

title: [TEMP CHECK] Introducing “Curator” by Llama

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Summary

This publication introduces the Curator

by Llama.

The Curator

is a dedicated contract for managing the exchange of assets with MEV and price-impact protection, where possible.

The below provides a high level overview of the functionality provided by the Curator:

- Swap Assets
- Acquire LSTs
- Transfer Assets

Motivation

The DAO is required to exchange assets. This could be to reduce the DAOs exposure to long tail assets or to increase stable coin holdings to facilitate payment to various service providers. It is not possible to perform swaps directly from the Collector / Treasury Contract. After much discussion, [@llamaxyz](#) and [@bgdlabs](#) have concluded that it is not viable to upgrade the Collector Contract to facilitate the efficient management of the DAO's assets. As a result, a series of separate contracts are required.

A part of this solution is the Curator

. The Curator

receives assets from the Collector / Treasury Contract, swaps (or deposits) assets and sends the newly received asset to another address. The Curator

is intended for solely exchanging assets and not holding assets.

The first iteration of the Curator

is to be deployed on Ethereum and then later introduced to other networks. On Ethereum, the Curator

is to interact with CoW Swap, Lido Protocol, and Rocket Pool contracts.

To limit the surface area of the contract, an AllowList

will define which contracts the Curator

can be interacted with. The ShortExecutor

must first add each contract address to the AllowList

.

It is possible to assign the curatorRole()

to a specified wallet address, Treasury Manager. The curatorRole

can then only interact with contract on the AllowList

set by governance. The AllowList

eliminates the risk of the Curator

interacting with a malicious contract or running away with the DAO's funds. The intent is to implement the highest heirarchy of control.

For future deployments of the Curator

on other networks, the aggregator protocol used to swap assets with MEV protection does so over a lengthy time horizon. This prevents any further steps performed by the same AIP submission. In these instances the curatorRole

offers more flexibility and reduces the AIP overhead.

Each Curator deployment will contain different functionality tailored to that network and Aave DAO's needs. As a result, each deployment will be presented to Aave DAO as an [ARFC] proposal for the community to discuss and vote on.

During the initial deployment on Ethereum, [@Llamaxyz](#) advocates for using the ShortExecutor

to perform all the necessary transactions. The curatorRole

can be assigned at a later date.

Specification

The Ethereum Curator will provide the following functionality to Aave Protocol:

1. Receive assets from the Treasury (assets must be pushed)
2. Redeem aTokens for underlying spanning Aave v1, v2, and v3
3. Swap assets via CoW Swap with MEV protection and using Milkman
4. No reentrant
5. Cancel trade
6. Rescue tokens
7. allowTokens(address

tokens) onlyExecutorOrAllowedCaller

1. Deposit ETH into Lido Finance Protocol to receive stETH
2. Wrap stETH to create wstETH
3. Deposit ETH into Rocket Pool's contract to receive rETH
4. Transfer assets to Treasury
5. Call a function to deposit assets in Aave v3 on behalf of Treasury
6. Allow-list tokens/contracts that can be interacted with
7. Allow-list Executor and approved multisig, CuratorRole().

The Curator will contain an AllowList

defining which contracts the contract can interact with. The AllowList

can only be updated by Aave Governance via the ShortExecutor

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Next Steps

Upon receiving a favourable Snapshot vote, [@Llamaxyz](#) will continue finalising the payload in preparation for submitting to [@BGDLabs](#) for peer review. An [ARFC] post will be shared and progressed through governance.

The [ARFC] publication will provide greater insights to the functions on the contract and the Treasury Committee will be a separate [ARFC].

Disclosure

[@Llamaxyz](#) is a service provider to Aave DAO. Llama is not presenting this ARFC on behalf of any third party and is

compensated by only Aave DAO for creating this ARFC. This is the sole work of the named authors.

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