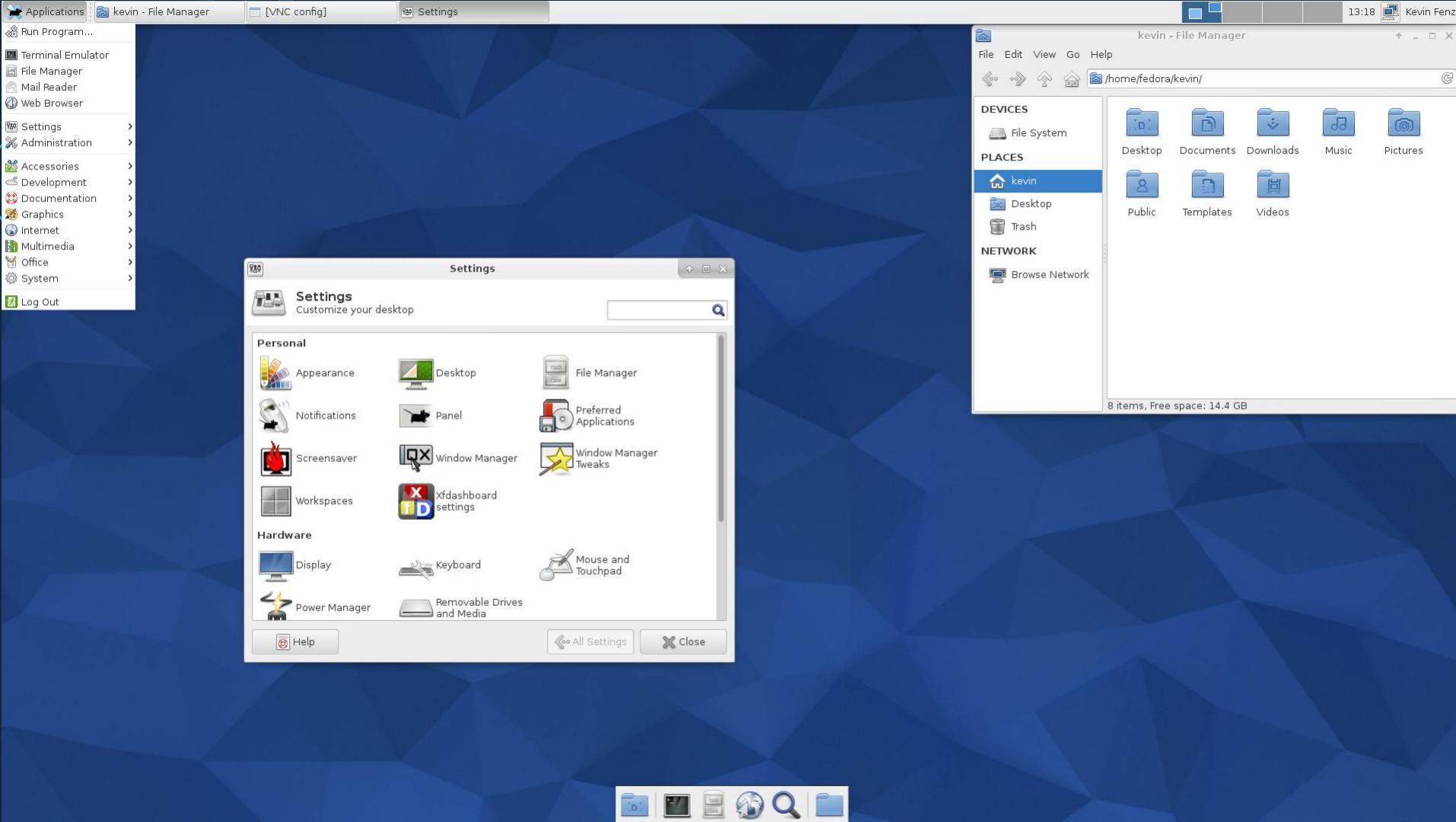


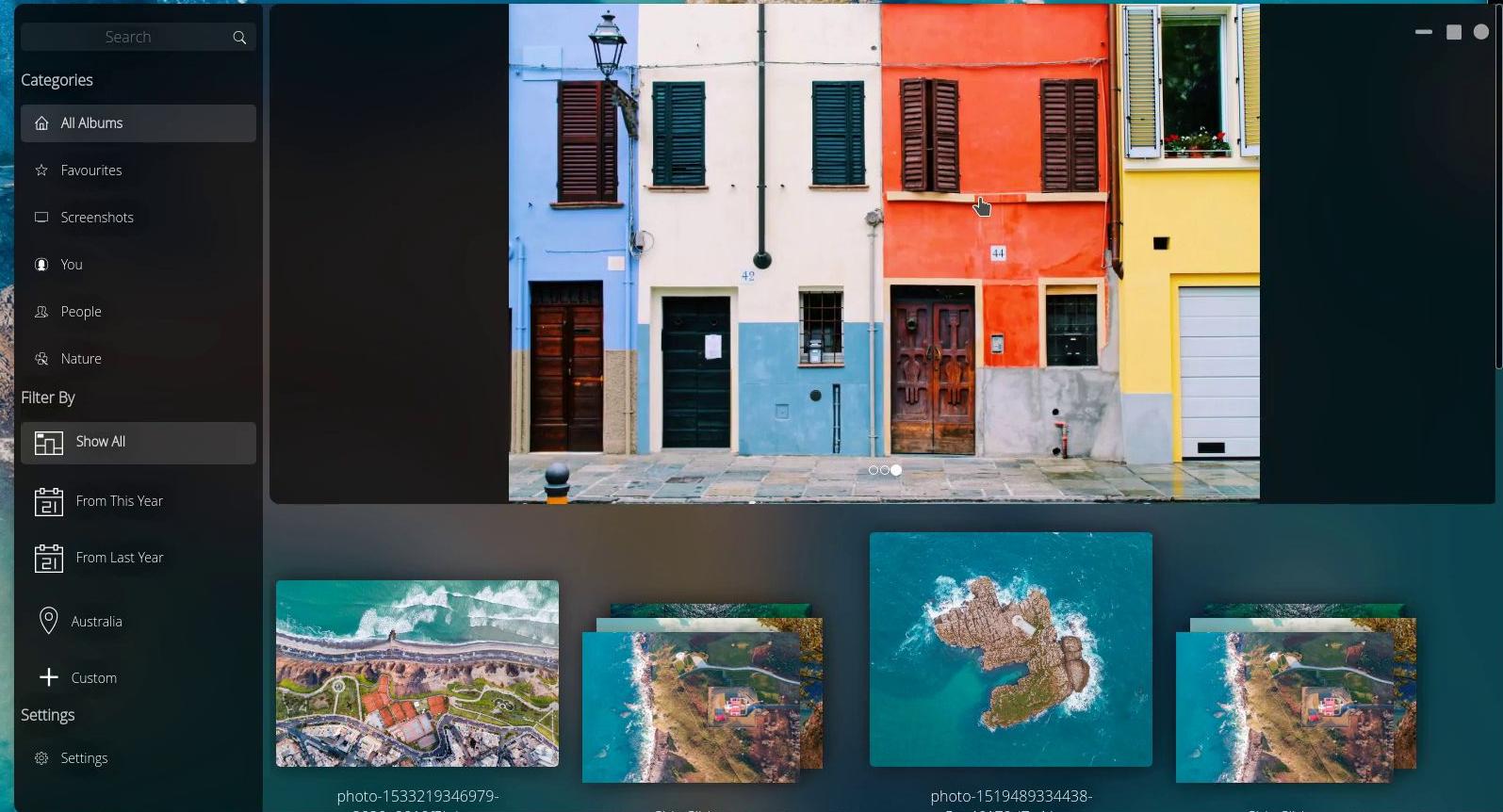




Install Linux Mint

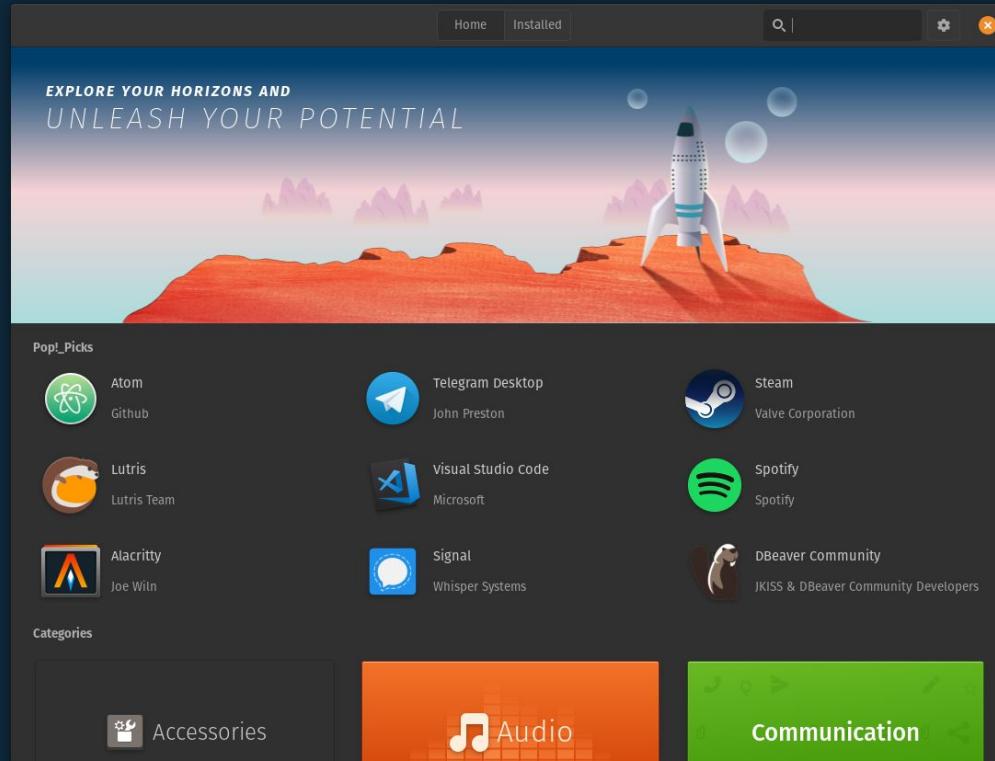


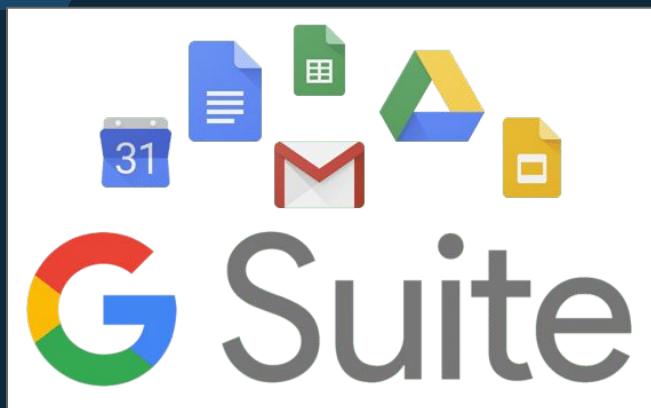


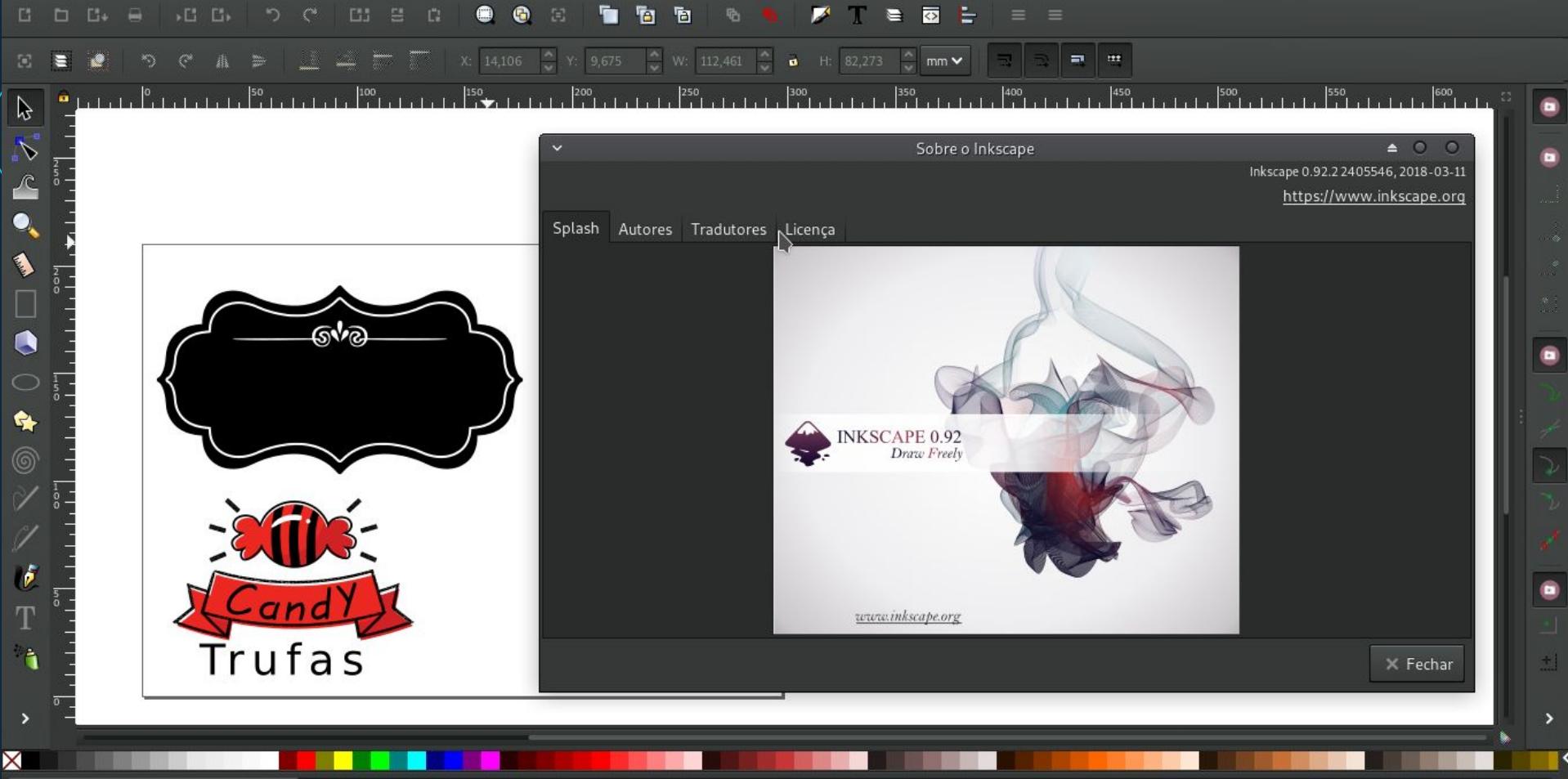




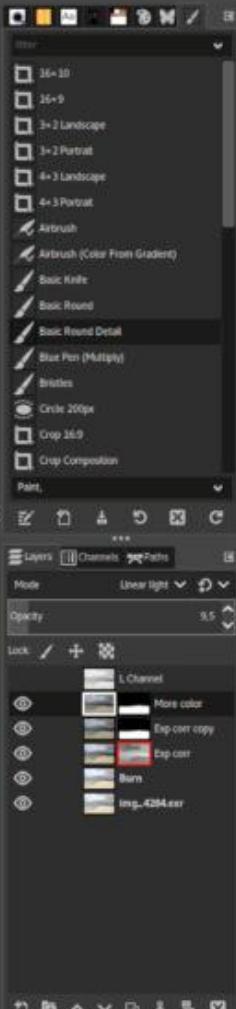
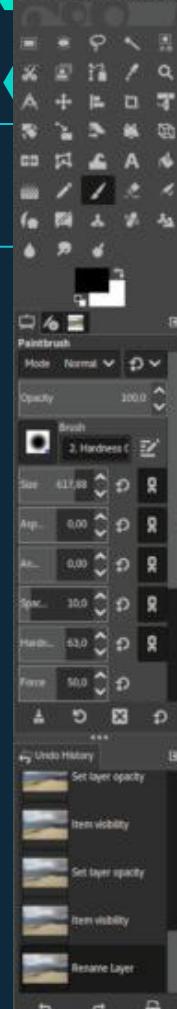
# Os Softwares

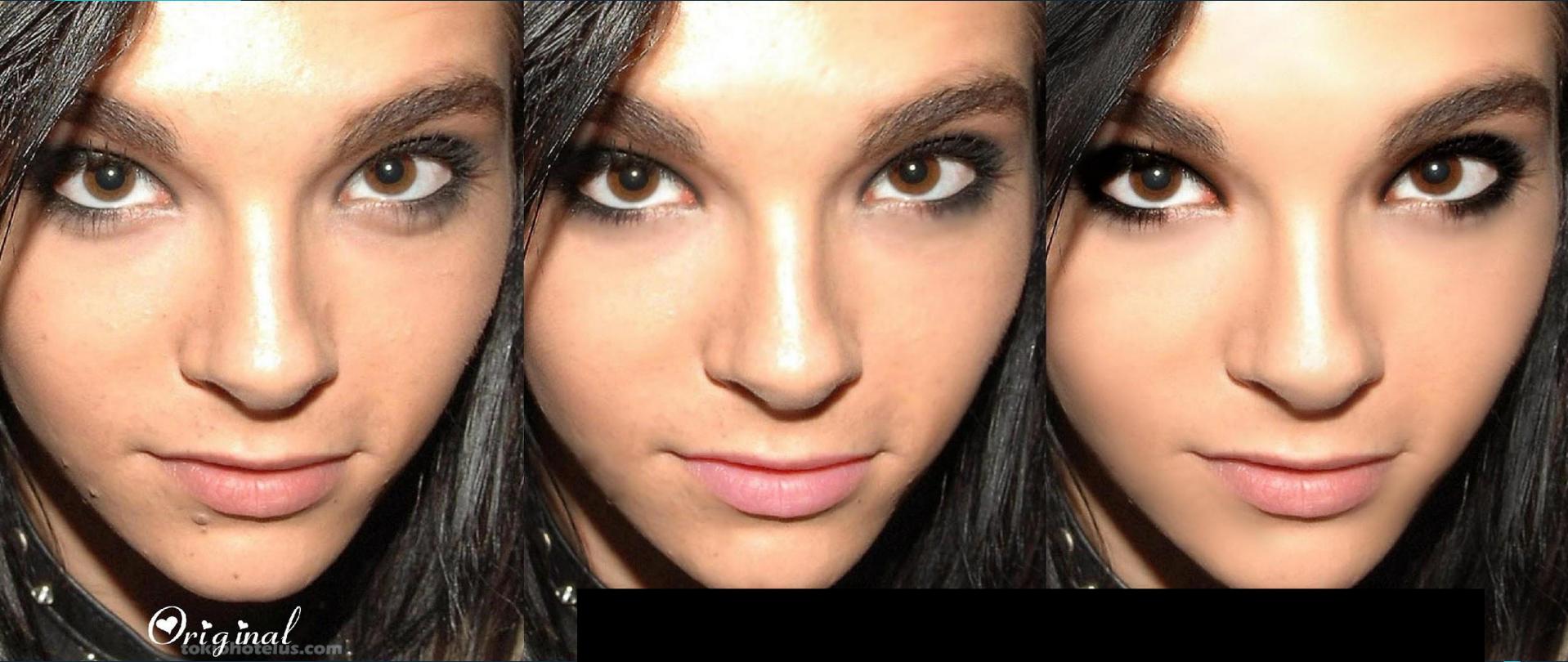






File Edit Select View Image Layer Colors Tools Filters Windows Help





Original  
[trophotofus.com](http://trophotofus.com)



import view all except rejected sort by filename

image... folder... scan for devices no supported devices found

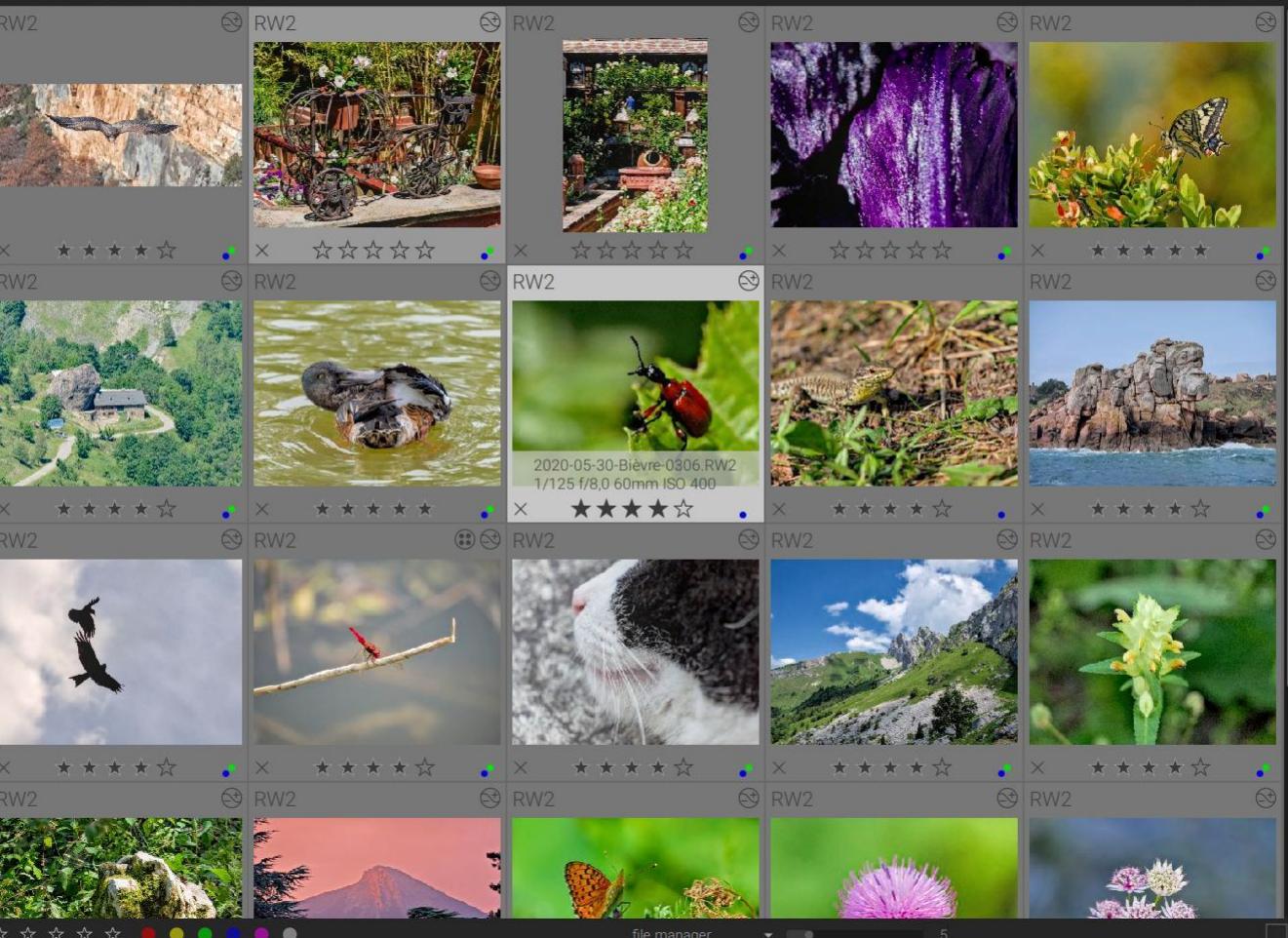
collect images color label blue

purple (5) blue (20) green (2072) yellow (87)

recently used collections

image information

filmroll Bièvre  
image id 22580  
group id 22580  
filename 2020-05-06.RW2  
version 0  
full path /home/.../06.RW2  
local copy no  
import timestamp dim. 31...12:59:03  
change timestamp dim. 07...16:52:45  
export timestamp dim. 31...15:37:06  
print timestamp -  
flags 4...r.ap...  
model DMC-GX8  
maker Panasonic  
lens OLYMPUS M.60...  
aperture f/8.0  
exposure 1/125  
exposure bias +0,00 EV  
focal length 60 mm  
focus distance -  
ISO 400  
datetime sam. 30..521:40  
width 5264  
height 3904  
export width -  
export height -



select all select none  
invert selection select film roll  
select untouched

selected image[s]

images metadata

remove trash  
move... copy...  
create HDR duplicate  
reset rotation  
copy locally resync local copy  
group ungroup

history stack

copy... copy all  
paste... paste all  
compress history discard history  
mode append  
load sidecar file... write sidecar files

styles

metadata editor

tagging

geotagging

export selected

storage options

target storage file on disk /home/nilvus/Téléchargements/In [ ]  
on conflict create unique filename

format options

file format JPEG (8-bit)  
quality 95

File Browser(35)

Queue

Editor

Navigator

Width: 6016, Height: 4016  
X: -, Y: --  
R: -- H: -- L\*: --  
G: -- S: -- a\*: --  
B: -- V: -- b\*: --

History

|                      |              |
|----------------------|--------------|
| DRC - Amount         | 10           |
| L*a*b* Adjustment    | Enabled      |
| L*a*b* - LC curve    | Custom curve |
| L*a*b* - CL curve    | Custom curve |
| Color Toning         | Enabled      |
| CT - Saturation      | 67           |
| CT - region offset   | 0.048        |
| CT - H mask          | Custom curve |
| CT - L mask          | Custom curve |
| CT - region C mask   | Custom curve |
| Resize               | Enabled      |
| Post-Resize Sharp... | Enabled      |
| Noise Reduction      | Enabled      |
| NR - Luminance       | 30.00        |
| NR - Detail recovery | 50.00        |

Snapshots

+

-

Ready

None

Processing Profiles

(Custom)

Color Toning

Method Color correction regions

| # | Correction                      | Mask     |
|---|---------------------------------|----------|
| 1 | a=0 b=0 S=67<br>s=1 o=0.048 p=1 | HCL b=10 |

Color palette

Saturation: 67

Slope: 1.000

Offset: 0.048

Power: 1.000

Channel: All

Mask: H: C: L:

File Edit View Project Tool Clip Timeline Monitor Settings Help

Logging Editing Audio Effects Color

Alpha, Mask and Keying  
Blur and Sharpen  
Channels  
Color and Image correction  
Deprecated  
Generate  
Grain and Noise  
Motion  
On Master  
Stylize  
Transform, Distort and Perspective  
Utility  
Volume and Dynamics

Clip Monitor Library Clip Properties Project Monitor Online Resources Effect/Composition Stack Project Notes

Normal Mode 00:03:31:18 / 00:03:45:13

Master 00:00:00:00 00:00:12:09 00:00:24:19 00:00:37:04 00:00:49:14 00:01:02:00 00:01:14:09 00:01:26:19 00:01:39:04 00:01:51:14 00:02:04:00 00:02:16:09 00:02:28:19 00:02:41:04 00:02:53:14 00:03:06:00 00:03:18:09 00:03:30:19

01\_Dany\_Hey\_Vc\_Ai.MP  
00:00:52:20 [2]

01\_Edemir\_Levanta da  
00:00:22:12 [1]

01\_Gravação\_Musica\_C  
00:02:00:09 [2]

01\_x2mate.com-Brasil  
00:00:21:08 [1]

02\_01 MST Abertura N

Lift/gamma/gain

Linear 00:00:02:07

Lift Gamma Gain

R: 0.113 G: 0.133 B: 0.131 R: 1.133 G: 1.221 B: 0.992 R: 1.347 G: 1.255 B: 1.381

Effect/Composition Stack Project Notes

Master L 0 R 0

00:00dB 0.00dB

00:00dB 11:42 CON Fade in/Fad 0.00dB

**Media Pool** Effects Library Edit Index Sound Library

**Balcony View**

**Master Edits**

**Video** Transform Zoom X: 1.000 Position X: 0.000 Rotation Angle: 0.000 Anchor Point X: 0.000 Y: 0.000 Pitch: 0.000 Yaw: 0.000 Rip:

**Audio**

**Effects**

**Transition**

**Image**

**Mixer**

**Metadata**

**Inspector**

**Timeline - lake\_next\_to\_m...lack\_Artgrid-PRORES422.mov**

**My Summer Holiday**

00:00:11:09 Amalfi\_Coast\_Aerial\_8.mov 00:11:58:12 83% 00:01:06:11 23.976 My Summer Holiday Edit 01:00:27:03

**Smart Bins**

**Timelines**

**Keywords**

**01:00:27:03**

**V2 Video 2**

11 Clips

**V1 Video 1**

17 Clips

**A1 Audio 1**

8 Clips

**A2 Audio 2**

5 Clips

**A3 Audio 3**

5 Clips

**A4 Audio 4**

3 Clips

**A5 Audio 5**

2 Clips

**Lower 3rd Simple Underline**

**mountains\_along\_a\_lake\_aerial\_by\_Roma...**

**Amalfi\_Coast\_Talent...**

**people\_running\_at\_the\_beach\_in\_bri...**

**thick\_forest\_along\_a\_lake\_by\_the\_mountains\_serial\_by...**

**RedRock\_Talent\_3...**

**lake\_next\_to\_mountains\_and\_trees\_aerial\_by\_Roma\_Bla...**

**Amalfi\_Coast\_Aerial\_7.mov**

**Amalfi\_Coast\_Aerial\_8.mov**

**woman\_rid...**

**Clip-04-wexor-trm...**

**d...**

**AB0102\_01.mov**

**AB0102\_01.mov**

**SFX - je...**

**SOUND FX.wav**

**Cross Fade**

**AA0113\_01.mov**

**SFX - Overhead.wav**

**SFX - Distant prop plane.wav**

**AA0113\_01.mov**

**SOUND FX.wav**

**Music Score for Trailer.mov**

**Music Score for Trailer.mov**

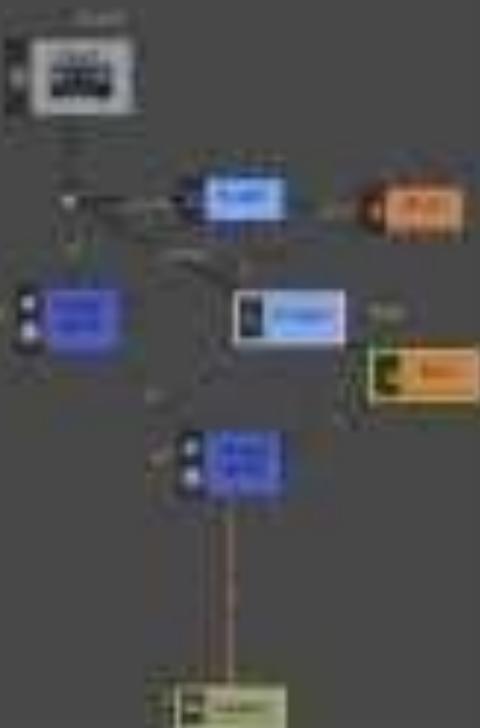
**Mixer**

**A1 A2 A3 A4 A5 M1**

**Audio 1 Audio 2 Audio 3 Audio 4 Audio 5 Main 1**

**Media Cut Edit Fusion Color Fairlight Deliver**

**DaVinci Resolve 18**





Amano, Amanita muscaria, Ukraine

[server.pcxl.es](#)

System

Applications

Software Center

Subscription

Terminal

Antivirus

Bandwidth monitor

Email

Fail2ban

File server

Firewall

FreePBX

Nextcloud

Restore data

https://server.pcxl.es:4090/cockpit/5e5455b2a885ea1764e32c2854a5ea8405927222edt8f1ad21a5f5c271a015/nethserver/index.html#applications

## Applications

Search

Refresh

| Logo | Name              | Description   | Version | Action                                     |
|------|-------------------|---|---------|--|
|      | Antivirus         | Nethserver antivirus using ClamAV   | 1.5.1   | <a href="#">Settings</a> <a href="#">⋮</a> |
|      | Bandwidth monitor | Provides ntopng for NethServer  | 3.1.1   | <a href="#">Settings</a> <a href="#">⋮</a> |
|      | Collected Charts  | Provides collected charts for NethServer                                  | 2.4.0   | <a href="#">Open</a> <a href="#">⋮</a>     |
|      | Email             | Provides SMTP, IMAP and POP3 services with antispam and antivirus filters | 2.19.4  | <a href="#">Settings</a> <a href="#">⋮</a> |
|      | Fail2ban          | Nethserver integration of Fail2ban  |         |  |
|      | File server       | Share files with your working group                                       |         |  |
|      | Firewall          | NethServer firewall implementation based on IPTables                      |         |  |
|      | FreePBX           | Provides FreePBX for NethServer   |         |  |
|      | Nextcloud         | Provides Nextcloud for NethServer   |         |  |
|      | Restore data      | This module provides a way to restore backed up data                      |         |  |
|      | Threat shield     | NethServer blacklist based on IPTables                                    |         |  |

Zentyal Development Edition 6.0

## Dashboard

## General Information

|              |                              |
|--------------|------------------------------|
| Time         | mar oct 30 14:00:09 CET 2018 |
| Hostname     | u18                          |
| Core version | 6.0                          |
| Software     | No updates                   |
| System load  | 0.27, 0.15, 0.29             |
| Uptime       | 25 min                       |
| Users        | 2                            |

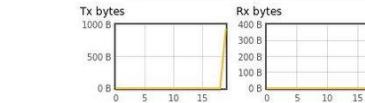
## Network Interfaces

## enp0s3

Status up, external

MAC address 08:00:27:47:3d:31

IP address 192.168.20.73



Module Status

## Mail

## Services

|                            |          |                         |
|----------------------------|----------|-------------------------|
| SMTP service               | Running  | <a href="#">Restart</a> |
| POP3 service               | Running  | <a href="#">Restart</a> |
| POP3S service              | Running  | <a href="#">Restart</a> |
| IMAP service               | Running  | <a href="#">Restart</a> |
| IMAPS service              | Running  | <a href="#">Restart</a> |
| Greylist service           | Disabled |                         |
| External retrieval service | Disabled |                         |

## Mail filter

|                      |          |
|----------------------|----------|
| Status               | disabled |
| Mail server's filter | disabled |

## Module Status

|                         |             |
|-------------------------|-------------|
| Network                 | Running     |
| Firewall                | Running     |
| Certification Authority | Not created |



VirtualBox

Server View

Node 'pve-demo1'

Search

Package versions

Summary

Notes

Shell

System

Network

Certificates

DNS

Hosts

Options

Time

Syslog

Updates

Repositories

Firewall

Disks

LVM

LVM-Thin

Directory

ZFS

Ceph

Replication

Task History

Subscription

Hour (average)

**pve-demo1 (Uptime: 1 day 23:13:44)**

CPU usage: 10.48% of 2 CPU(s) | IO delay: 0.41.0.39.0.49 | 1.07%

RAM usage: 55.33% (5.35 GiB of 9.68 GiB) | KSM sharing: 18.94 MiB

/ HD space: 43.60% (6.71 GiB of 15.40 GiB) | SWAP usage: 0.02% (1.25 MiB of 7.87 GiB)

CPU(s): 2 x AMD Ryzen 7 2700X Eight-Core Processor (1 Socket)

Kernel Version: Linux 6.2.6-1-pve #1 SMP PREEMPT\_DYNAMIC PVE 6.2.6-1 (2023-03-14T17:08Z)

PVE Manager Version: pve-manager/7.4-2/4df3fa34

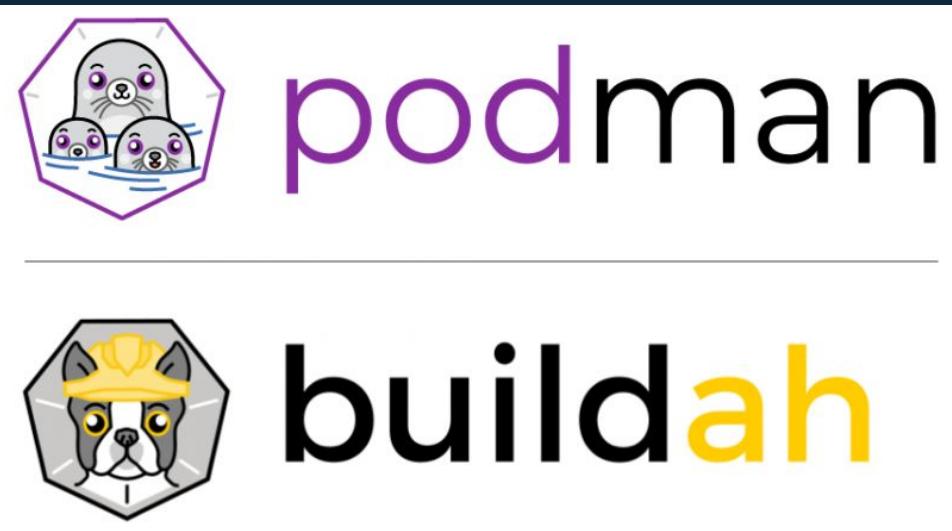
Repository Status: Proxmox VE updates! Non production-ready repository enabled!

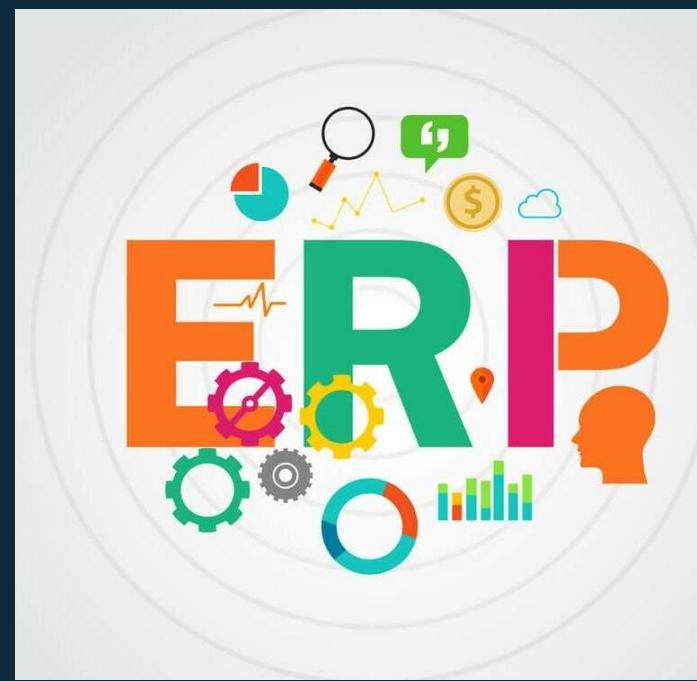
**CPU usage**

**Server load**

## Tasks Cluster log

| Start Time ↓    | End Time        | Node      | User name | Description             | Status |
|-----------------|-----------------|-----------|-----------|-------------------------|--------|
| Mar 21 16:57:44 | Mar 21 16:58:20 | pve-demo1 | root@pam  | Shell                   | OK     |
| Mar 21 16:57:40 | Mar 21 16:58:24 | pve-demo1 | root@pam  | Shell                   | OK     |
| Mar 21 16:57:35 | Mar 21 16:58:26 | pve-demo1 | root@pam  | Shell                   | OK     |
| Mar 21 16:57:30 | Mar 21 16:58:27 | pve-demo1 | root@pam  | Shell                   | OK     |
| Mar 21 16:57:25 | Mar 21 16:57:28 | pve-demo5 | root@pam  | Update package database | OK     |





# Enterprise Resource Planning Planejamento dos Recursos da Empresa

Bem-vindo(a) à versão 3.0.0 do Stoq!

EDIVALDO BEZERRA BRITO  
Stoq

Ações Pesquisas Configurações

Veja as novidades

### Vendas

- Ponto de vendas Terminal de vendas e caixa registradora para...
- Vendas Gerenciamento de orçamentos e cálculo ...
- Caixa Controle de caixa e seu fluxo.

### Operações

- Serviços Realizar serviços como manutenções, instalaç...
- Entrega Controle as suas entregas

### Finanças

- Estoque Gerenciamento do estoque, recebimento ...
- Compras Cria pedidos de compras e orçamentos.
- Produção Gerencia o processo de produção.

### Inventário

- Audita e ajusta o estoque de produtos.

### Atalhos

- Nova venda
- Nova venda com OS
- Produtos
- Clientes

### Mensagens

- Hub de serviços online não encontrado
- Não foi possível comunicar com o Stoq.link

Usuário: Administrador | Computador: pc | PID: 28544 Sugestões

The screenshot displays the Stoq 3.0.0 software interface. At the top, there's a header bar with the user name 'EDIVALDO BEZERRA BRITO' and 'Stoq'. Below the header are navigation buttons for 'Ações' (Actions), 'Pesquisas' (Search), and 'Configurações' (Settings). A 'Veja as novidades' (Check out the news) button is also present. The main area is divided into several sections: 'Vendas' (Sales) with icons for POS, sales management, and cash register; 'Operações' (Operations) with icons for services, delivery, and inventory management; 'Finanças' (Finance) with icons for stock management, procurement, production, and financial accounting; and 'Atalhos' (Shortcuts) for quick access to new sales, sales with OS, products, and clients. On the right side, there are two message notifications: one about an online service hub not found and another about failing to communicate with the Stoq.link. At the bottom, it shows the user information ('Administrador | Computador: pc | PID: 28544') and a 'Sugestões' (Suggestions) button.

Stoq

# Schooltool

Enter Grades - Mozilla Firefox

Enter Grades

Home Gradebook Journal Intervention

Sections » Art A – 1 » Gradebook » Enter Grades

Isabel Walsh Log out

Sheet1

| Section   | Name               | Activity | 2DArt | Drawl | Paint | Sculp | Print | Photo | Camer | 10hA | 20hA | Visual | Senial | Media | Total | Ave.  |
|-----------|--------------------|----------|-------|-------|-------|-------|-------|-------|-------|------|------|--------|--------|-------|-------|-------|
| Art A – 1 | Car, Femke         | 90       | 70    | 80    | 90    | 80    | 85    | 80    | 100   | 100  | 100  | 100    | 100    | 100   | 860.0 | 86.0% |
|           | Carter, Herb       | 70       | 75    | 85    | 75    | 75    | 80    | 70    | 100   | 105  | 80   | 90     | 100    | 100   | 805.0 | 80.5% |
|           | Cohen, Elizbieta   | 80       | 70    | 95    | 65    | 70    | 80    | 90    | 100   | 75   | 80   | 80     | 100    | 100   | 795.0 | 78.3% |
|           | Daniels, Yenice    | 60       | 70    | 65    | 85    | 85    | 70    | 75    | 100   | 70   | 70   | 75     | 100    | 100   | 725.0 | 72.5% |
|           | Ellis, Kimmy       | 75       | 80    | 70    | 80    | 70    | 75    | 85    | 100   | 80   | 85   | 80     | 100    | 100   | 615.0 | 76.9% |
|           | Fields, Leon       |          |       |       |       |       |       |       |       |      |      |        |        |       | 0.0   | N/A   |
|           | Garcia, Thelma     | 65       | 70    | 75    | 70    | 70    | 65    | 70    | 100   | 75   | 70   | 75     | 100    | 100   | 560.0 | 70.0% |
|           | Gurza, Vanessa     | 90       | 80    | 75    | 80    | 80    | 75    | 70    | 100   | 80   | 85   | 80     | 100    | 100   | 630.0 | 78.8% |
|           | Harris, Kimberly   | 75       | 90    | 90    | 85    | 85    | 80    | 85    | 100   | 110  | 80   | 80     | 100    | 100   | 700.0 | 87.5% |
|           | Hart, Florian      | 75       | 65    | 80    | 80    | 75    | 70    | 80    | 100   | 80   | 90   | 90     | 100    | 100   | 605.0 | 75.6% |
| Add       | Hill, Michael      |          |       |       |       |       |       |       |       |      |      |        |        |       | 0.0   | N/A   |
|           | Horton, Frederik   | 90       | 80    | 85    | 75    | 75    | 70    | 80    | 100   | 75   | 80   | 75     | 100    | 100   | 630.0 | 78.8% |
|           | Jackson, Fabian    | 60       | 70    | 75    | 70    | 70    | 75    | 45    | 100   | 70   | 75   | 75     | 100    | 100   | 535.0 | 69.4% |
|           | Jenkins, Ollie     | 85       | 90    | 80    | 85    | 80    | 80    | 75    | 100   | 75   | 70   | 70     | 100    | 100   | 650.0 | 81.2% |
|           | McCarthy, David    | 70       | 65    | 60    | 75    | 75    | 60    | 70    | 100   | 65   | 65   | 65     | 100    | 100   | 540.0 | 67.5% |
|           | Moore, Hiram       | 85       | 65    | 75    | 75    | 75    | 70    | 80    | 100   | 75   | 75   | 75     | 100    | 100   | 600.0 | 75.0% |
|           | Neal, Ruth         | 60       | 60    | 70    | 60    | 60    | 70    | 70    | 100   | 70   | 80   | 70     | 100    | 100   | 530.0 | 66.2% |
|           | Norris, Ricky      | 70       | 75    | 80    | 85    | 80    | 75    | 70    | 100   | 70   | 70   | 70     | 100    | 100   | 605.0 | 75.6% |
|           | O'Connor, Ada      | 80       | 70    | 65    | 70    | 70    | 75    | 80    | 100   | 85   | 85   | 85     | 100    | 100   | 595.0 | 74.4% |
|           | O'Reilly, William  | 90       | 100   | 90    | 85    | 100   | 90    | 85    | 100   | 100  | 90   | 90     | 100    | 100   | 730.0 | 91.2% |
|           | Owens, Isaac       | 50       | 60    | 70    | 65    | 65    | 70    | 60    | 100   | 75   | 75   | 75     | 100    | 100   | 515.0 | 64.4% |
|           | Pearson, Anna      | 90       | 80    | 80    | 85    | 80    | 85    | 90    | 100   | 100  | 90   | 90     | 100    | 100   | 695.0 | 86.9% |
|           | Ray, Rotz          | 65       | 70    | 75    | 75    | 75    | 70    | 70    | 100   | 75   | 75   | 75     | 100    | 100   | 575.0 | 71.9% |
|           | Richardson, Julian | 60       | 65    | 65    | 70    | 65    | 65    | 60    | 100   | 65   | 65   | 65     | 100    | 100   | 515.0 | 64.4% |
|           | Santos, Sally      | 90       | 80    | 75    | 75    | 75    | 70    | 80    | 100   | 75   | 75   | 75     | 100    | 100   | 545.0 | 77.0% |
|           | Simon, Nate        | 85       | 90    | 90    | 70    | 90    | 80    | 80    | 100   | 75   | 75   | 75     | 100    | 100   | 580.0 | 82.0% |
|           | Spencer, Gena      | 70       | 65    | 65    | 70    | 70    | 75    | 70    | 100   | 75   | 70   | 70     | 100    | 100   | 495.0 | 70.7% |
|           | Stewart, Sylvia    | 55       | 65    | 65    | 60    | 65    | 55    | 50    | 100   | 75   | 75   | 75     | 100    | 100   | 415.0 | 59.3% |
|           | Sullivan, Anton    | 75       | 75    | 75    | 85    | 80    | 75    | 70    | 100   | 75   | 75   | 75     | 100    | 100   | 540.0 | 77.1% |
|           | Walker, Sherman    | 75       | 75    | 75    | 85    | 80    | 75    | 70    | 100   | 75   | 75   | 75     | 100    | 100   | 550.0 | 78.6% |

Save

Print

Print

Tryton

Action

Companies

Products

Administrator [USD]

Parties

Companies

Companies

Employees

Products

Configuration

Products

Variants

Suppliers

Categories

Reporting

Currencies

Banking

Financial

Inventory & Stock

Purchases

Sales

Timesheet

Productions

Projects

Administration

Products

Code

Name

List Price

Cost Price

Default UOM

Type

| Code | Name             | List Price | Cost Price | Default UOM | Type  |
|------|------------------|------------|------------|-------------|-------|
|      | A3 Paper 250     | 5.0500     | 2.5000     | Unit        | Goods |
|      | A3 Paper 500     | 10.2010    | 5.0000     | Unit        | Goods |
|      | A4 Paper 250     | 5.0500     | 2.5000     | Unit        | Goods |
|      | A4 Paper 500     | 10.2010    | 5.0000     | Unit        | Goods |
|      | A5 Paper 250     | 5.0500     | 2.5000     | Unit        | Goods |
|      | A5 Paper 500     | 10.2010    | 5.0000     | Unit        | Goods |
|      | Computer         | 750.0000   | 0.0000     | Unit        | Goods |
|      | Keyboard         | 30.0000    | 0.0000     | Unit        | Goods |
|      | Ledger Paper 250 | 5.0500     | 2.5000     | Unit        | Goods |
|      | Ledger Paper 500 | 10.2010    | 5.0000     | Unit        | Goods |
|      | Legal Paper 250  | 5.0500     | 2.5000     | Unit        | Goods |
|      | Legal Paper 500  | 10.2010    | 5.0000     | Unit        | Goods |
|      | Letter Paper 250 | 5.0500     | 2.5000     | Unit        | Goods |
|      | Letter Paper 500 | 10.2010    | 5.0000     | Unit        | Goods |
|      | Mouse            | 10.0000    | 0.0000     | Unit        | Goods |
|      | Screen           | 300.0000   | 0.0000     | Unit        | Goods |

Procurar

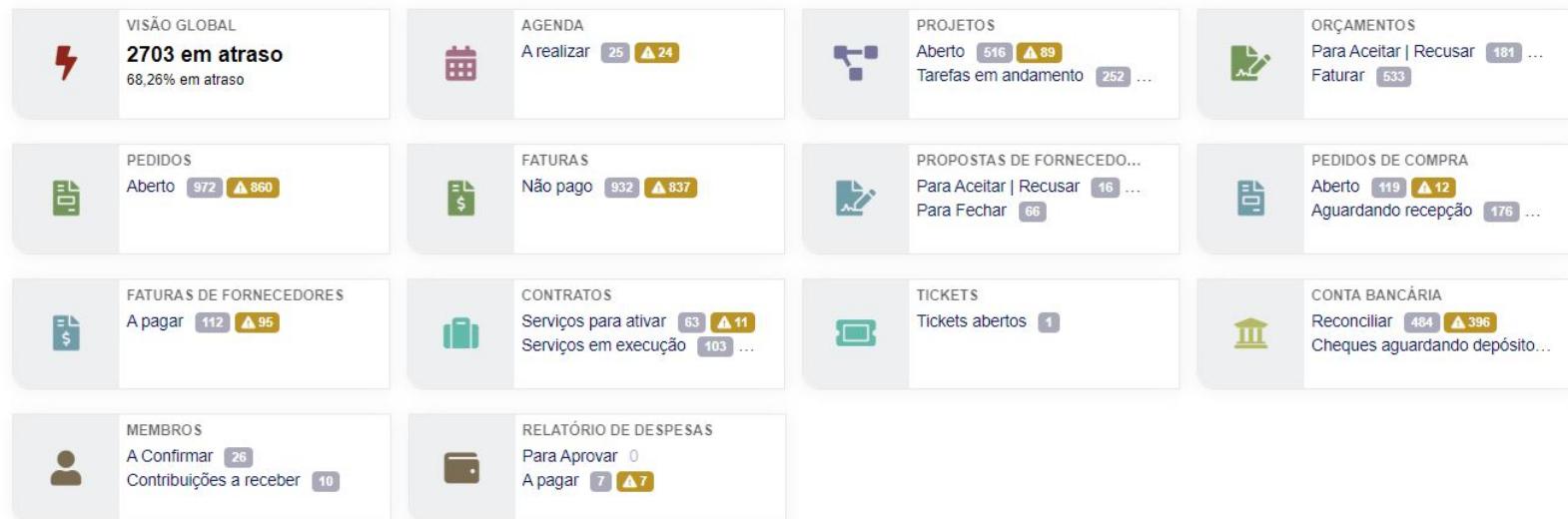
Adicionar widget para sua área de notificações...

### Meu painel

 Configuração

 Ferramentas de adm...

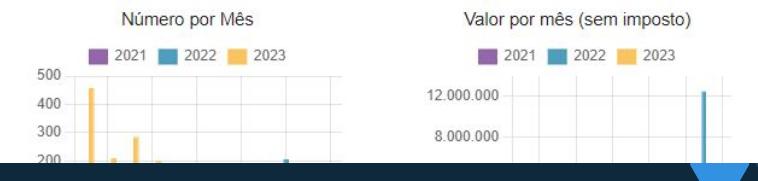
### Usuários e Grupos



Estatísticas do banco de dados

|  |   |   |   |
|--|---|---|---|
| <b>Usuário</b><br> 11   | <b>Membros</b><br> 32            | <b>Relatórios de d...</b><br> 16 | <b>Leaves</b><br> 76             |
| <b>Cientes</b><br> 1526 | <b>Prospectos de ...</b><br> 778 | <b>Fornecedores</b><br> 596      | <b>Contatos/Ender...</b><br> 204 |

Orçamentos por mês



odoo



# Programação



**“NA DÚVIDA  
APRENDA  
LINUX.”**



Puxe para c  
Busca precisa



O MELHOR  
SISTEMA  
OPERACIONAL



Ada



R

X



JS

C

OBJ



LSP



C++

C#

File Edit Selection View Go Run Terminal Help



EXPLORER

SNYDERMACEDO

- > .github
- > .vscode
- > archetypes
- ✓ content
- ✓ posts
  - ↳ ideias-para-o-blog.md
  - ↳ iproute2.md
  - ↳ new-blog.md
  - ↳ omv.md
  - ↳ ovm-install.md
  - ↳ proxmox-7.1.md
  - ↳ vim-comentario.md
  - ↳ wipe\_dd.md
- ↳ uname.md

&gt; public

&gt; resources

&gt; static

✓ themes/terminal

↳ .gitmodules

Ξ .hugo\_build.lock

⚙ config.toml

\$LANG deploy.sh

❶ README.md

...

↳ wipe\_dd.md x

content &gt; posts &gt; wipe\_dd.md &gt; # Wipe Disk com dd

```
1  ***
2  title = "Wipe Disk | dd"
3  date = "2023-02-21"
4  author = "Snyder Macedo"
5  cover = "https://pplware.sapo.pt/wp-content/uploads/2013/04/imagem_limpar_pc-600x400.jpg"
6  tags = ["Wipe", "dd"]
7  keywords = ["Wipe", "dd"]
8  description = "Wipe - Limpando discos"
9  readingTime = true
10 ***
11
12 # Wipe Disk com dd
13
14 Olá, pessoal!
15
16 Neste post vou mostrar a vocês como fazer:
17
18 ...
19 Wipe Disk | Limpeza de Disco
20 ...
21
22 Diferente de uma formatação, o Wipe sobrescreve os bits do seu dispositivo com zeros, dificultando e muito a recuperação dos dados.
23 Esse procedimento é recomendado quando vamos fazer uma doação ou venda.
24
25 Bem, para executar o wipe vou usar a ferramenta 'dd', o comando vai ficar assim:
26
27 ``sh:
28 # dd if=/dev/zero of=/dev/sdX bs=4096 status=progress
29 ...
30
31 Vamos a explicação:
32
33 - if   - origem | vamos usar o arquivo especial /dev/zero
34 - of   - destino | informamos o disco que queremos limpar (se atente ao X)
35 - bs   - a quantidade de bytes lido ou escrito por vez
36 - status - mostra estatísticas periódicas de transferência.
37
38 ...
39
40 Como exemplo, vou executar o comando em um pendrive.
41 Para descobrir o caminho do pendrive vou usar o comando:
```

...



&gt; OUTLINE

&gt; TIMELINE

↳ main ⌂ ⌂ 0 △ 0 ⌂

Ln 14, Col 14 Spaces: 4 UTF-8 LF Markdown

iproute2.md (~/projetos/snydermacedo/content/posts) - NVIM

**Explorer**

- .git
- .github
- .vscode
- archetypes
- content**
  - posts**
    - ideias-para-o-blog.md
    - iproute2.md**
    - new-blog.md
    - omv.md
    - ovm-install.md
    - proxmox-7.1.md
    - vim-comentario.md
    - wipe\_dd.md
    - uname.md
- public
- resources
- static
- themes
- .gitmodules
- .hugo\_build.lock
- config.toml
- deploy.sh
- README.md

**File**

**Wipe DD** | **iproute2**

**wipe\_dd.md**

```

8 Diferente de uma formatação, o Wipe sobrescreve os bit
7 Esse procedimento é recomendado quando vamos fazer uma
6
5 Bem, para executar o wipe vou usar a ferramenta 'dd',
4
3 ``sh:
2 # dd if=/dev/zero of=/dev/sdX bs=4096 status=progress
1
30
1 Vamos a explicação:
2
3 - if      - origem | vamos usar o arquivo especial /de
4 - of      - destino | informamos o disco que queremos
5 - bs      - a quantidade de bytes lido ou escrito por
6 - status   - mostra estatísticas periódicas de transfer
7
8 ---
9
10 Como exemplo, vou executar o comando em um pendrive.
11 Para descobrir o caminho do pendrive vou usar o comand
12
13 ``sh:
14 sudo fdisk -l
15
16 Retornando a informação:
17
18
19 Disco /dev/sdb: 3,61 GiB, 3880452096 bytes, 7579008 se
20 Modelo de disco: USB DISK 2.0
21 Unidades: setor de 1 * 512 = 512 bytes
22 Tamanho de setor (lógico/físico): 512 bytes / 512 byte

```

**iproute2.md**

```

8 keywords = ["", ""]
7 description = ""
6 readingTime = true
5 draft = true
4 ===
3
2 # Iproute2 | Net-Tools
1
15 Olá, pessoal!
1
2 Neste post quero mostra o Iproute2 o substituto do Net
3
4 Ambos são utilitarios de linha de comandos para config
5 Entretanto o Net-Tools está obsoleto, e olha que já fa
6 Mas ainda encontro tutorias usando comandos do Net-Tool
7 Vamos lá!
8
9 ---
10
11 Pessoal vou mostra uma tabela resumindo os comandos, m
12
13 | Comando Obsoleto | Comando Substituto |
14 | ----- | -----
15 | arp | ip neighbor)
16 | ifconfig | ip a (ip addr), ip link, ip -s (i
17 | iptunnel | ip tunnel |
18 | iwconfig | iw |
19 | nameif | ip link, ifrename |
20 | netstat | ss, ip route (for netstat-r), ip
21 | route | ip r (ip route) |
22

```

**Bottom Bar**

main

LSP Inactive → 4 markdown 15:10 Fim/37



IntelliJ IDEA



Datalore



DataGrip



RubyMine



dotCover



Kotlin



PyCharm



WebStorm



PhpStorm



AppCode



GoLand



ReSharper C++



ReSharper



Rider



CLion



dotPeek

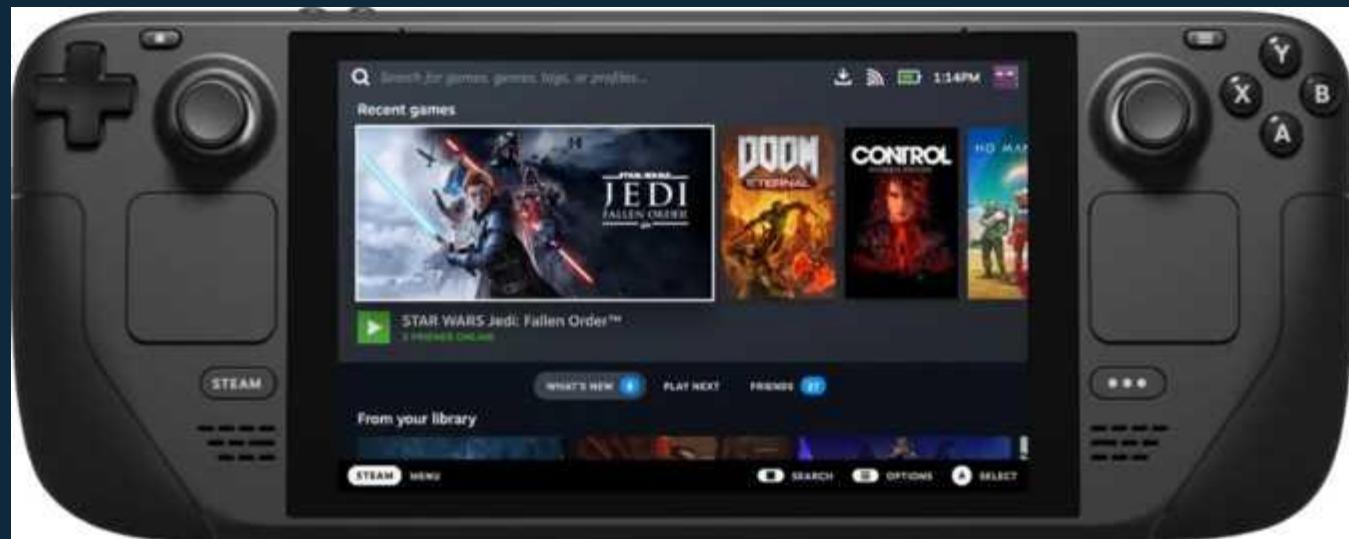


dotTrace



dotMemory

# Games



# JOGO COMPLETO

---

PORCENTAGEM

104%

TEMPO

116h 56m 43s

Pressione qualquer botão para continuar.



- **Trine 1 2 3**
- **Guacamelee 1 2**
- **Battle Block Theater**
- **Children of Morta**
- **Awesomenauts**
- **Stardew Valley**
- Hollow Knight
- Dead Cells
- Limbo
- **Chrono Trigger**





 STEAM DECK





vulkan®

The logo for Vulkan. The word "vulkan" is written in a large, bold, red sans-serif font. A red swoosh graphic starts from the top left and curves around the letter "v". A registered trademark symbol (®) is located at the bottom right of the "n".



Total Games: 114



Enter the game name here...

Library

Stores

Settings

Accessibility

Wiki

All Games



Wine Manager

Discord

Patreon

Ko-fi

SirSquidMan

Library

Games

Recent

Favorites

Sources

Lutris

GOG

CC

Humble Bundle

Epic Games Store

Steam

Steam for Windows

Dolphin

Runners

Adventure Game Studio

Atari800

Colem

Dolphin

DOSBox

FS-UAE

Hatari

Libretro

Linux

MAME



LEGO Batman: The Videogame



Oddworld: Munch's Oddysee



Oddworld: Stranger's Wrath HD



Agony UNRATED



Far Cry® 2: Fortune's Edition



SiN Gold



Sacred Gold



Silent Hill 4: The Room



Legacy of Kain: Soul Reaver 2



Jazz Jackrabbit 2: The Christmas Chronicles



Bad Mojo Redux



Beyond Good &amp; Evil™



Bloodstained: Ritual of the Night



Horizon Zero Dawn™ Complete Edition



STAR WARS™ Starfighter™



Blood Bowl: Chaos Edition



Kingpin: Life of Crime



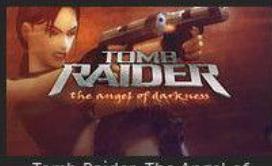
Shadow Man



Messiah



Tomb Raider Chronicles



Tomb Raider: The Angel of Darkness



Tomb Raider: Legend



DethKarz



Deadly Premonition: Director's Cut



Legacy of Kain: Soul Reaver

