Security Assessment

Item 57 Internal Report

November 2025

Prepared for ether.fi

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Initial Commit Hash	Final Commit Hash
[18d963d](#)	[a643d24f2](#)

Informational Issues

I-01. Redundant MAX_ROLE function

Description: The MAX_ROLE function is unnecessary as it currently returns the type(uint256).max. However, based on Solady's documentation:

```JavaScript
/// This implementation performs a self-staticcall to `MAX_ROLE()` to determine
/// the maximum role that can be set/unset. If the inheriting contract does not
/// have `MAX_ROLE()`, then any role can be set/unset.
```

Therefore, this function can be removed, as it does not enforce any limitations.

Recommendations: Consider removing the MAX_ROLE function.

Customer's response: Acknowledged

Fix Review: Acknowledged

I-02. Test coverage can be improved

Description: The following tests are missing:
- _authorizeUpgrade has not been tested that the onlyOwner modifier works.
- Missing tests for MAX_ROLE()
- Missing test for bridgeViaCCTP when *amount>balance*

Recommendation: Consider adding the missing tests in order to improve the coverage.

Customer's response: Fixed in commit a643d24f2

Fix Review: Fixed

I-03. No event emitted when pix wallet is updated

Description: The setPixWalletOnBase() function is used to change the address of the destination wallet. It is a good practice to emit events when configuration is updated. However there is no event emitted after the update.

Recommendation: Emit an event when the wallet is changed

Customer's response: Fixed in commit a643d24f2

Fix Review: Fixed

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