



Attacks on DAOs

The Ethereum blockchain hosts multiple decentralized applications, such as decentralized exchanges, lending protocols, name services, etc. These protocols are generally not a single party, but instead governed by governed in decentralized manner by a *decentralized autonomous organization (DAO)*.

Generally, these DAOs make decisions regarding the future of the protocols by adjusting the protocol's parameters or distributing the protocol's funds. The decisions made by the DAOs can be very influential. Thus, it is important to better understand their workings and vulnerabilities.

In this thesis, we want to explore the costs of possible attacks on DAOs and investigate whether such attacks are already taking place.

This project will allow you to gain deeper insights into the world of decentralized applications on Ethereum and DAOs.

Requirements: An interest and experience with blockchain is a plus. We will have weekly meetings to discuss open questions and determine the next steps.

Interested? Please contact us for more details!

Contact

- Lioba Heimbach: hlioba@ethz.ch, ETZ G95
- Yann Vonlanthen: yvonlanthen@ethz.ch, ETZ G97

