

# r2web

Access radare2 from anywhere, anytime





```
$ whoami

Name:  Abhi
Role:  Hobby Reverse Engineer / Developer
Focus: Android Security Research

Social Links:

GitHub:  https://github.com/AbhiTheModder
Blog:    https://qbtaumai.pages.dev
Telegram: @AbhiTheM0dder

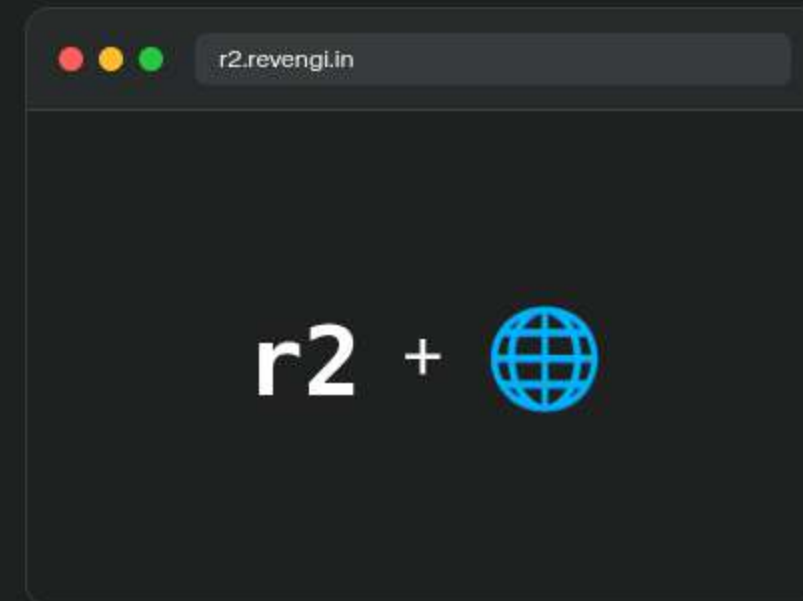
$
```

The image shows a terminal window with a dark background and light green text. The window has a title bar with three colored circles (red, yellow, green) on the left and the word "Terminal" on the right. The command prompt is "\$". The output of the "whoami" command is displayed in a structured format. The "Social Links" section is highlighted in light green. The links are underlined. The terminal window is centered on the page.











## What is r2web?

- Browser-based radare2 interface
- No installation or setup required
- Runs entirely client-side using WebAssembly
- Familiar terminal experience in your browser
- Cross-platform compatibility



# Key Features

-  Browser-based - No installation required
-  Cross-platform - Works on any modern browser
-  Terminal Interface - Familiar r2 command experience
-  Keyboard Shortcuts - Quick navigation (Ctrl+G)
-  Search - Find content in large outputs
-  Custom Versions - Use different r2 versions
-  Quick Buttons - Common commands (pd, px, iz)
-  File Upload - Multiple file support

## How it Works

1

### Upload Binary File

User uploads binary file to browser

2

### Virtual Storage

File stored in virtual filesystem

3

### WASM Initialization

Wasmer initializes r2wasm instance

4

### Terminal Interface

XTerm.js provides terminal interface

5

### Command Execution

User executes radare2 commands

6

### Results Display

Results displayed in terminal



Current Status

↗ Stable Enough (WIP)

Current Limitations

- ⚠ Expect bugs and missing features
- 💾 Can save modified files (6.0.3 onwards only)
- 🌐 Requires modern browser

# Use Cases



## Reverse Engineering Education

Perfect for teaching and learning RE concepts without installation hassles



## Quick Binary Analysis

Rapid analysis of binaries without setting up local environments



## Cross-platform RE Work

Work on any device with a modern web browser



## Mobile Device Analysis

Analyze binaries even on mobile devices and tablets



## Workshops and Demos

Ideal for conferences, workshops, and demonstrations

## Getting Started



### Clone Repository

```
git clone https://github.com/AbhiTheModder/r2web.git
```



### Install Dependencies

```
bun install (or npm/yarn)
```



### Run Development Server

```
bun dev
```



### Access Application

```
Open browser to localhost:5173
```





## Demo & Links




### Live Demo

Experience r2web in action


 Try Live Demo

### Similar projects

 radare2 online

 r2wasm

# Thank You!

 [github.com/AbhiTheModder](https://github.com/AbhiTheModder)

 [r2.revengi.in](https://r2.revengi.in)



 Star on GitHub

