BREWTFORCE

Stateless batcher v1 Internal Review

Summary

Project Name	Espresso
Language	Go
Codebase	https://github.com/EspressoSystems/nitro-espresso-integration
Delivery Date	12/05/2025
Team	0xKato, Jarred Parr
Commit(s)	https://docs.google.com/spreadsheets/d/1LLY8PFm52K2kf8myKeACwgXojj7MEGJRfsZcF4wCYiI/edit?gid=0#gid=0

Vulnerability Summary

Vulnerability Level	Total	Pending	Declined	Acknowledged	Partially Resolved	Resolved
● Critical	0	0	0	0	0	0
● High	0	0	0	0	0	0
● Medium	0	0	0	0	0	0
● Low	1	0	0	0	0	1

Global-1 | Force inclusion can lead to caff node halt

Category	Severity	Location	Status
Liveness Violation	● Low	Global	Confirmed

Description

The `FetchWithMajority` function assumes multiple nodes to reach consensus, but we don't enforce `len(nodes) > 1`, so with only one node, majority can never be reached, causing requests to fail or block unnecessarily.

Recommendation

Add a check to enforce that more than 1 node is set.

Resolution

Disclaimer

This report is an internal review and should not be considered an "endorsement" or "disapproval" of any particular part of the codebase. It does not provide any warranty or guarantee regarding the absolute bug-free nature of the analyzed technology, nor does it reflect the economics, value, business model, or legal compliance.

This report should not be used to make investment or involvement decisions. It is not a substitute for external reviews and should not be taken as investment advice. Instead, it serves as part of an internal assessment process aimed at helping improve the quality of the code.

The goal is to help reduce attack vectors and risks associated with evolving technologies, we do not claim any guarantees regarding security or functionality of the technology analyzed. We do not guarantee the explicit security of the audited code, regardless of the findings.