

# The High Assurance Software Group Epic

High Assurance Software Group

Tweag.io

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**TWEAG**

# Introduction

## Who are we?

- A technical group among Tweag engineers
- Lucas, Florent, Carl, Facundo, Mathieu, Nicolas and Georg
- We have formal methods background
- Created a bit more than a year ago around auditing activity

## What do we do?

- Advocate for software safety
- We audit Cardano smart contracts
- We maintain cooked-validators and Pirouette
- We conduct research activities and aim for extending our involvement in formal methods community

The logo for TWEAG, featuring the word "TWEAG" in a bold, black, pixelated font.

- ➊ Introduction: the HAS group
- ➋ Our auditing activity
- ➌ Testing smart contracts: Cooked-validators
- ➍ Pirouette, a symbolic evaluator engine
- ➎ Liquid Haskell and the HAS
- ➏ Conclusion