

Rise Against Big Tech w/ open source tools

LinuxDay Torino 2024
(no promo content here)

Rise Against Big Tech w/ open source tools

LinuxDay Torino 2024

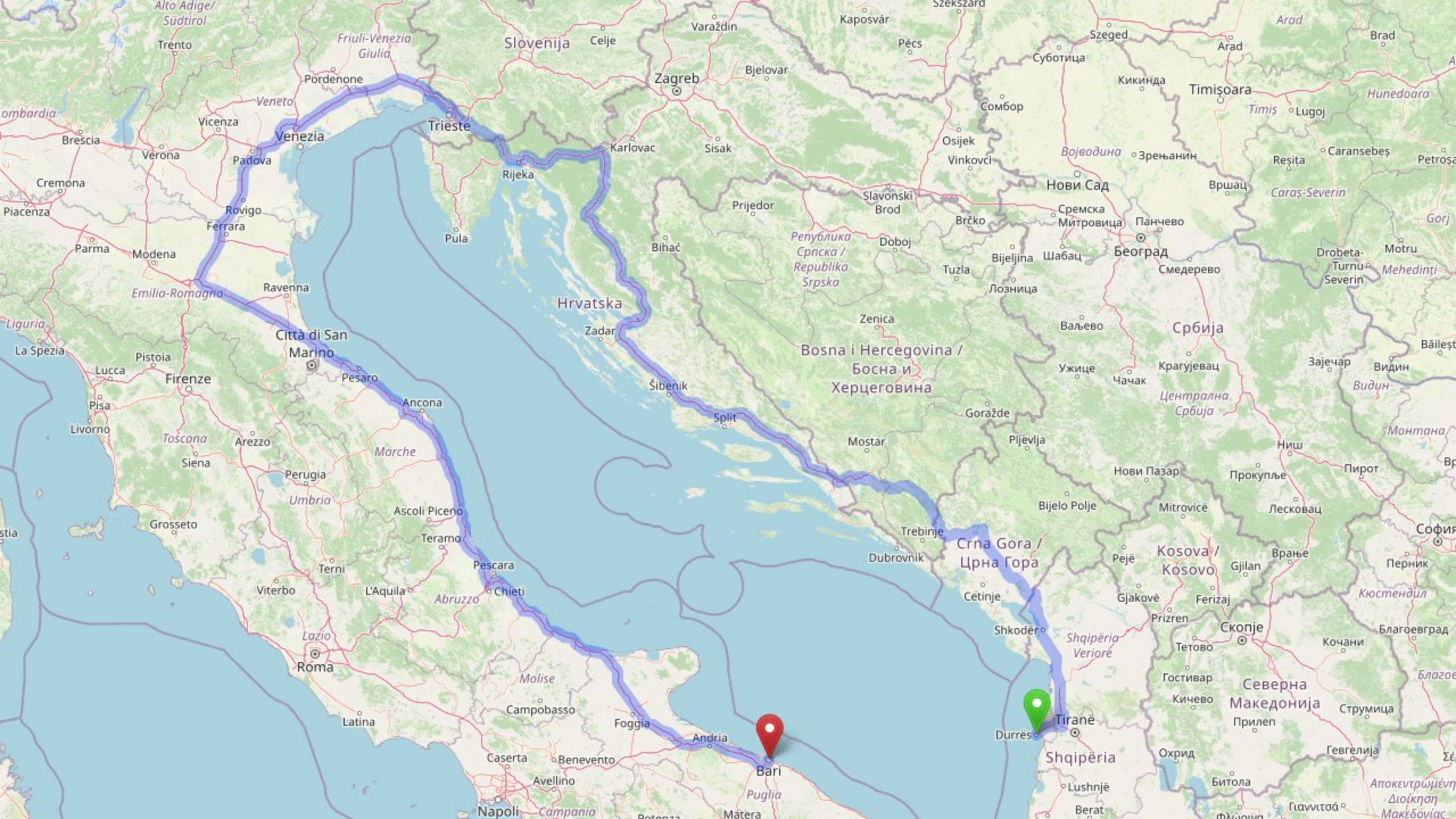
⚠ warning: cultural differences might happen!

Who are these dudes
(about us)

HELLO

my name is

Durres, Albania











[Verse 1]

Trudging slowly over wet sand

Back to the bench where your clothes were stolen

This is the coastal town that they forgot to close down

Armageddon, come, Armageddon, come, Armageddon, come

[Chorus 1]

Every day is like Sunday

Every day is silent and grey

[Verse 2]

Hide on the promenade, etch a postcard

"How I dearly wish I was not here"

In the seaside town that they forgot to bomb

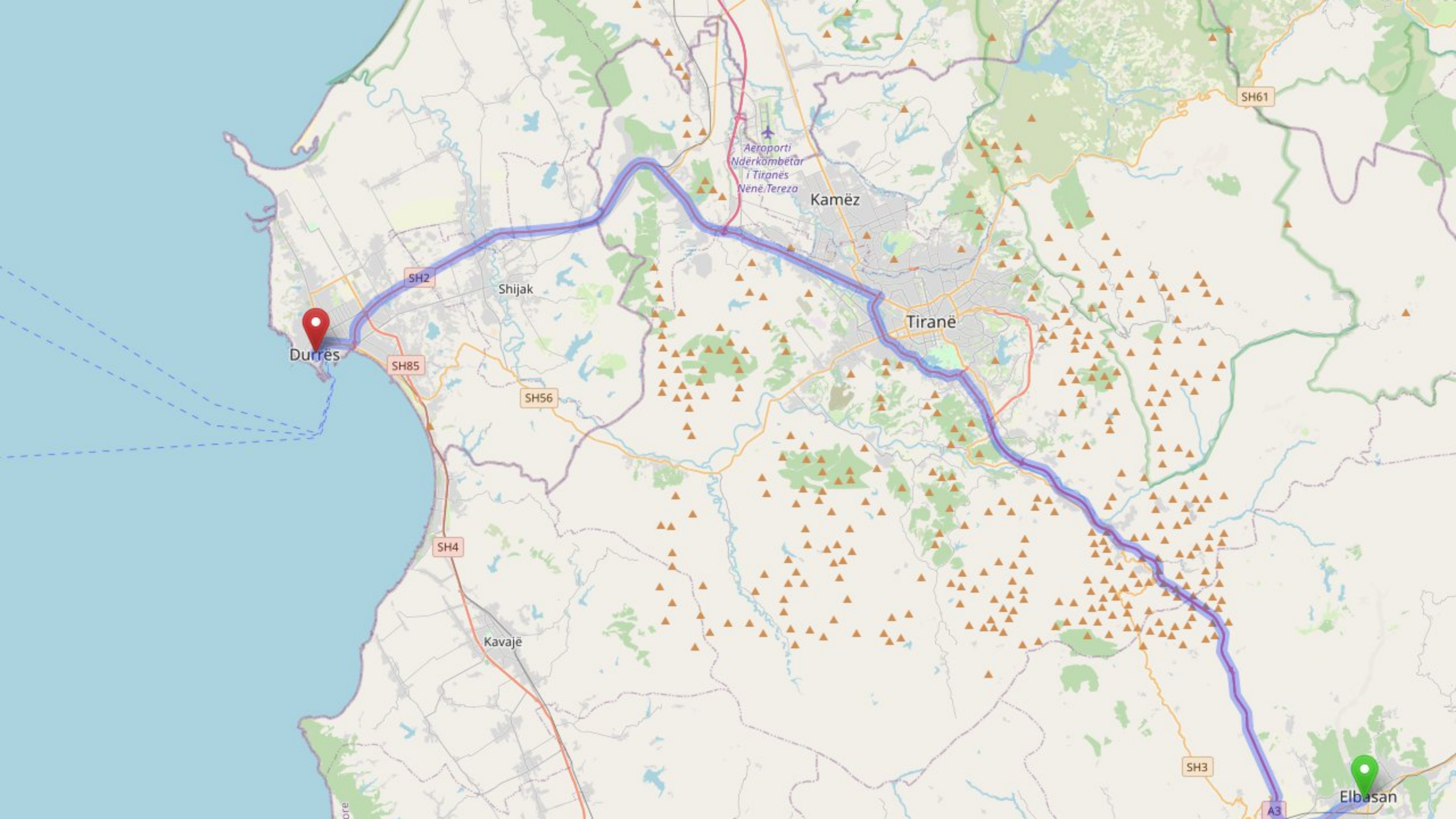
Come, come, come, nuclear bomb

[Chorus 1]

Every day is like Sunday

Every day is silent and grey

Elbasan, Albania







The Durrës - Elbasan connection



A decade of contributing to FLOSS

What has been achieved?

The local hackerspace (est. 2012)



The local hackerspace (est. 2012)



OSCAL <3

- Open Source Conference Albania;
- Community and volunteer organised;
- Presentations, info booths, workshops;
- Lots of time unreasonably spent on the design of the posters...
- Wikimedia, OpenStreetMap, Linux and lots of nerdy and FLOSS content
- Made great friends along the way

OSCAL '17

OPEN SOURCE CONFERENCE ALBANIA
THE 4TH EDITION OF THE INTERNATIONAL
ANNUAL CONFERENCE IN ALBANIA
ORGANIZED TO PROMOTE SOFTWARE &
HARDWARE FREEDOM, ONLINE PRIVACY,
OPEN DATA, AND TECHNOLOGIES THAT
EMPOWER THE COMMONS.



SWAG
Pay as much as
you can :))

SWAG
Pay as much as
you can :))

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Pay as much as
you can :))

MAY 2018
MIDA AND PROTIK
OSCAL.OPERLABS.CC
OSCAL 4.0 INFO

and give
speakers

open labs
open lab
open lab
OF HACK





OSCAL'16

OSCAL'16

OSCAL'16



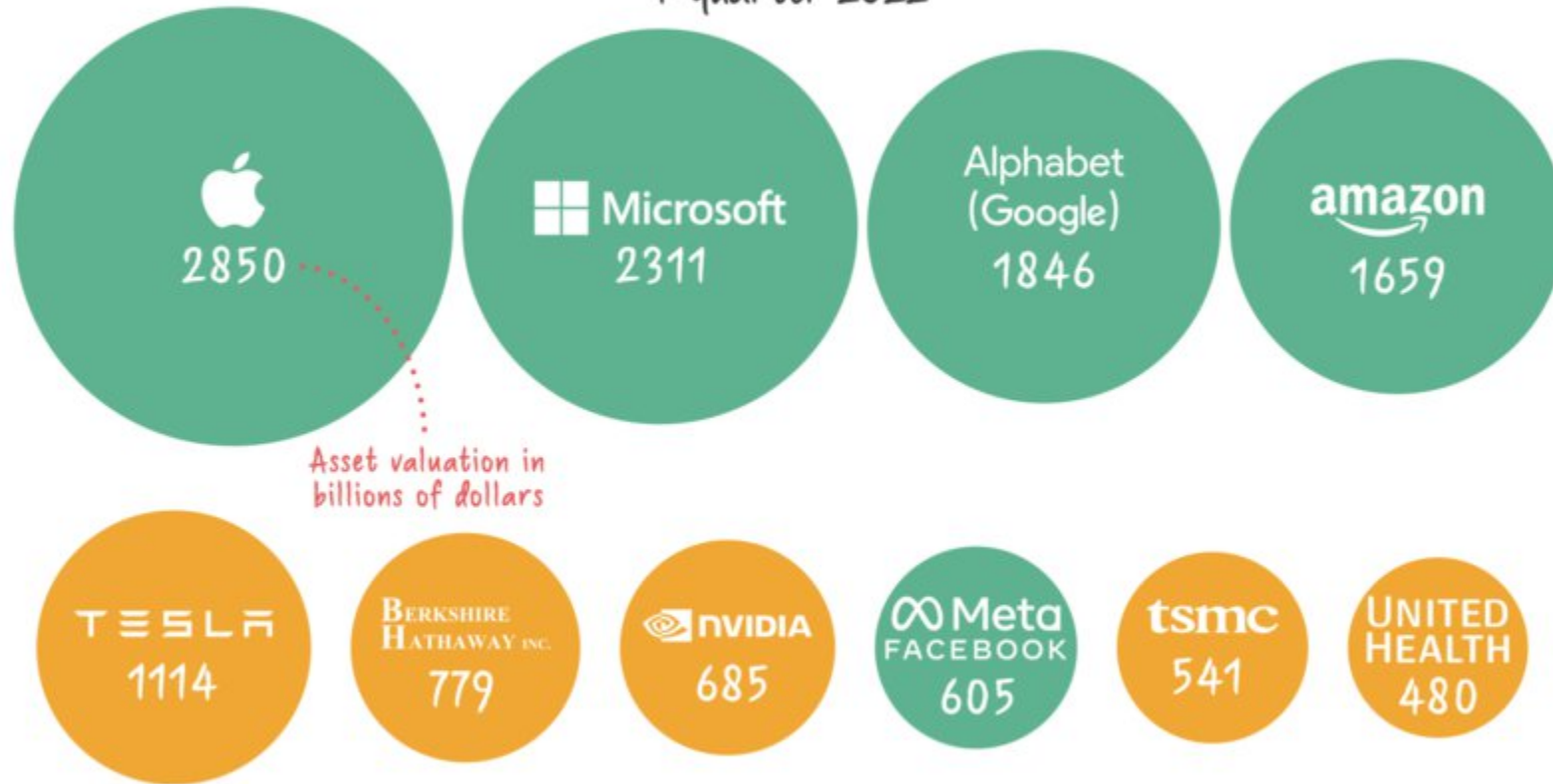
A decade of contributing to FLOSS

What has changed?

A

to

10 Largest Corporations by Market Capitalization 1st quarter 2022



Asset valuation in billions of dollars

- GAFAM and other Big Tech
- Other business sectors (finance, automotive, etc.)

- Elements of comparison:
- entire CAC 40: ~ \$2180B
 - GDP of France: ~ \$3450B

Source: List of public corporations by market capitalization from Wikipédia

A decade of contributing to FLOSS

Spoilers: not a lot

Microsoft Teams grew over 90% in 2020 due to pandemic

 30 June 2021  Chris Price  video conferencing



uting to

YOU KNOW WHAT REALLY GRINDS MY GEARS?



FREAKING BIG TECH!

Big Tech?

We (should) have a beef!

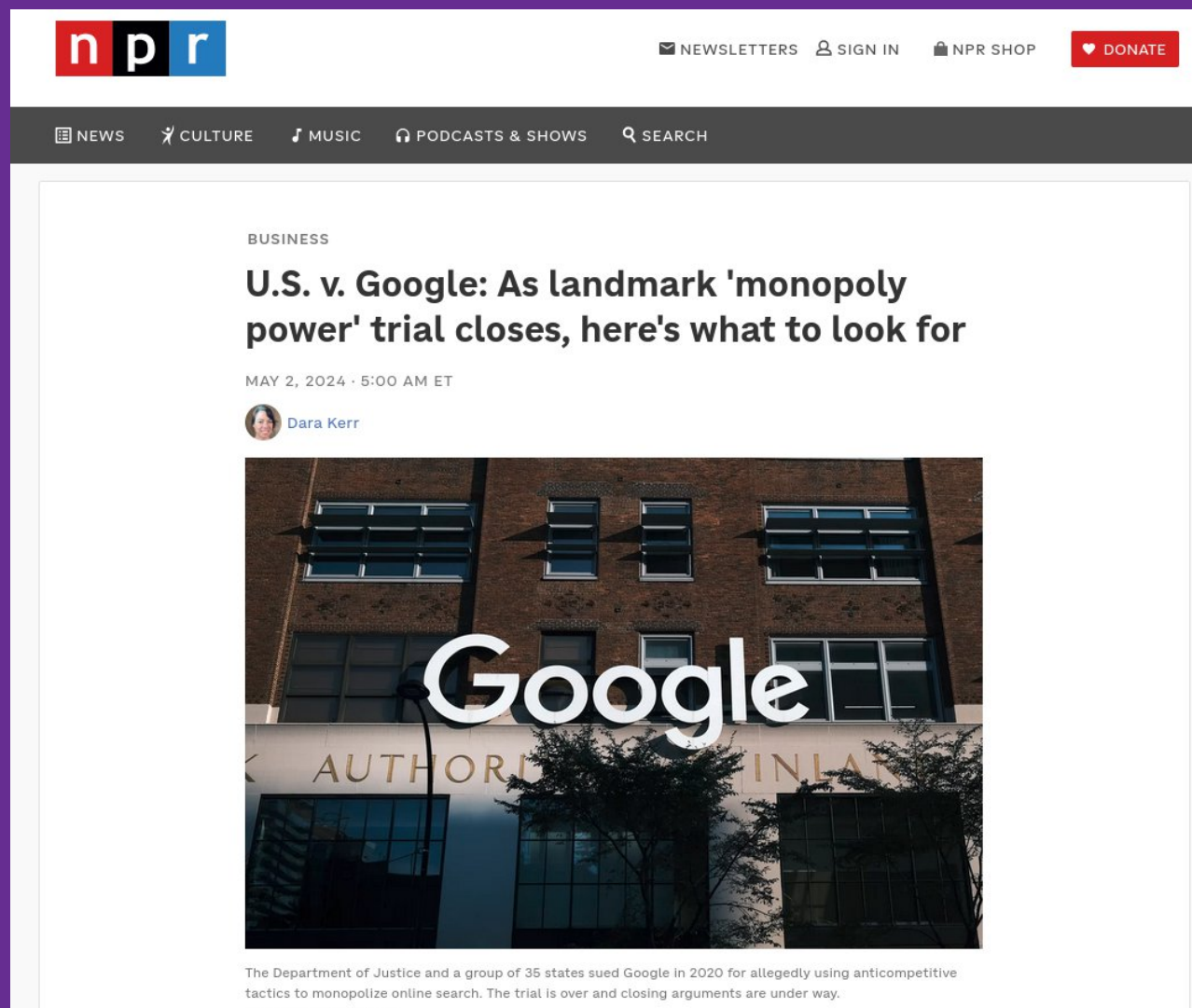
YOU KNOW WHAT REALLY GRINDS MY GEARS



???

[mirrored watermark]

Monopolistic practices



The image shows a screenshot of the NPR website. At the top, the NPR logo is on the left, and navigation links for NEWSLETTERS, SIGN IN, NPR SHOP, and DONATE are on the right. Below this is a dark navigation bar with icons and text for NEWS, CULTURE, MUSIC, PODCASTS & SHOWS, and SEARCH. The main content area features a 'BUSINESS' category label, followed by the article title 'U.S. v. Google: As landmark 'monopoly power' trial closes, here's what to look for'. The date 'MAY 2, 2024 · 5:00 AM ET' and the author's name 'Dara Kerr' are listed below the title. A photograph of a brick building with a large 'Google' sign is shown. Below the photo, a short paragraph of text is visible, starting with 'The Department of Justice and a group of 35 states sued Google in 2020 for allegedly using anticompetitive tactics to monopolize online search. The trial is over and closing arguments are under way.'

npr


NEWSLETTERS SIGN IN NPR SHOP DONATE


NEWS CULTURE MUSIC PODCASTS & SHOWS SEARCH

BUSINESS

U.S. v. Google: As landmark 'monopoly power' trial closes, here's what to look for

MAY 2, 2024 · 5:00 AM ET

 Dara Kerr



A photograph of a brick building with a large white 'Google' sign in the foreground. The building has several windows and a sign that partially reads 'AUTHORIT... INIA'.

The Department of Justice and a group of 35 states sued Google in 2020 for allegedly using anticompetitive tactics to monopolize online search. The trial is over and closing arguments are under way.

YOU KNOW WHAT REALLY GRINDS MY GEARS



???

[miffed-wind]

Oligopolies

YOU KNOW WHAT REALLY GRINDS MY GEARS



???

[miffed-wind]

PR and well designed ads that track

YOU KNOW WHAT REALLY GRINDS MY GEARS



???

[miffed-wind]

Insane amount of money = influence!

Microsoft's cloud revenues rule again in Q4, as Surface continues to dip



Image: The Verge

/ Server products and cloud services are the strong point of Microsoft's revenues.

By [Tom Warren](#), a senior editor and author of *Notepad*, who has been covering all things Microsoft, PC, and tech for over 20 years.

Jul 30, 2024, 10:13 PM GMT+2



46 Comments (46 New)

Microsoft just posted the fourth and final quarter of its 2024 fiscal financial results. The software maker made \$64.7 billion in revenue and a net income of \$22 billion during Q4. Revenue is up 15 percent,

Enough complaining

Solutions?

Rise Against Big Tech

Rise Against Big Tech

But how?

Rising Against Big Tech by...

- Avoid using proprietary software (ok you are already doing this)
- Do not use their cloud services either
- More events like LinuxDay Torino pls
- Solidarity networks (chatons.org)
- Go small (when it comes to paying for cloud services)
- Create your own managed hosting service?

Rising Against Big Tech by...

- Avoid using proprietary software (ok you are already doing this)
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- Go small (when it comes to paying for cloud services)
- **Create your own managed hosting service?**

Hassle-free manage hosting of open source

(lessons learned over 5 years)

0. Project management & Version Control – GitLab CE

Pipeline

Needs

Jobs 9

Tests 0

Group jobs by

Stage

Job dependencies

Show dependencies



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0. Project management & Version Control – GitLab CE
The Infrastructure as Code revolution

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3. Enterprise grade backups - Bareos



Jobs started during the past 24 hours



Most recent job status per job name



Search

Job name	Status	Job ID	Client	Level	Start	End	Bytes
ext-support1.bases.com-job	Waiting	283022	ext-support1.bases.com-ft	Incremental			0.00 B
employee-garcia	Success	283020	garcia-ft	Incremental	2021-12-01 09:36:03	2021-12-01 09:58:28	5.32 GB
employee-frank	Running	283019	carbra-ft	Incremental	2021-12-01 12:00:36	2021-12-01 11:30:36	0.00 B
employee-zales	Success	283018	zales-ft	Incremental	2021-12-01 09:36:02	2021-12-01 09:38:20	477.25 MB
employee-badener	Waiting	283017	badener-ft	Full	2021-12-01 11:55:04	2021-12-01 12:01:21	0.00 B
employee-ting	Failure	283016	ting-ft	Incremental	2021-12-01 11:58:53	2021-12-01 11:24:23	0.00 B
employee-frank	Waiting	283015	frank-ft	Full	2021-12-01 11:54:27	2021-12-01 12:00:34	0.00 B
employee-estor2	Running	283014	estor2-ft	Incremental	2021-12-01 12:30:32	2021-12-01 12:00:32	0.00 B
ext-chat2.bases.com-job	Success	283012	ext-chat2.bases.com-ft	Incremental	2021-11-24 04:00:18	2021-11-24 04:03:41	3.96 GB
ext-cms.dbase-it.de-job	Success	283011	ext-cms.dbase-it.de-ft	Incremental	2021-11-19 20:18:06	2021-11-19 20:18:14	384.19 MB

Showing 1 to 10 of 78 rows rows per page

Job Totals



Jobs	Files	Bytes
64,996	428,858,644	75.88 TB

Running Jobs



- employee-estor2 (estor2-ft) Job ID: 283014
- ext-support.bases.com-job (ext-support.bases.com-ft) Job ID: 283021
- employee-frank (carbra-ft) Job ID: 283019

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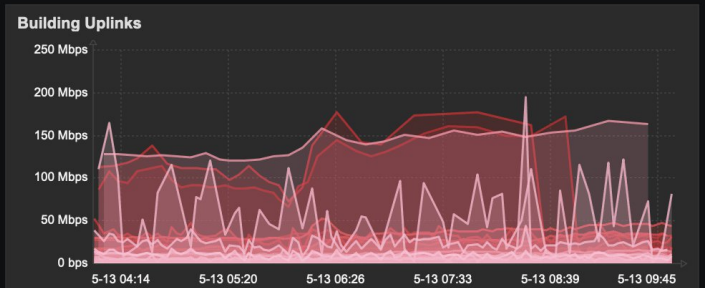
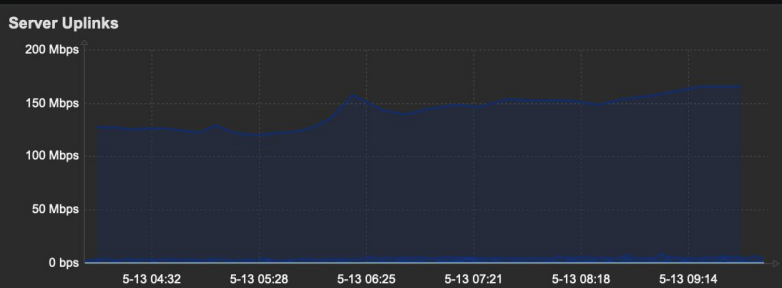
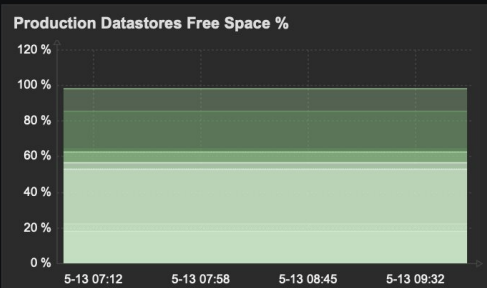
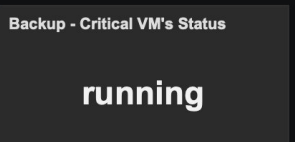
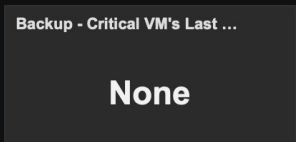
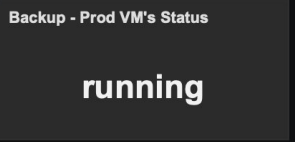
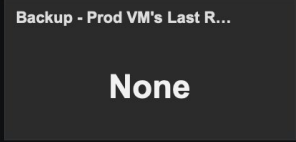
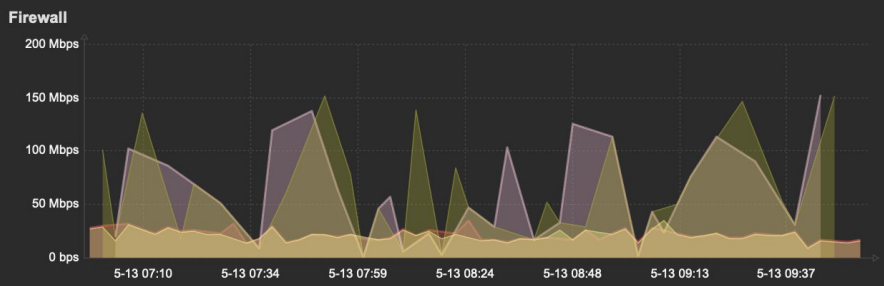
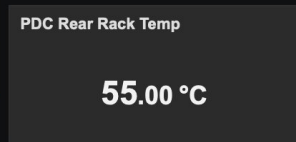
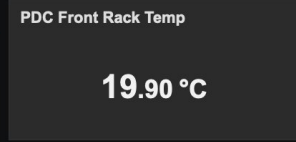
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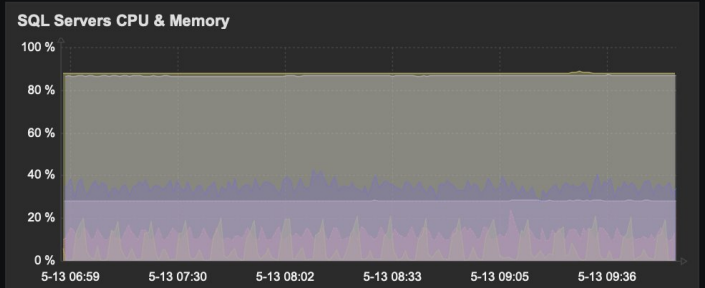
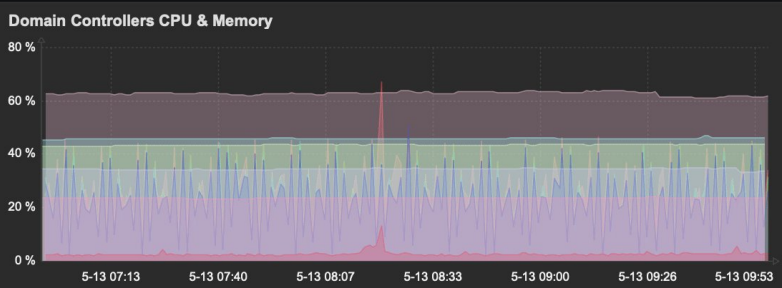
3. Enterprise grade backups - Bareos

4. Monitoring of VMs, containers, and all other resources - Zabbix



Problems

Time	Info	Host	Problem • Severity	Duration	Update	Actions
07:46:27		Zabbix server	Zabbix server: Utilization of poller processes over 75%	2h 10m 8s	Update	3
Today						
2023-05-12 11:56:03		Chambers-MS-eth-sw1	Interface TwoPointFiveGigabitEthernet7: Link down	22h 32s	Update	3
2023-05-12 11:08:47		PAC-BoxOffice	Interface TwoPointFiveGigabitEthernet3: Link down	22h 47m 48s	Update	3
Yesterday						
2023-05-06 07:48:54		GrandStand-Bath-eth-sw1	Unavailable by ICMP ping	7d 2h 7m	Update	
May						
2023-01-24 19:41:24		UPS - Chambers	UPS - Chambers is unavailable by ICMP	3M 18d 15h	Update	2



Top hosts by CPU utilization

Host	Utilization
Latona	34.49 %
SR-DC-01	34.19 %
SR-DC-02	31.96 %
SR-DC-03	31.48 %
SR-Cameras-02	27.87 %
SR-Cameras-01	26.76 %
SR-DC-04	26.27 %
Zabbix server	25.44 %
SR-APP-01	24.85 %

Top hosts by Memory utilization

Host	Utilization
SR-SQLDEV-02	91.65 %
SR-SQL-01	88.15 %
Latona	87.24 %
SR-Prod-File-01	66.52 %
SR-APP-01	64.04 %
SR-DC-01	62.05 %
SR-Cameras-02	61.30 %
SR-ADFS-01	60.95 %
SR-Print-02	60.25 %

Top hosts by Uptime

Host	Uptime
SR-Cameras-02	21 days, 20:00:35
SR-SCCM-02	20 days, 01:11:22
SR-PowerBI-01	20 days, 00:59:57
SR-Prod-File-01	20 days, 00:58:07
SR-SQL-01	20 days, 00:54:39
SR-SQLDEV-02	19 days, 16:16:36
sr-web-02.cogs.nsw.edu.au	19 days, 16:05:31
VM-Jumphost-ICTOPS	14 days, 21:25:41
SR-DC-03	11 days, 20:20:04

System information

Parameter	Value	Details
Zabbix server is running	Yes	localhost:10051
Number of hosts (enabled/disabled)	483	477 / 6
Number of templates	347	

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5. SingleSignOn (LDAP, SAML, Oauth) – Keycloak



master

Manage

Clients

Client scopes

Realm roles

Users

Groups

Sessions

master

Realm settings are settings that control the options for users, applications, roles, and



General

Login

Email

Themes

Keys

Events

Realm ID *

master

Display name

Keycloak

HTML Display name

```
<div class="kc-logo-text"><span>Keycloak</span></div>
```

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6. Secrets management – Vaultwarden, OpenBao (open HC Vault)

What's next?

What's next?

- Expanding the #rabt campaign (not owning it)
- Besa project (used from as many people as possible)
- Share our recipe as much as we can (more managed hosting teams = easier for more people to use FLOSS)
- Join solidarity networks
- Support in any way possible local events (like this one)
- Ideas from you?

Last but not least

Last but not least



Celebrating a birthday without candies + cake!



Grazie mille!

YOU KNOW WHAT REALLY GRINDS MY GEARS



Boris@cloud68.co

Redon@cloud68.co

Questions?

Boris@cloud68.co

Redon@cloud68.co