FOCIL interop session in Berlin

R&D Session at Forschungsingenieurtagung - Wednesday June 11th, 3pm.

Duration: 1 hr

Moderator: [Thomas Thiery ()](#)
Note taker: TBA

Agenda

[5 mins] FOCIL session intro *by Thomas*

[10 mins] FOCIL implementation status (inter, testing, etc…) *by Jihoon*

[10 mins] FOCIL synergies with other EIPs *by Francesco*

[5 mins] Q and A

[10 mins] FOCIL and statelessness *by Carlos*

[10 mins] zkFOCIL and statelessness *by Benedikt*

[10 mins] FOCIL and the future of nodes *by Barnabé*

Summary

This session explores the current state of FOCIL [EIP-7805 (https://eips.ethereum.org/EIPS/eip-7805)](https://eips.ethereum.org/EIPS/eip-7805), starting with an overview and implementation update. We will then explore FOCIL's interaction with other protocol changes (e.g., [delayed execution (https://eips.ethereum.org/EIPS/eip-7886)](https://eips.ethereum.org/EIPS/eip-7886), [BALs (https://eips.ethereum.org/EIPS/eip-7928)](https://eips.ethereum.org/EIPS/eip-7928), [ePBS (https://eips.ethereum.org/EIPS/eip-7732)](https://eips.ethereum.org/EIPS/eip-7732)) and highlight current research that offers insight into the future of censorship resistance on Ethereum, including [stateless FOCIL (https://ethresear.ch/t/a-pragmatic-path-towards-validity-only-partial-statelessness-vops/22236)](https://ethresear.ch/t/a-pragmatic-path-towards-validity-only-partial-statelessness-vops/22236) and [zkFOCIL (https://ethresear.ch/t/zkfocil-inclusion-list-privacy-using-linkable-ring-signatures/21688)](https://ethresear.ch/t/zkfocil-inclusion-list-privacy-using-linkable-ring-signatures/21688).

Goals

The presentations will provide an update on FOCIL's status as an EIP and proposed [candidate as a headliner for the Glamsterdam fork (https://ethereum-magicians.org/t/eip-7805-fork-choice-inclusion-lists-focil-as-a-candidate-for-glamsterdam/24342/2)](https://ethereum-magicians.org/t/eip-7805-fork-choice-inclusion-lists-focil-as-a-candidate-for-glamsterdam/24342/2). They will also serve as a forum to discuss ongoing research into the long-term vision for censorship resistance on Ethereum, helping shape an informed and deliberate path forward.

Pre-reads

Here are some resources to warm up on relevant topics:

- FOCIL EIP-7805 (https://eips.ethereum.org/EIPS/eip-7805)
- EIP-7805 Fork-Choice Inclusion Lists (FOCIL) as a candidate for Glamsterdam (https://ethereum-magicians.org/t/eip-7805-fork-choice-inclusion-lists-focil-as-a-candidate-for-glamsterdam/24342)
- A pragmatic path towards Validity-Only Partial Statelessness (VOPS) (https://ethresear.ch/t/a-pragmatic-path-towards-validity-only-partial-statelessness-vops/22236/1)
- zkFOCIL: Inclusion List Privacy using Linkable Ring Signatures (https://ethresear.ch/t/zkfocil-inclusion-list-privacy-using-linkable-ring-signatures/21688/1)
- FOCIL ressources and implementation status on https://meetfocil.eth.limo/ (https://meetfocil.eth.limo/)