

## Scaling V4 and Supporting Unichain

## Summary

Simulation completed with errors for proposal: "Scaling V4 and Supporting Unichain".

**Status: ERROR**

### Proposal Description

## Protocol Fee Changes

This proposal adjusts protocol fees to optimize the system's economic incentives while maintaining competitive advantages in the market.

### Checks Performed

**Reports all state changes from the proposal**

- **Status:** passed
- **Details: Info:** KeeperRegistry at 0x02777053d6764996e594c3E88AF1D58D5363a2e6

**Info:** Slot 0x0501829a2098cd24ef0e30c5f88882a2714e55fb810652c8592bc4a0915fbaf changed from "0x000000025e35f9ca303bf6b5d9efa0a617c0552f1558c95993aa8b8a68b3e709c" to "0x000000025e3fb27d24cd2dbe9efa0a617c0552f1558c95993aa8b8a68b3e709c"

**Info:** Uni (Uniswap) at 0x1f9840a85d5aF5bf1D1762F925BDADdC4201F984

[illegible]

- [illegible]

**Decodes target calldata into a human-readable format**

- **Status:** passed
- **Details:** Info: 0x1a9c8182c09f50c8318d769245bea52c32be35bc calls transfer(0x3B59C6d0034490093460787566cd5D6cE17f2f9C, 51000000000000000000000000) on Uni (Uniswap) at 0x1f9840a85d5aF5bf1D1762F925BDADdC4201F984 (decoded from ABI)
- **Info:**
  - 0x1a9c8182c09f50c8318d769245bea52c32be35bc calls transfer(0x3B59C6d0034490093460787566cd5D6cE17f2f9C, 51000000000000000000000000) on Uni (Uniswap) at 0x1f9840a85d5aF5bf1D1762F925BDADdC4201F984 (decoded from ABI)

**Reports all events emitted from the proposal**

- **Status:** passed
- **Details: Info:** Uni (Uniswap) at 0x1f9840a85d5aF5bf1D1762F925BDADdC4201F984

**Info:** Transfer(from: 0x1a9c8182c09f50c8318d769245bea52c32be35bc, to: 0x3b59c6d0034490093460787566dc5d6ce17f2f9c, amount: 5100000000000000000000)

**Info:** KeeperRegistry at 0x02777053d6764996e594c3E88AF1D58D5363a2e6

[illegible]

- Info:
  - Uni (Uniswap) at 0x1f9840a85d5aF5bf1D1762F925BDAdC4201F984
  - `Transfer(from: 0x1a9c8182c09f50c8318d769245bea52c32be35bc, to: 0x3b59c6d0034490093460787566dc5d6ce17f2f9c, amount: 5100000000000000000000)`
  - KeeperRegistry at 0x02777053d6764996e594c3E88AF1D58D5363a2e6

[illegible]

**Check all targets are verified on Etherscan**

- **Status:** passed
- **Details:** Info: [0x1f9840a85d5aF5bf1D1762F925BDAdC4201F984](#) : Contract (verified)
- **Info:**
  - [0x1f9840a85d5aF5bf1D1762F925BDAdC4201F984](#) : Contract (verified)

**Check all touched contracts are verified on Etherscan**

- **Status:** passed
- **Details: Info:** [0x33512418380F170e5752Fc233F1326f3e805eA62](#) : Contract (not verified)

**Info:** [0x02777053D6764996e594C3e88aF1D58d5363a2E6](#) : Contract (verified)

**Info:** [0x1f9840a85d5aF5bf1D1762F925BDADdC4201F984](#) : Contract (verified)

- **Info:**
  - [0x33512418380F170e5752FC233F1326f3e805eA62](#) : Contract (not verified)
  - [0x02777053D6764996e5943Ce88aF1D58d5363a2F6](#) : Contract (verified)
  - [0x1f9840a85d5aF5bf1D1762F925BDAdc4201F984](#) : Contract (verified)

**Check all targets do not contain selfdestruct**

- **Status:** passed
- **Details:** Info: [0x1f9840a85d5a5fbf1d1762f92580Adc4201f984](#) : Contract (looks safe)
- **Info:**
  - [0x1f9840a85d5a5fbf1d1762f92580Adc4201f984](#) : Contract (looks safe)

**Check all touched contracts do not contain selfdestruct**

- **Status:** warning
- **Details:** Warning: [0x33512418380F170e5752Fc233F1326f3e805eA62](#) : EOA (may have code later)

**Info:** [0x02777053D6764996e594C3e88aF1D58d5363a2E6](#) : Contract (looks safe)

**Info:** [0x1f9840a85d5aF5bf1D1762F925BDADdC4201F984](#) : Contract (looks safe)

- Info:
  - [0x02777053D6764996e594C3e88aF1D58d5363a2E6](#) : Contract (looks safe)
  - [0x1f9840a85d5aF5bf1D1762F925BDAdC4201F984](#) : Contract (looks safe)

### Reports on whether the caller needs to send ETH with the call

- **Status:** passed
- **Details:** **Info:** No ETH is required to be sent by the account that executes this proposal.
- **Info:**
  - No ETH is required to be sent by the account that executes this proposal.

## Slither static analysis

- **Status:** passed
- **Details:** Slither report for Uni (Uniswap) at `0x1f9840a85d5aF5bf1D1762F925BDADDc4201F984`

```
'solc --standard-json --allow-paths /home/runner/work/governance-seatbelt/governance-seatbelt' running
Warning: crytic-export/etherscan-contracts/0x1f9840a85d5aF5bf1D1762F925BDAddC4201F984-Uni.sol:6:1: Warning: Experimental features
are turned on. Do not use experimental features on live deployments.
pragma experimental ABIEncoderV2;
^-----^

INFO:Detectors:
Uni._writeCheckpoint(address,uint32,uint96,uint96) (crytic-export/etherscan-contracts/0x1f9840a85d5aF5bf1D1762F925BDAddC4201F984-
Uni.sol#543-554) uses a dangerous strict equality:
    - nCheckpoints > 0 && checkpoints[delegatee][nCheckpoints - 1].fromBlock == blockNumber (crytic-export/etherscan-
contracts/0x1f9840a85d5aF5bf1D1762F925BDAddC4201F984-Uni.sol#546)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dangerous-strict-equalities

INFO:Detectors:
Uni.constructor(address,address,uint256).minter_ (crytic-export/etherscan-contracts/0x1f9840a85d5aF5bf1D1762F925BDAddC4201F984-
Uni.sol#272) lacks a zero-check on :
    - minter = minter_ (crytic-export/etherscan-contracts/0x1f9840a85d5aF5bf1D1762F925BDAddC4201F984-Uni.sol#277)
Uni.setMinter(address).minter_ (crytic-export/etherscan-contracts/0x1f9840a85d5aF5bf1D1762F925BDAddC4201F984-Uni.sol#286) lacks a
zero-check on :
    - minter = minter_ (crytic-export/etherscan-contracts/0x1f9840a85d5aF5bf1D1762F925BDAddC4201F984-Uni.sol#289)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#missing-zero-address-validation

INFO:Detectors:
Version constraint ^0.5.16 contains known severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
```

solc-0.5.16 is an outdated solc version. Use a more recent version (at least 0.8.0), if possible.  
Reference: <https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity>

INFO:Slither:0x1f9840a85d5aF5bf1D1762F925BDADdC4201F984 analyzed (2 contracts with 100 detectors), 8 result(s) found

- **Info:**
  - Slither report for Uni (Uniswap) at 0x1f9840a85d5aF5bf1D1762F925BDADdC4201F984

```
'solc --standard-json --allow-paths /home/runner/work/governance-seatbelt/governance-seatbelt' running
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are turned on. Do not use experimental features on live deployments.
pragma experimental ABIEncoderV2;
^-----^
```

INFO:Detectors:  
Uni.\_writeCheckpoint(address,uint32,uint96,uint96) (crytic-export/etherscan-contracts/0x1f9840a85d5aF5bf1D1762F925BDADdC4201F984-Uni.sol#543-554) uses a dangerous strict equality:  
- nCheckpoints > 0 && checkpoints[delegatee][nCheckpoints - 1].fromBlock == blockNumber (crytic-export/etherscan-contracts/0x1f9840a85d5aF5bf1D1762F925BDADdC4201F984-Uni.sol#546)  
Reference: <https://github.com/crytic/slither/wiki/Detector-Documentation#dangerous-strict-equalities>

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INFO:Slither:0x1f9840a85d5aF5bf1D1762F925BDADdC4201F984 analyzed (2 contracts with 100 detectors), 8 result(s) found

## State Changes

### Change 1

- **Contract:** GovernorBravo
- **Address:** 0x408ED6354d4973f66138C91495F2f2FCbd8724C3
- **Key:** 0x0c202ea59841d8
- **Old Value:** 0x382ec82da4363
- **New Value:** 0x04dd5a5c034978

### Change 2

- **Contract:** KeeperRegistry
- **Address:** 0x02777053d6764996e594c3E88AF1D58D5363a2e6
- **Key:** 0xaca72a7377f1c8
- **Old Value:** 0xafd01837cafbe
- **New Value:** 0x29488402bf5878

## Events Emitted

### Metadata

- **Proposal ID:** 42
- **Proposer:** 0xaec3ca1a635b3
- **Governor Address:** 0x408ED6354d4973f66138C91495F2f2FCbd8724C3
- **Executor:** 0xd3de319e2a8c9
- **Simulation Block Number:** 22055580
- **Simulation Timestamp:** 1750202264
- **Proposal Created At Block:** 22076825
- **Proposal Created At Timestamp:** 1750182663
- **Proposal Executed At Block:** 22411973
- **Proposal Executed At Timestamp:** 1750193270