

Alphix

Commit: <https://github.com/olympix/customer-code-assignments/commit/be635387c3f61e18a6109c8bec31656dea278270>

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BugPoCer Scan Report

[Low] [call_to_non_contract_registry](#)

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Unit Name: Alphix

Location: Alphix.sol: setRegistry

Description: `setRegistry(address newRegistry)` accepts any address and immediately calls `IRegistry(newRegistry).registerContract(...)` twice without verifying `newRegistry.code.length > 0` or interface support. If an EOA or non-contract address is set, both calls are silent no-ops (no revert), leaving operators to believe the registry was updated when it wasn't. Subsequent code relying on the registry will be desynchronized. Add code-size/interface checks or use `Address.functionCall` with error messages.

PoC Summary: `test/poc/Alphix_call_to_non_contract_registry.t.sol` — Deploys `Alphix` and calls `setRegistry` with an EOA, expecting a revert, to show that `setRegistry` makes `IRegistry(newRegistry).registerContract(...)` calls without code/interface checks; the call does not revert (silent no-op), demonstrating the registry can be set to a non-contract. Verdict: true positive.

[Alphix_call_to_non_contract_registry.t.sol](#)