We are back!

A bit late but better late than never!

First of all we say thanks to the plague doctors!

- Some of us passed the virus, near future looks bright
- It's been a short year.. time flies!

This year we are also doing it on the interwebs.

Thanks

This event wouldnt be possive without the organizers, musicians and speakers!

- pancake, murphy, skuater

Speakers

- austin, hot3eed, shao, mrbanana, tim, oleavr, unixfreaxjp, fdd, lazymio, lars,

Chiptune:

- 3d63, vaultKid, HavocCc, GameGenieSokolov, WatchOutForSnakes, 4dboy

Merchandising and Visuals

- Sergi from camisetasFrikis, neuroflip for the visuals

Trainings

As long as long live videos use to be hard to follow we decided to shorten the trainings and hold these this year:

- Problem Solving by Tim
- Developers introduction by pancake
- r2frida workshop to fit in 1h by Murphy

Conference

That's the second online r2con, what's to come is still unknown.

- Many people was interested in the r2-fanzine, but nobody sent any proposal for the CFP. So it was cancelled
- Moved 1 month forward (Sept-11 -> Oct-1st)
  - For personal reasons and because it was a pain for many people to attend because of end-of-vacations / school / back-to-work / ..
- This is non-profit, and all the contents will be freely available for everyone without any cost.
- 14 presentations, 2 trainings and 1 workshop!
- This year with stunning 1080p streaming!

CTF

https://ctf.radare.org

Registration opened today.

Starts today **Sep 30th at 16:15 (CEST)**

It will **finish** Saturday **oct 2nd at 19:00 (CEST)**

Easy / Medium / Hard Challenges.

Using different architectures and formats. (even Games ;))

All challenges should be solved using Radare2

write-ups will be requested to the winner via the registered email.

CTF

Thanks to all of you to make the CTF possible!

- Mario Vilas @Mario_Vilas
- Arnau Gàmez @arnaugamez
- Oriol castejon @foolisses
- Pancake @trufae
- Sylvain Pelissier @pelissier_s
- Alex Soler @asoler

We hope you enjoy it a lot!

R2WARS

This time we accept bots written for:

- x86-32/64
- Arm32/64
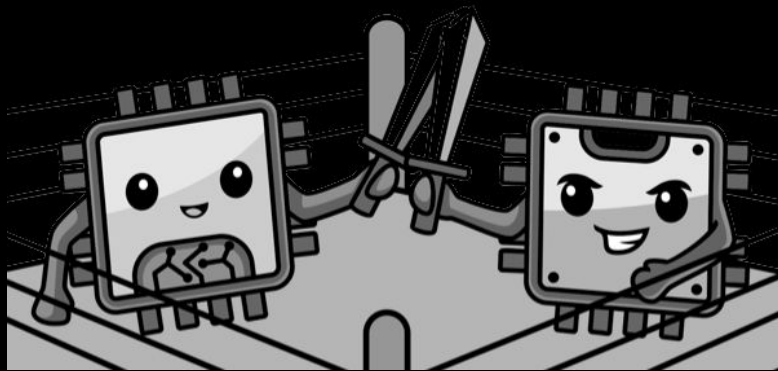- Mips32/64
- Next Year: RISCV (added for testing)

Access the telegram channel at the following link
https://t.me/joinchat/UOvv7-SDukF1N1b7

send your bots to @sanguinawer

- Train your bots during the first two days
- Run the competition the last day!
- Only first position wins

Rewards

- only first position for r2wars and ctf wins

Free merch at will and hackbox giftcard!

HACKTHEBOX

HTB GIFT CARD
For HTB Platform use

R2WARS Introductory Video

Chiptune Party!

As we did in previous editions, we are holding once again a concert at the end of the conference.

I'm sure more than one will miss those live concerts to discharge all the stress and lockdowns all this time, so we are proud to have all those amazing artists with us!

Let's dance safely at home once again! 🍻

Retrospective since r2-4.x

What happened during 2021 in r2land?

Lots of changes in the contributors list

- Recovering energy and motivation, redefining priorities
- We are here for the fun but respect is basic common sense
- Community rules written up and agree
- Clarified license issues
- Writeup security rules

In numbers

- 8 releases with 1506 commits from 108 contributors

New chats

- Goodbye Freenode (Welcome Librechat)
- Adding Discord server

New Old platforms!

Better release builds cooked in the ci

- Vinix
- HaikuOS
- SerenityOS
- ReactOS (Windows XP)
- MVS
- PDP11
- UNICOS
- TIC80
- Amiga Hunks
- V850
- WebAssembly
- NetBSD / VAX

Development highlights

- Switch to capsstone5 and add the Vector35 disassembler for arm64
- RTable used in many places (See the comma suffix)
- Improved IO, Analysis and Emulation speed and quality for most archs
- Static Builds are now self-contained
- More signature metrics and better and faster matches
- Support more FPU and MMX instructions for X86-64 and ARM-64
- Implemented streaming support in r_fs, large transfers are now possible
- Ravc2 yet another version control system? Projects!
- Support Rust, V and REXX for r2pipe, improved Python ones
- Merge the IOBanks branch from Condret
- Charsets support (ebcdic, pokemon, ascii, ..)
- Removed newshell improve the oldshell
- \ and ' commands are now deprecated. Use =! Or :

Future plans for 6.x

Roadmap defined by the contributors

- Focus on stability, portability, performance and features. :think:

if you think a specific bug or feature is critical for you take action!

- Support more targets for the debugger
- Refactor diff, merge parse into asm
- Better analysis, var and type analysis
- Shared versioned projects and rollback support
- Multiple sessions, r2pipe2, bindings
- Improved IO, caching and networking
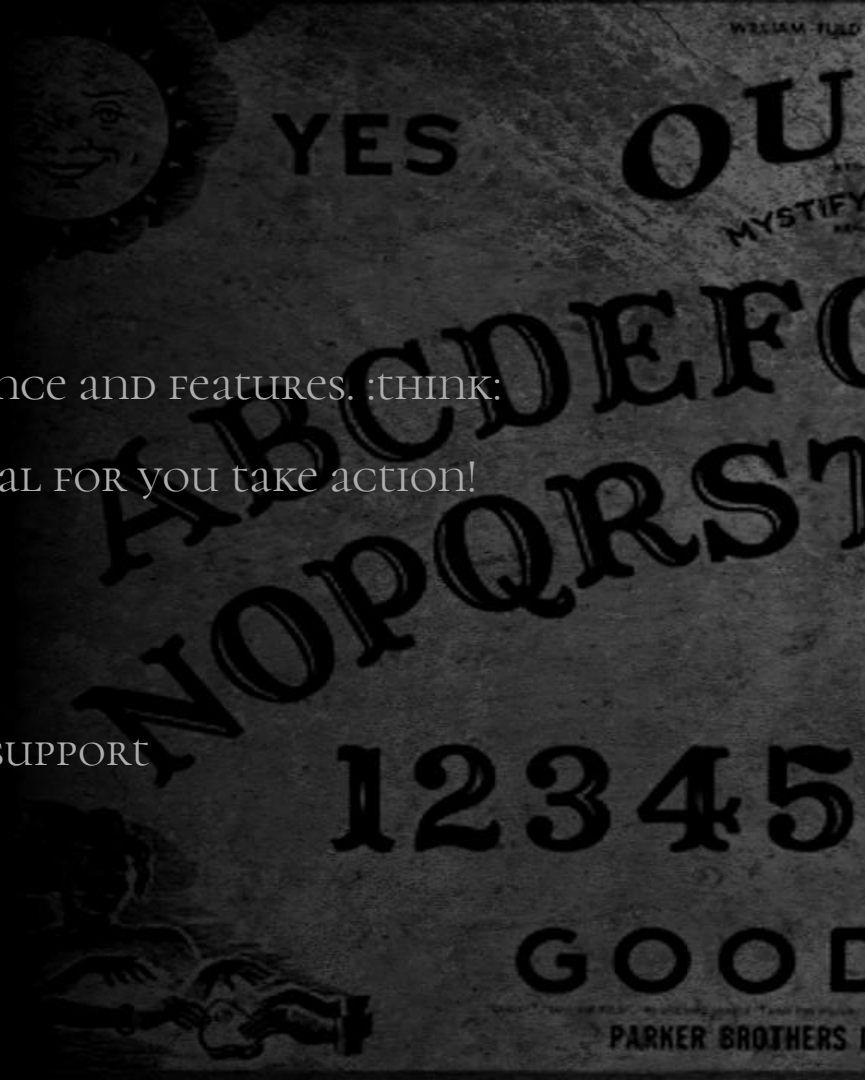
Side projects

- R2frida - swift, instance calls, fs, tracing, windows support
- R2ghidra - improved dist, ci, integration with R2
- Esilsolver - rewrite in rust
- R2pm - no windows support yet
- R2env - too young but slowly improving
- R2dec - moved to github/wargio, maintained and sync
- Iaito - continuation of cutter keeping r2 as backend
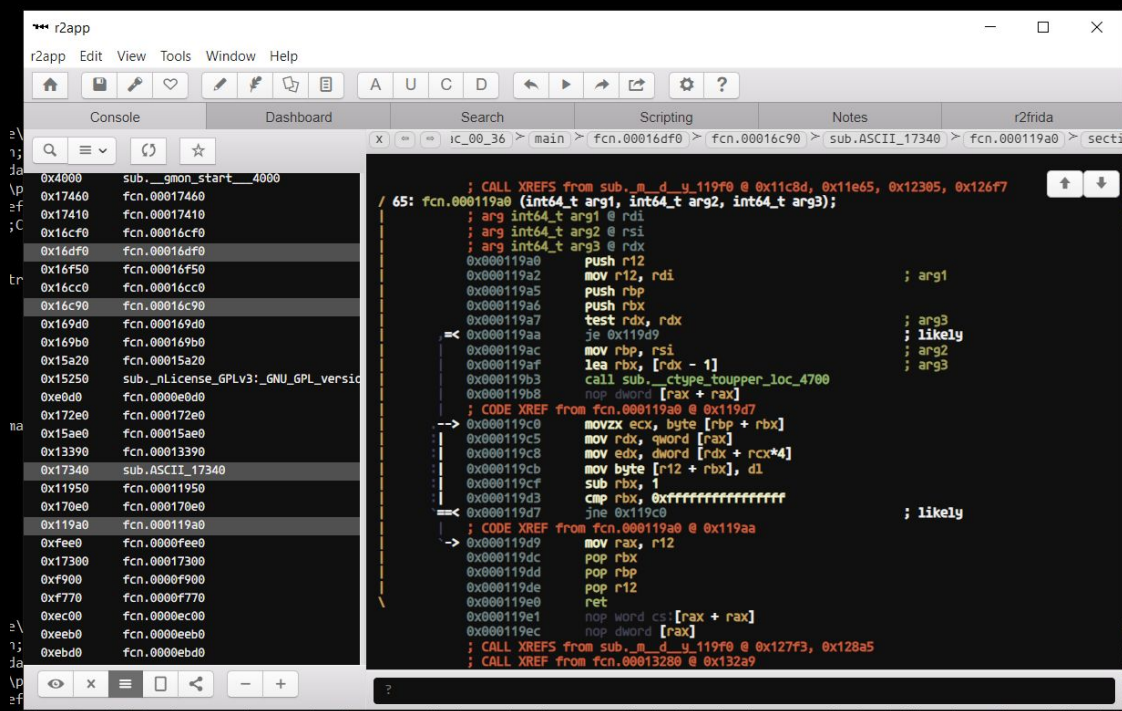- R2app - ...
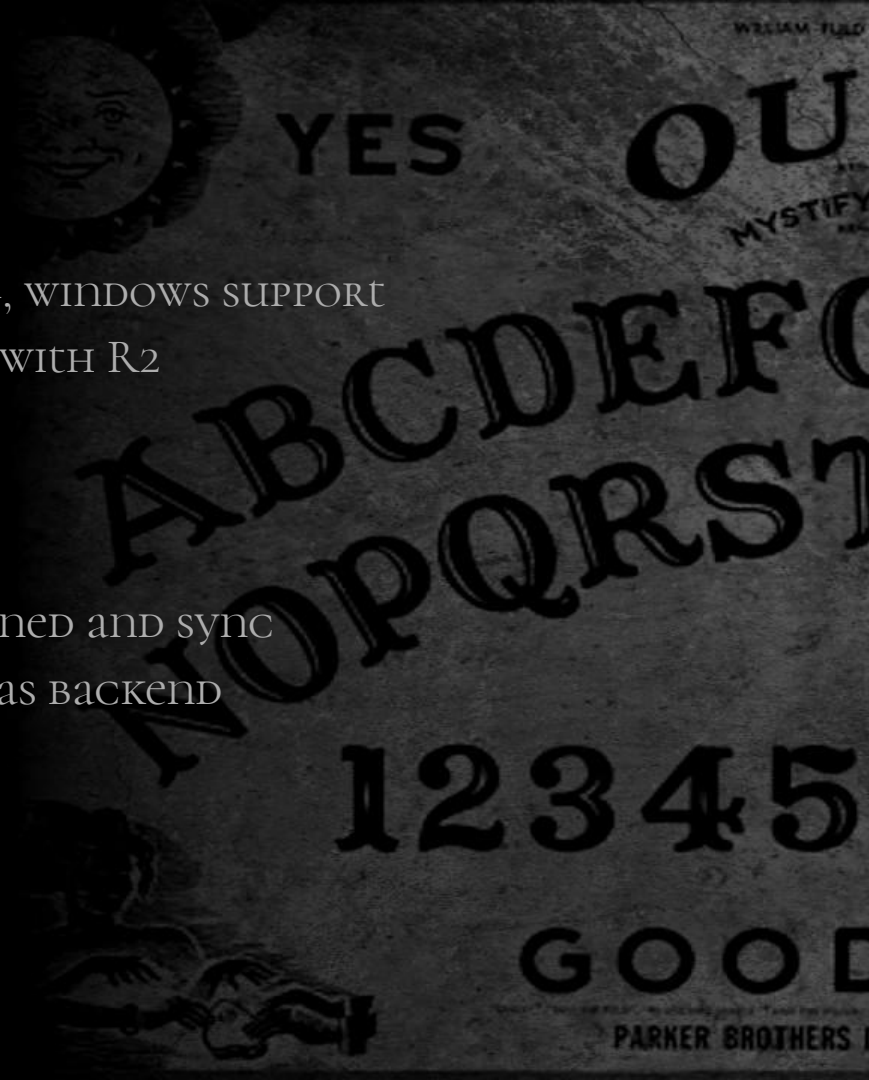
R2App

Another private r2ui..

Wont be released yet :D

- mac/linux/windows
- Based on electron
- Vanilla JS
- Photon+custom widgets
- Extensible
- Scriptable

Let's begin!