// HALBORN

Animoca Brands - SHRD & CATA ERC20 Tokens & Polygon ERC20 Bridging Setup

Smart Contract Security Audit

Prepared by: **Halborn**

Date of Engagement: **October 24th, 2022 - November 14th, 2022**

Visit: **Halborn.com**

DOCUMENT REVISION HISTORY

VERSION	MODIFICATION	DATE	AUTHOR
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0.2	Draft Review	11/15/2022	Kubilay Onur Gungor
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1.0	Remediation Plan	11/22/2022	Miguel Jalon
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EXECUTIVE OVERVIEW

1.1 INTRODUCTION

Animoca Brands engaged Halborn to conduct a security audit on their smart contracts beginning on October 24th, 2022 and ending on November 14th, 2022. The security assessment was scoped to the smart contracts provided to the Halborn team.

1.2 AUDIT SUMMARY

The team at Halborn was provided three weeks for the engagement and assigned a full-time security engineer to audit the security of the smart contract. The security engineer is a blockchain and smart-contract security expert with advanced penetration testing, smart-contract hacking, and deep knowledge of multiple blockchain protocols.

The purpose of this audit is to:

- Ensure that smart contract functions operate as intended
- Identify potential security issues with the smart contracts

In summary, Halborn identified some security risks that were accepted and addressed by the Animoca Brands team.

1.3 TEST APPROACH & METHODOLOGY

Halborn performed a combination of manual and automated security testing to balance efficiency, timeliness, practicality, and accuracy in regard to the scope of this audit. While manual testing is recommended to uncover flaws in logic, process, and implementation; automated testing techniques help enhance coverage of the bridge code and can quickly identify items that do not follow security best practices. The following phases and associated tools were used throughout the term of the audit:

- Research into architecture and purpose
- Smart contract manual code review and walkthrough
- Graphing out functionality and contract logic/connectivity/functions (solgraph)
- Manual assessment of use and safety for the critical Solidity variables and functions in scope to identify any arithmetic related vulnerability classes
- Manual testing by custom scripts
- Scanning of solidity files for vulnerabilities, security hotspots or bugs. (MythX)
- Static Analysis of security for scoped contract, and imported functions. (Slither)
- Testnet deployment (Brownie, Remix IDE)

RISK METHODOLOGY:

Vulnerabilities or issues observed by Halborn are ranked based on the risk assessment methodology by measuring the **LIKELIHOOD** of a security incident and the **IMPACT** should an incident occur. This framework works for communicating the characteristics and impacts of technology vulnerabilities. The quantitative model ensures repeatable and accurate measurement while enabling users to see the underlying vulnerability characteristics that were used to generate the Risk scores. For every vulnerability, a risk level will be calculated on a scale of 5 to 1 with 5 being the highest likelihood or impact.

RISK SCALE - LIKELIHOOD

5 - Almost certain an incident will occur.
4 - High probability of an incident occurring.
3 - Potential of a security incident in the long term.
2 - Low probability of an incident occurring.
1 - Very unlikely issue will cause an incident.

RISK SCALE - IMPACT

5 - May cause devastating and unrecoverable impact or loss.
4 - May cause a significant level of impact or loss.

3 - May cause a partial impact or loss to many.
2 - May cause temporary impact or loss.
1 - May cause minimal or un-noticeable impact.

The risk level is then calculated using a sum of these two values, creating a value of 10 to 1 with 10 being the highest level of security risk.

10 - CRITICAL
9 - 8 - HIGH
7 - 6 - MEDIUM
5 - 4 - LOW
3 - 1 - VERY LOW AND INFORMATIONAL

1.4 SCOPE

IN-SCOPE:
The security assessment was scoped to the following smart contracts:

1) SHRD and CATA ERC20 tokens smart contracts

- REVVMotorsportShard.sol
- REVVRacingCatalyst.sol
- ERC20MintBurn.sol

Commit ID: 0ffc859794d3cd70928559fa03e48aeea8d7c36b

2) Polygon ERC20 bridging setup smart contracts:

- FxTokenMapping.sol
- FxERC20.sol
- FxERC20ChildTunnel.sol
- FxERC20FixedSupply.sol
- FxERC20FixedSupplyChildTunnel.sol
- FxERC20FixedSupplyRootTunnel.sol
- FxERC20MintBurn.sol
- FxERC20MintBurnChildTunnel.sol
- FxERC20FixedSupplyChildTunnel.sol
- FxERC20MintBurnRootTunnel.sol
- FxERC20RootTunnel.sol
- FxERC20Storage.sol

Halborn Audit Fixed Commit ID:
32f0c6d644eb85f760f90cbb772c32b458e8df9c

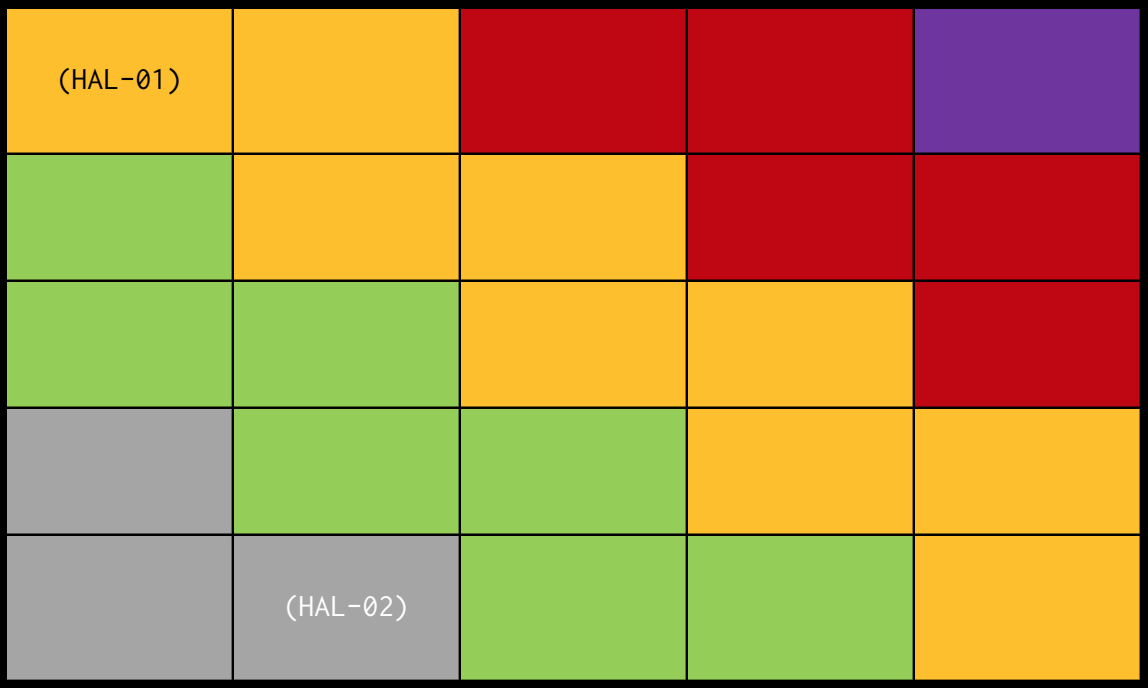
Final Commit ID which addresses the issues found by Animoca Brands team:
ac07a577f4c6545f2543f793fea6d4ee7b1ea928

2. ASSESSMENT SUMMARY & FINDINGS OVERVIEW

CRITICAL	HIGH	MEDIUM	LOW	INFORMATIONAL
0	0	1	0	1

LIKELIHOOD

IMPACT



EXECUTIVE OVERVIEW

SECURITY ANALYSIS	RISK LEVEL	REMEDIATION DATE
HAL01 - POSSIBLE LOSS OF OWNERSHIP	Medium	RISK ACCEPTED
HAL02 - DIFFERENT PRAGMA VERSIONS USED	Informational	ACKNOWLEDGED

FINDINGS & TECH DETAILS

3.1 (HAL-01) POSSIBLE LOSS OF OWNERSHIP - MEDIUM

Description:

When transferring ownership of the protocol, no checks are made on whether the new address is valid and active. In the event of an error in transferring ownership, the entire protocol loses its ownership, thus blocking critical functionalities.

Code Location:

Listing 1: ContractOwnershipStorage.sol (Line 58)

```
50 function transferOwnership(
51     Layout storage s,
52     address sender,
53     address newOwner
54 ) internal {
55     address previousOwner = s.contractOwner;
56     require(sender == previousOwner, "Ownership: not the owner");
57     if (previousOwner != newOwner) {
58         s.contractOwner = newOwner;
59         emit OwnershipTransferred(previousOwner, newOwner);
60     }
61 }
```

Risk Level:

Likelihood - 1
Impact - 5

Recommendation:

The ownership transfer process should be split into two different transactions, the first calls the requestTransferOwnership function, which

proposes a new owner for the protocol, and the second, the new owner accepts the proposal by calling the acceptsTransferOwnership function.

Remediation Plan:

RISK ACCEPTED: The Animoca Brands team accepted the risk of this finding.

3.2 (HAL-02) DIFFERENT PRAGMA VERSIONS USED - INFORMATIONAL

Description:

Smart contracts use floating pragma ^0.8.8 and different pragma versions, like 0.8.17. The latest pragma version, 0.8.17, released on September 8, 2022, is used in some contracts, but ^0.8.8 is also used. It is recommended to avoid using floating pragmas as best practice.

Reference: Solidity Releases

Code Location:

Listing 2

```
- 0.8.17 (contracts/token/ERC20/REVVMotorsportShard.sol#2)
- 0.8.17 (contracts/token/ERC20/REVVRacingCatalyst.sol#2)
- ^0.8.8 (@animoca/ethereum-contracts/contracts/access/libraries/
↳ ContractOwnershipStorage.sol#2)
```

Risk Level:

Likelihood - 2
Impact - 1

Recommendation:

It is recommended to update the pragma versions used in the smart contracts and lock them all to the version 0.8.17.

Remediation Plan:

ACKNOWLEDGED: The Animoca Brands team acknowledged this issue. The design is intended.

As a library, the project is open to different compilation options when re-usable contracts are concerned (abstract contracts, libraries, interfaces). The solidity version is the minimum version which allows to compile and passes the tests. The concrete contracts are designed to be directly deployed, in this case the latest solidity version is enforced.

MANUAL TESTING

MANUAL TESTING

Halborn performed several manual tests in the following contracts:

SHRD and CATA ERC20 tokens smart contracts
- REVVMotorsportShard.sol
- REVVRacingCatalyst.sol
- ERC20MintBurn.sol

Polygon ERC20 bridging setup smart contracts
- FxTokenMapping.sol
- FxERC20.sol
- FxERC20ChildTunnel.sol
- FxERC20FixedSupply.sol
- FxERC20FixedSupplyChildTunnel.sol
- FxERC20FixedSupplyRootTunnel.sol
- FxERC20MintBurn.sol
- FxERC20MintBurnChildTunnel.sol
- FxERC20FixedSupplyChildTunnel.sol
- FxERC20MintBurnRootTunnel.sol
- FxERC20RootTunnel.sol
- FxERC20Storage.sol

The manual tests were focused on testing the main functions of these contracts:

- approve()
- transfer()
- batchTransferFrom()
- burnFrom()
- batchBurnFrom()
- setTokenURI()
- mint()
- batchMint()
- permit()

MANUAL TESTING

- safeTransferFrom()
- onERC20Received()
- withdrawTo()
- _withdraw()
- _syncDeposit()
- _sendDepositRequest()
- _deposit()
- _getMappedRootToken()
- _processMessageFromRoot()
- _mapToken()
- _initializeChildToken()
- safeTransferFrom()

No other issues than those mentioned during manual testing have been found.

RETESTING

The issues described in this section were discovered by Animoca Brands post the original final report from Halborn done on the Commit ID 32f0c6d644eb85f760f90cbb772c32b458e8df9c.

The fixes applied on the issues found by Animoca Brands on the Commit ID ac07a577f4c6545f2543f793fea6d4ee7b1ea928 were reviewed and retested by Halborn.

5.1 AB01 - DEPOSIT REQUESTS ARE DECODED INCORRECTLY

Description:

In the FxERC20RootTunnel contract the function deposit() is used to deposit assets into the Bridge:

Listing 3: FxERC20RootTunnel.sol (Lines 107,117,118)

```
75 function deposit(address rootToken, uint256 amount) external {
76     address depositor = _msgSender();
77     _depositFrom(rootToken, depositor, depositor, amount);
78 }
79
80 function depositTo(
81     address rootToken,
82     address receiver,
83     uint256 amount
84 ) external {
85     _depositFrom(rootToken, _msgSender(), receiver, amount);
86 }
87
88 function _deposit(
89     address rootToken,
90     address depositor,
91     address receiver,
92     uint256 amount
93 ) internal {
94     mapToken(rootToken);
95     _deposit(rootToken, amount);
```

```
96      _sendDepositRequest(rootToken, depositor, receiver, amount);
97  }
98
99  function _depositFrom(
100     address rootToken,
101     address depositor,
102     address receiver,
103     uint256 amount
104 ) internal {
105     mapToken(rootToken);
106     _depositFrom(rootToken, depositor, amount);
107     _sendDepositRequest(rootToken, depositor, receiver, amount);
108 }
109
110 function _sendDepositRequest(
111     address rootToken,
112     address depositor,
113     address receiver,
114     uint256 amount
115 ) internal {
116     // DEPOSIT, encode(rootToken, depositor, user, amount)
117     bytes memory message = abi.encode(DEPOSIT, abi.encode(
 ↳ rootToken, depositor, receiver, amount));
118     _sendMessageToChild(message);
119     emit FxDepositERC20(rootToken, depositor, receiver, amount);
120 }
```

A message is sent to the child contract. The message is encoded as shown below:

`bytes memory message = abi.encode(DEPOSIT, abi.encode(rootToken, depositor, receiver, amount));`

When the child receives the message the following functions are called:

Listing 4: FxERC20ChildTunnel.sol (Lines 83,85,86,95)

```
77      function _processMessageFromRoot(
78          uint256, /* stateId */
79          address sender,
80          bytes memory data
81      ) internal override validateSender(sender) {
82          // decode incoming data
```

```
83          (bytes32 syncType, bytes memory syncData) = abi.decode(
↳ data, (bytes32, bytes));
84
85          if (syncType == DEPOSIT) {
86              _syncDeposit(syncData);
87          } else if (syncType == MAP_TOKEN) {
88              _mapToken(syncData);
89          } else {
90              revert FxERC20InvalidSyncType(syncType);
91          }
92      }
93
94      function _syncDeposit(bytes memory syncData) internal {
95          (address rootToken, address to, uint256 amount) = abi.
↳ decode(syncData, (address, address, uint256));
96          address childToken = rootToChildToken[rootToken];
97
98          // deposit tokens
99          _deposit(childToken, to, amount);
100     }
```

The message is incorrectly decoded as the message was initially encoded as:
`bytes memory message = abi.encode(DEPOSIT, abi.encode(rootToken, depositor, receiver, amount));`
and then decoded as:
`(address rootToken, address to, uint256 amount)= abi.decode(syncData, (address, address, uint256));`

This leads to an incorrect `amount` being deposited.

Risk Level::

Likelihood - 5
Impact - 5

Recommendation:

It is recommended to correct the abi.decode() call in the _syncDeposit() function.

Remediation Plan:

The following code has been used to confirm the fix of this issue, the oldSyncDeposit function is using the wrongly code to decode the data and the newSyncDeposit function is using the correct one.

Listing 5: Test.sol (Lines 20,25)

```
 0 // SPDX-License-Identifier: MIT
 1 pragma solidity ^0.8.8;
 2
 3 contract Test {
 4
 5     address public _rootToken = 0
↳ xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2;
 6     address public _depositor = 0
↳ x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db;
 7     address public _receiver = 0
↳ x78731D3Ca6b7E34aC0F824c42a7cC18A495cabaB;
 8     uint256 public _amount = 10;
 9
10     event OldSyncDepositEvent(address indexed rootToken, address
↳ indexed to, uint256 amount);
11     event NewSyncDepositEvent(address indexed rootToken, address
↳ indexed depositor, address indexed receiver, uint256 amount);
12
13     function deposit() external {
14         bytes memory message = abi.encode(_rootToken, _depositor,
↳ _receiver, _amount);
15         oldSyncDeposit(message);
16         newSyncDeposit(message);
17     }
18
19     function oldSyncDeposit(bytes memory syncData) public {
20         (address rootToken, address to, uint256 amount) = abi.
↳ decode(syncData, (address, address, uint256));
21         emit OldSyncDepositEvent(rootToken, to, amount);
22     }
```

```
23
24      function newSyncDeposit(bytes memory syncData) public {
25          (address rootToken, address depositor, address receiver,
↳ uint256 amount) = abi.decode(syncData, (address, address, address,
↳  uint256));
26          emit NewSyncDepositEvent(rootToken, depositor, receiver,
↳ amount);
27      }
28
29  }
```

And as can be seen in the following image, taking a look at the events generated, the previous code was setting an incorrect value to the amount parameter. By using the new code developed by Animoca Brands, the issue has been properly mitigated and all the parameters are correctly set.

```
>>> test = Test.deploy({'from': a[0]})
Transaction sent: 0x5ccd85cf8947b4b7b881f90df018786a6289afa1e9846fbc25a2fcdd4b1f599
  Gas price: 0.0 gwei   Gas limit: 80000000   Nonce: 11
  Test.constructor confirmed   Block: 16191227   Gas used: 362191 (0.05%)
  Test deployed at: 0x07A74C9E55Fff0277e06b9b695b2dD6938b6282

>>> tx = test.deposit({'from': a[0]})
Transaction sent: 0x6657a2881758a17f4afa1f9f887601aa874a46ee122ec851e52231be5a0d1a4e
  Gas price: 0.0 gwei   Gas limit: 80000000   Nonce: 12
  Test.deposit confirmed   Block: 16191228   Gas used: 29595 (0.04%)

>>> tx.events[0]
OrderedDict({('rootToken', '0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2'), ('to', '0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db'), ('amount', 68764602509153244852770750528825395480444984823 5)})
>>> tx.events[1]
OrderedDict({('rootToken', '0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2'), ('depositor', '0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db'), ('receiver', '0x78731D3Ca6b7E34aC0F824c42a7cC18A495cabaB'), ('amount', 10)})
```

SOLVED: The Animoca Brands team corrected the issue in the Commit ID d4b2d6f429541c0bdff6c36d15364c33c732161a

Listing 6: FxERC20ChildTunnel.sol (Line 122)

```
121     function _syncDeposit(bytes memory syncData) internal {
122         (address rootToken, address depositor, address receiver,
↳ uint256 amount) = abi.decode(syncData, (address, address, address,
↳  uint256));
123         address childToken = rootToChildToken[rootToken];
124
125         // deposit tokens
126         _deposit(childToken, receiver, amount);
127
128         emit FxERC20Deposit(rootToken, childToken, depositor,
↳ receiver, amount);
129     }
```

5.2 AB02 - ONERC20RECEIVED HOOK USES ALWAYS THE FROM ADDRESS AS RECIPIENT

Description:

In the FxERC20ChildTunnel.onERC20Received() function is used to handle the receipt of ERC20 tokens as a withdraw request:

Listing 7: FxERC20ChildTunnel.sol (Lines 56-60)

```
43 /// @notice Handles the receipt of ERC20 tokens as a withdrawal
↳ request.
44 /// @dev Note: this function is called by an {ERC20SafeTransfer}
↳ contract after a safe transfer.
45 // @param operator The initiator of the safe transfer.
46 /// @param from The previous tokens owner.
47 /// @param value The amount of tokens transferred.
48 /// @param data Empty if the receiver is the same as the tokens
↳ sender, else the abi-encoded address of the receiver.
49 /// @return magicValue `bytes4(keccak256("onERC20Received(address,
↳ address,uint256,bytes)"))` (`0x4fc35859`) to accept, any other
↳ value to refuse.
50 function onERC20Received(
51     address,
52     address from,
53     uint256 value,
54     bytes calldata data
55 ) external returns (bytes4 magicValue) {
56     address receiver = from;
57     if (data.length != 0) {
58         (receiver) = abi.decode(data, (address));
59     }
60     _withdraw(msg.sender, from, value);
61     return ERC20Storage.ERC20_RECEIVED;
62 }
```

As we can see, the receiver state variable is not used in the _withdraw() call hence from address will always be the recipient in the onERC20Received() function.

Risk Level::

Likelihood - 4
Impact - 4

Recommendation:

It is recommended to update the FxERC20ChildTunnel.onERC20Received() function so it correctly uses the receiver variable in the _withdraw() call.

Remediation Plan:

SOLVED: The Animoca Brands team corrected the issue in the Commit ID d4b2d6f429541c0bdff6c36d15364c33c732161a

Listing 8: FxERC20ChildTunnel.sol (Lines 65-72)

```
55 /// @notice Handles the receipt of ERC20 tokens as a withdrawal
↳ request.
56 /// @dev Note: this function is called by an {ERC20SafeTransfer}
↳ contract after a safe transfer.
57 /// @dev Reverts with `FxERC20InvalidWithdrawalAddress` if `
↳ receiver` is encoded in `data` and is the zero address.
58 /// @dev Reverts with `FxERC20TokenNotMapped` if the child token (
↳ msg.sender) has not been deployed through a mapping request.
59 // @param operator The initiator of the safe transfer.
60 /// @param from The previous tokens owner.
61 /// @param value The amount of tokens transferred.
62 /// @param data Empty if the receiver is the same as the tokens
↳ sender, else the abi-encoded address of the receiver.
63 /// @return magicValue `bytes4(keccak256("onERC20Received(address,
↳ address,uint256,bytes)"))` (`0x4fc35859`) to accept, any other
↳ value to refuse.
64 function onERC20Received(address, address from, uint256 value,
↳ bytes calldata data) external returns (bytes4 magicValue) {
65     address receiver = from;
66     if (data.length != 0) {
67         (receiver) = abi.decode(data, (address));
68         if (receiver == address(0)) {
69             revert FxERC20InvalidWithdrawalAddress();
```

```
70          }
71      }
72      _withdraw(msg.sender, from, receiver, value);
73      _withdrawReceivedTokens(msg.sender, value);
74      return ERC20Storage.ERC20_RECEIVED;
75  }
```

5.3 AB03 - ONERC20RECEIVED HOOK DOES NOT CHECK THAT DATA IS NOT THE ADDRESS 0

Description:

The onERC20Received() function is used in multiple contracts to handle the receipt of ERC20 tokens as a deposit/withdraw request:

Listing 9: FxERC20RootTunnel.sol (Lines 65,68)

```
54 /// @notice Handles the receipt of ERC20 tokens as a deposit
↳ request.
55 /// @dev Note: this function is called by an {ERC20SafeTransfer}
↳ contract after a safe transfer.
56 // @param operator The initiator of the safe transfer.
57 /// @param from The previous tokens owner.
58 /// @param value The amount of tokens transferred.
59 /// @param data Empty if the receiver is the same as the tokens
↳ sender, else the abi-encoded address of the receiver.
60 /// @return magicValue `bytes4(keccak256("onERC20Received(address,
↳ address,uint256,bytes)"))` (`0x4fc35859`) to accept, any other
↳ value to refuse.
61 function onERC20Received(
62     address,
63     address from,
64     uint256 value,
65     bytes calldata data
66 ) external returns (bytes4 magicValue) {
67     address receiver = from;
68     if (data.length != 0) {
69         (receiver) = abi.decode(data, (address));
70     }
71     _deposit(msg.sender, from, receiver, value);
72     return ERC20Storage.ERC20_RECEIVED;
73 }
```

The parameter data will be empty if the receiver is the same as the tokens sender, else it will be the abi-encoded address of the receiver, although the smart contract does not check anywhere that the receiver is not the

address(0).

Nevertheless, in case that the data is empty, the if (data.length != 0) code block would never be executed and the receiver would be the from address as expected. For this reason, we have set this finding as informational.

Risk Level::

Likelihood - 3
Impact - 4

Recommendation:

It is recommended to validate that the receiver address is never the address(0).

Remediation Plan:

SOLVED: The Animoca Brands team corrected the issue in the Commit ID d4b2d6f429541c0bdff6c36d15364c33c732161a

Listing 10: FxERC20RootTunnel.sol (Lines 68-70)

```
64 function onERC20Received(address, address from, uint256 value,
↳ bytes calldata data) external returns (bytes4 magicValue) {
65     address receiver = from;
66     if (data.length != 0) {
67         (receiver) = abi.decode(data, (address));
68         if (receiver == address(0)) {
69             revert FxERC20InvalidDepositAddress();
70         }
71     }
72     _deposit(msg.sender, from, receiver, value);
73     _depositReceivedTokens(msg.sender, value);
74
75     return ERC20Storage.ERC20_RECEIVED;
76 }
```

AUTOMATED TESTING

6.1 STATIC ANALYSIS REPORT

Description:

Halborn used automated testing techniques to enhance the coverage of certain areas of the scoped contracts. Among the tools used was Slither, a Solidity static analysis framework. After Halborn verified all the contracts in the repository and was able to compile them correctly into their ABI and binary formats, Slither was run on the all-scoped contracts. This tool can statically verify mathematical relationships between Solidity variables to detect invalid or inconsistent usage of the contracts' APIs across the entire code-base.

Slither results:

SHRD and CATA ERC20 tokens smart contracts

ERC20MintBurn

```
IERC20Permit is re-used:
        - IERC20Permit (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#8-56)
        - IERC20Permit (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#14-60)
IERC20 is re-used:
        - IERC20 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#7-70)
        - IERC20 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#9-82)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#name-reused

ERC20MintBurn (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/ERC20MintBurn.sol#19-53) has incorrect ERC721 function interface:ERC20SafeTransfersBase.safeTransferFrom(address,address,uint256,bytes) (../..
tracts/contracts/token/ERC20/base/ERC20SafeTransfersBase.sol#25-33)
ERC20MintBurn (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/ERC20MintBurn.sol#19-53) has incorrect ERC721 function interface:IERC20SafeTransfers.safeTransferFrom(address,address,uint256,bytes) (../../HA
cts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#35-40)
ERC20MintBurn (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/ERC20MintBurn.sol#19-53) has incorrect ERC721 function interface:ERC20Base.approve(address,uint256) (../../HALBORN/animocaBridge/node_modules/@
C20Base.sol#16-19)
ERC20MintBurn (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/ERC20MintBurn.sol#19-53) has incorrect ERC721 function interface:ERC20Base.transferFrom(address,address,uint256) (../../HALBORN/animocaBridge/
ERC20/base/ERC20Base.sol#28-35)
ERC20MintBurn (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/ERC20MintBurn.sol#19-53) has incorrect ERC721 function interface:IERC20.approve(address,uint256) (../../HALBORN/animocaBridge/node_modules/@an
/IERC20.sol#29)
ERC20MintBurn (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/ERC20MintBurn.sol#19-53) has incorrect ERC721 function interface:IERC20.transferFrom(address,address,uint256) (../../HALBORN/animocaBridge/node
20/interfaces/IERC20.sol#50-54)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-erc721-interface

ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#213) is
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).selfTransferTotalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/
ed
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#272)
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#497) is
TokenRecoveryBase.recoverERC721s(address[],IERC721[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#82) is a local variable never i
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#406) is a local variable nev
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#499) is a local
Bytes32.toASCIIString(bytes32).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/utils/libraries/Bytes32.sol#37) is a local variable never initialized
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#216) is a local
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage
TokenRecoveryBase.recoverERC20s(address[],IERC20[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#58) is a local variable never ini
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).selfTransferTotalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage
TokenRecoveryBase.recoverETH(address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#34) is a local variable never initialized
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#404) is a local var
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#uninitialized-local-variables

ERC20MintBurn.constructor(string,string,uint8,IForwarderRegistry).forwarderRegistry (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/ERC20MintBurn.sol#35) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#local-variable-shadowing

TokenRecoveryBase.recoverERC721s(address[],IERC721[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#73-86) has external calls inside
i],tokenIds[i]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#83)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#calls-inside-a-loop

ERC20PermitStorage.permit(ERC20PermitStorage.Layout,address,address,uint256,uint256,uint8,bytes32,bytes32) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC2
        Dangerous comparisons:
        - require(bool,string)(block.timestamp <= deadline,ERC20: expired permit) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#52)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#block-timestamp

AccessControlStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/AccessControlStorage.sol#96-101) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/AccessControlStorage.sol#98-100)
ContractOwnershipStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#76-81) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#78-80)
InterfaceDetectionStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#42-47) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#44-46)
ERC2771Calldata.msgSender() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#8-12) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#9-11)
ERC20DetailedStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#81-86) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#83-85)
ERC20MetadataStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#35-40) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#37-39)
ERC20PermitStorage.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#87-102) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#89-91)
ERC20PermitStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#104-109) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#106-108)
ERC20Storage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#552-557) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#554-556)
Address.verifyCallResult(bool,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#213-216)
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#54-56)
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#64-66)
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StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) uses assembly
	- INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#74-76)
StorageSlot.getUint256Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) uses assembly
	- INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#84-86)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#assembly-usage

Different versions of Solidity are used:
	- Version used: ['0.8.17', '^0.8.0', '^0.8.1', '^0.8.8']
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/AccessControl.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/ContractOwnership.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/AccessControlBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/interfaces/IERC173.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/AccessControlStorage.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/TokenRecovery.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20BatchTransfers.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Burnable.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Detailed.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Metadata.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Mintable.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Permit.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20SafeTransfers.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20Base.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20BatchTransfersBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20BurnableBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20DetailedBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20MetadataBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20MintableBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20PermitBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20SafeTransfersBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Detailed.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Metadata.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC721/interfaces/IERC721.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/utils/libraries/Bytes32.sol#2)
	- ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/interfaces/IERC20.sol#4)
	- ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#4)
	- ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#4)
	- ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#4)
	- ^0.8.1 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#4)
	- ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Context.sol#4)
	- ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4)
	- 0.8.17 (../../pro/HALBORN/animocaERC20/contracts/token/ERC20/ERC20MintBurn.sol#2)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#different-pragma-directives-are-used

Address.functionCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#85-87) is never used and should be removed
Address.functionCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#95-101) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#114-120) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#128-139) is never used and should be removed
Address.functionDelegateCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#174-176) is never used and should be removed
Address.functionDelegateCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193) is never used and should be removed
Address.functionStaticCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#147-149) is never used and should be removed
Address.functionStaticCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166) is never used and should be removed
Address.verifyCallResult(bool,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) is never used and should be removed
Bytes32.toBase32String(bytes32) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/utils/libraries/Bytes32.sol#8-22) is never used and should be removed
Context._msgData() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Context.sol#21-23) is never used and should be removed
Context._msgSender() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Context.sol#17-19) is never used and should be removed
ContractOwnershipStorage.proxyInit(ContractOwnershipStorage.Layout,address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#41-44) is ne
ERC20DetailedStorage.proxyInit(ERC20DetailedStorage.Layout,string,string,uint8) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#47-58)
ERC20MintBurn._msgData() (../../pro/HALBORN/animocaERC20/contracts/token/ERC20/ERC20MintBurn.sol#50-52) is never used and should be removed
ERC20PermitStorage.init() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#25-27) is never used and should be removed
ERC20Storage.initERC20BatchTransfers() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#41-43) is never used and should be removed
ERC20Storage.initERC20Burnable() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#56-58) is never used and should be removed
ERC20Storage.initERC20Mintable() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#51-53) is never used and should be removed
ERC20Storage.initERC20SafeTransfers() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#46-48) is never used and should be removed
ERC2771Calldata.msgData() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#15-19) is never used and should be removed
ForwarderRegistryContextBase._msgData() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#36-49) is never used and should be removed
ProxyInitialization.setProxy(bytes32,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#12-16) is never used and should be removed
SafeERC20._callOptionalReturn(IERC20,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#105-115) is never used and should be removed
SafeERC20.safeApprove(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#46-69) is never used and should be removed
SafeERC20.safeDecreaseAllowance(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#70-81) is never used and should be removed
SafeERC20.safeIncreaseAllowance(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#61-68) is never used and should be removed
SafeERC20.safePermit(IERC20Permit,address,address,uint256,uint256,uint8,bytes32,bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#83-97) is never used and sh
SafeERC20.safeTransfer(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#22-28) is never used and should be removed
SafeERC20.safeTransferFrom(IERC20,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#30-37) is never used and should be removed
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) is never used and should be removed
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) is never used and should be removed
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) is never used and should be removed
StorageSlot.getUint256Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) is never used and should be removed
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dead-code

Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/AccessControl.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.ht
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/ContractOwnership.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/AccessControlBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/l
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/interfaces/IERC173.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/AccessControlStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs.
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2) is known to contain severe issues (https://solidity.read
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.i
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bu
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/TokenRecovery.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.h
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20BatchTransfers.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Burnable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Detailed.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Metadata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Mintable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Permit.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20SafeTransfers.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20Base.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bu
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20BatchTransfersBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.i
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20BurnableBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/l
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20DetailedBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/l
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20MetadataBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/l
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20MintableBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/l
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20PermitBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20SafeTransfersBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Detailed.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Metadata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs.i
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/l
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Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC721/interfaces/IERC721.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/utils/libraries/Bytes32.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/interfaces/IERC20.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#4) allows old versions
Pragma version^0.8.1 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Context.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4) allows old versions
Pragma version0.8.17 (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/ERC20MintBurn.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.7
solc-0.8.17 is not recommended for deployment
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity

Low level call in Address.sendValue(address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#60-65):
        - (success) = recipient.call{value: amount}() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#63)
Low level call in Address.functionCallWithValue(address,bytes,uint256,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#128-139):
        - (success,returndata) = target.call{value: value}(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#137)
Low level call in Address.functionStaticCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166):
        - (success,returndata) = target.staticcall(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#164)
Low level call in Address.functionDelegateCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193):
        - (success,returndata) = target.delegatecall(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#191)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#low-level-calls

Variable ForwarderRegistryContextBase._forwarderRegistry (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is not in mixedCase
Function ERC20PermitBase.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20PermitBase.sol#35-37) is not in mixedCase
Function IERC20Permit.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#55) is not in mixedCase
Function ERC20PermitStorage.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#87-102) is not in mixedCase
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions

Variable ForwarderRegistryContextBase._forwardersRegistry (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is too similar to Forwarder
Registry_ (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#12)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#variable-names-are-too-similar

owner() should be declared external:
        - ContractOwnershipBase.owner() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#16-18)
transferOwnership(address) should be declared external:
        - ContractOwnershipBase.transferOwnership(address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#21-23)
allowance(address,address) should be declared external:
        - ERC20Base.allowance(address,address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20Base.sol#60-62)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#public-function-that-could-be-declared-external
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REVVMotorsportShard

```
IERC20 is re-used:
        - IERC20 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#7-70)
        - IERC20 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#9-82)
IERC20Permit is re-used:
        - IERC20Permit (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#8-56)
        - IERC20Permit (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#14-60)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#name-reused

REVVMotorsportShard (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/REVVMotorsportShard.sol#7-9) has incorrect ERC721 function interface:ERC20SafeTransfersBase.safeTransferFrom(address,address,uint256,byt
herem-contracts/contracts/token/ERC20/base/ERC20SafeTransfersBase.sol#25-33)
REVVMotorsportShard (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/REVVMotorsportShard.sol#7-9) has incorrect ERC721 function interface:IERC20SafeTransfers.safeTransferFrom(address,address,uint256,bytes)
eum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#35-40)
REVVMotorsportShard (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/REVVMotorsportShard.sol#7-9) has incorrect ERC721 function interface:ERC20Base.approve(address,uint256) (../../HALBORN/animocaBridge/nod
20/base/ERC20Base.sol#16-19)
REVVMotorsportShard (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/REVVMotorsportShard.sol#7-9) has incorrect ERC721 function interface:ERC20Base.transferFrom(address,address,uint256) (../../HALBORN/anim
cts/token/ERC20/base/ERC20Base.sol#28-35)
REVVMotorsportShard (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/REVVMotorsportShard.sol#7-9) has incorrect ERC721 function interface:IERC20.approve(address,uint256) (../../HALBORN/animocaBridge/node_m
interfaces/IERC20.sol#29)
REVVMotorsportShard (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/REVVMotorsportShard.sol#7-9) has incorrect ERC721 function interface:IERC20.transferFrom(address,address,uint256) (../../HALBORN/animocaB
/token/ERC20/interfaces/IERC20.sol#50-54)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-erc721-interface

TokenRecoveryBase.recoverERC20s(address[],IERC20[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#58) is a local variable never ini
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).selfTransferTotalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#213) is
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).selfTransferTotalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/
ed
Bytes32.toASCIIString(bytes32).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/utils/libraries/Bytes32.sol#37) is a local variable never initialized
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#404) is a local var
TokenRecoveryBase.recoverERC721s(address[],IERC721[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#82) is a local variable never i
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#406) is a local variable nev
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#499) is a local
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#272)
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#497) is
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#216) is a local
TokenRecoveryBase.recoverETH(address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#34) is a local variable never initialized
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#uninitialized-local-variables

ERC20MintBurn.constructor(string,string,uint8,IForwarderRegistry).forwarderRegistry (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/ERC20MintBurn.sol#35) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
REVVMotorsportShard.constructor(IForwarderRegistry).forwarderRegistry (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/REVVMotorsportShard.sol#8) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#local-variable-shadowing

TokenRecoveryBase.recoverERC721s(address[],IERC721[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#73-86) has external calls inside
i],tokenIds[i]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#83)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#calls-inside-a-loop

ERC20PermitStorage.permit(ERC20PermitStorage.Layout,address,address,uint256,uint8,bytes32,bytes32) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC2
        Dangerous comparisons:
        - require(bool,string)(block.timestamp <= deadline,ERC20: expired permit) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#82)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#block-timestamp

AccessControlStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/AccessControlStorage.sol#96-101) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/AccessControlStorage.sol#98-100)
ContractOwnershipStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#76-81) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#78-80)
InterfaceDetectionStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#42-47) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#44-46)
ERC2771Calldata.msgSender() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#8-12) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#9-11)
ERC20DetailedStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#81-86) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#83-85)
ERC20MetadataStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#35-40) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#37-39)
ERC20PermitStorage.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#87-102) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#89-91)
ERC20PermitStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#104-109) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#106-108)
ERC20Storage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#552-557) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#554-556)
Address.verifyCallResult(bool,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#213-216)
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#54-56)
```

```
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#64-66)
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#74-76)
StorageSlot.getUint256Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#84-86)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#assembly-usage

Different versions of Solidity are used:
        - Version used: ['0.8.17', '^0.8.0', '^0.8.1', '^0.8.8']
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/AccessControl.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/ContractOwnership.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/AccessControlBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/interfaces/IERC173.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/AccessControlStorage.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/TokenRecovery.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20BatchTransfers.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Burnable.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Detailed.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Metadata.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Mintable.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Permit.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20SafeTransfers.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20Base.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20BatchTransfersBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20BurnableBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20DetailedBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20MetadataBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20MintableBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20PermitBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20SafeTransfersBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Detailed.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Metadata.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC721/interfaces/IERC721.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/utils/libraries/Bytes32.sol#2)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/interfaces/IERC20.sol#4)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#4)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#4)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#4)
        - ^0.8.1 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#4)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Context.sol#4)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4)
        - 0.8.17 (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/ERC20MintBurn.sol#2)
        - 0.8.17 (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/REVVMotorsportShard.sol#2)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#different-pragma-directives-are-used

Address.functionCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#85-87) is never used and should be removed
Address.functionCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#95-101) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#114-120) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#128-139) is never used and should be removed
Address.functionDelegateCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#174-176) is never used and should be removed

Address.functionDelegateCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193) is never used and should be removed
Address.functionStaticCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#147-149) is never used and should be removed
Address.functionStaticCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166) is never used and should be removed
Address.verifyCallResult(bool,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) is never used and should be removed
Bytes32.toBase32String(bytes32) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/utils/libraries/Bytes32.sol#8-22) is never used and should be removed
Context._msgData() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Context.sol#21-23) is never used and should be removed
Context._msgSender() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Context.sol#17-19) is never used and should be removed
ContractOwnershipStorage.initialize(ContractOwnershipStorage.Layout,address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#41-44) is ne
ERC20DetailedStorage.proxyInit(ERC20DetailedStorage.Layout,string,string,uint8) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#47-58)
ERC20MintBurn._msgData() (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/ERC20MintBurn.sol#50-52) is never used and should be removed
ERC20PermitStorage.init() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#25-27) is never used and should be removed
ERC20Storage.initERC20BatchTransfers() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#41-43) is never used and should be removed
ERC20Storage.initERC20Burnable() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#56-58) is never used and should be removed
ERC20Storage.initERC20Mintable() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#51-53) is never used and should be removed
ERC20Storage.initERC20SafeTransfers() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#46-48) is never used and should be removed
ERC2771Calldata._msgData() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#15-19) is never used and should be removed
ForwarderRegistryContextBase._msgData() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#36-49) is never used and should be removed
ProxyInitialization.setPhase(bytes32,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#12-16) is never used and should be removed
SafeERC20._callOptionalReturn(IERC20,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#105-115) is never used and should be removed
SafeERC20.safeApprove(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#66-97) is never used and should be removed
SafeERC20.safeDecreaseAllowance(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#70-81) is never used and should be removed
SafeERC20.safeIncreaseAllowance(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#61-68) is never used and should be removed
SafeERC20.safePermit(IERC20Permit,address,address,uint256,uint256,uint8,bytes32,bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#83-97) is never used and sh
SafeERC20.safeTransfer(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#22-28) is never used and should be removed
SafeERC20.safeTransferFrom(IERC20,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#30-37) is never used and should be removed
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) is never used and should be removed
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) is never used and should be removed
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) is never used and should be removed
StorageSlot.getUint256Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) is never used and should be removed
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dead-code

Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/AccessControl.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.htm
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/ContractOwnership.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/AccessControlBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/la
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/interfaces/IERC173.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/AccessControlStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs.
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2) is known to contain severe issues (https://solidity.read
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.i
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bu
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/TokenRecovery.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.h
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20BatchTransfers.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Burnable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Detailed.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Metadata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Mintable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Permit.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20SafeTransfers.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20Base.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bu
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20BatchTransfersBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.i
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20BurnableBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/l
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20DetailedBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/l
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20MetadataBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/l
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20MintableBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/l
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20PermitBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20SafeTransfersBase.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Detailed.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Metadata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2) is known to contain severe issues (https://solidity.readthedocs
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs
```

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Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs.i
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/l
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC721/interfaces/IERC721.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/utils/libraries/Bytes32.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/interfaces/IERC20.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#4) allows old versions
Pragma version^0.8.1 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#6) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Context.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4) allows old versions
Pragma version0.8.17 (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/ERC20MintBurn.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.7
Pragma version0.8.17 (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/REVVMotorsportShard.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.7
solc-0.8.17 is not recommended for deployment
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity

Low level call in Address.sendValue(address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#60-65):
        - (success) = recipient.call{value: amount}() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#63)
Low level call in Address.functionCallWithValue(address,bytes,uint256,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#128-139):
        - (success,returndata) = target.call{value: value}(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#137)
Low level call in Address.functionStaticCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166):
        - (success,returndata) = target.staticcall(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#164)
Low level call in Address.functionDelegateCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193):
        - (success,returndata) = target.delegatecall(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#191)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#low-level-calls

Variable ForwarderRegistryContextBase._forwarderRegistry (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is not in mixedCase
Function ERC20PermitBase.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20PermitBase.sol#35-37) is not in mixedCase
Function IERC20Permit.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#55) is not in mixedCase
Function ERC20PermitStorage.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#87-102) is not in mixedCase
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions

Variable ForwarderRegistryContextBase._forwarderRegistry (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is too similar to ForwarderR
Registry_ (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#12)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#variable-names-are-too-similar

owner() should be declared external:
        - ContractOwnershipBase.owner() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#16-18)
transferOwnership(address) should be declared external:
        - ContractOwnershipBase.transferOwnership(address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#21-23)
allowance(address,address) should be declared external:
        - ERC20Base.allowance(address,address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20Base.sol#60-62)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#public-function-that-could-be-declared-external
```

REVVRacingCatalyst

```
IERC20 is re-used:
        - IERC20 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#7-70)
        - IERC20 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#9-82)
IERC20Permit is re-used:
        - IERC20Permit (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#8-56)
        - IERC20Permit (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#14-60)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#name-reused

REVVRacingCatalyst (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/REVVRacingCatalyst.sol#7-9) has incorrect ERC721 function interface:ERC20SafeTransfersBase.safeTransferFrom(address,address,uint256,bytes
reum-contracts/contracts/token/ERC20/base/ERC20SafeTransfersBase.sol#25-33)
REVVRacingCatalyst (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/REVVRacingCatalyst.sol#7-9) has incorrect ERC721 function interface:IERC20SafeTransfers.safeTransferFrom(address,address,uint256,bytes) (
m-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#35-40)
REVVRacingCatalyst (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/REVVRacingCatalyst.sol#7-9) has incorrect ERC721 function interface:ERC20Base.approve(address,uint256) (../../HALBORN/animocaBridge/node_
/base/ERC20Base.sol#16-19)
REVVRacingCatalyst (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/REVVRacingCatalyst.sol#7-9) has incorrect ERC721 function interface:ERC20Base.transferFrom(address,address,uint256) (../../HALBORN/animoca
s/token/ERC20/base/ERC20Base.sol#28-35)
REVVRacingCatalyst (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/REVVRacingCatalyst.sol#7-9) has incorrect ERC721 function interface:IERC20.approve(address,uint256) (../../HALBORN/animocaBridge/node_mod
terfaces/IERC20.sol#29)
REVVRacingCatalyst (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/REVVRacingCatalyst.sol#7-9) has incorrect ERC721 function interface:IERC20.transferFrom(address,address,uint256) (../../HALBORN/animocaBr
oken/ERC20/interfaces/IERC20.sol#58-64)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-erc721-interface

TokenRecoveryBase.recoverERC20s(address[],IERC20[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#58) is a local variable never ini
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).selfTransferTotalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#213) is
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).selfTransferTotalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/
ed
Bytes32.toASCIIString(bytes32).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/utils/libraries/Bytes32.sol#37) is a local variable never initialized
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#404) is a local var
TokenRecoveryBase.recoverERC721s(address[],IERC721[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#82) is a local variable never i
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#406) is a local variable nev
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#490) is a local
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#272)
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#497) is
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#216) is a local
TokenRecoveryBase.recoverETH(address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#34) is a local variable never initialized
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#uninitialized-local-variables

ERC20MintBurn.constructor(string,string,uint8,IForwarderRegistry).forwarderRegistry (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/ERC20MintBurn.sol#35) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
REVVRacingCatalyst.constructor(IForwarderRegistry).forwarderRegistry (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/REVVRacingCatalyst.sol#8) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#local-variable-shadowing

TokenRecoveryBase.recoverERC721s(address[],IERC721[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#73-86) has external calls inside
i],tokenIds[i]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#83)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#calls-inside-a-loop

ERC20PermitStorage.permit(ERC20PermitStorage.Layout,address,address,uint256,uint256,uint8,bytes32,bytes32) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC2
        Dangerous comparisons:
        - require(bool,string)(block.timestamp <= deadline,ERC20: expired permit) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#52)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#block-timestamp

AccessControlStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/AccessControlStorage.sol#96-101) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/AccessControlStorage.sol#98-100)
ContractOwnershipStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#76-81) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#78-80)
InterfaceDetectionStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#42-47) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#44-46)
ERC2771Calldata.msgSender() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#8-12) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#9-11)
ERC20DetailedStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#81-86) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#83-85)
ERC20MetadataStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#35-40) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#37-39)
ERC20PermitStorage.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#87-102) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#89-91)
ERC20PermitStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#104-109) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#106-108)
ERC20Storage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#552-557) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#554-556)
Address.verifyCallResult(bool,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#213-216)
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#54-56)
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AUTOMATED TESTING

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StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) uses assembly
	- INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#64-66)
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) uses assembly
	- INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#74-76)
StorageSlot.getUint256Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) uses assembly
	- INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#84-86)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#assembly-usage

Different versions of Solidity are used:
	- Version used: ['0.8.17', '^0.8.0', '^0.8.1', '^0.8.8']
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/AccessControl.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/ContractOwnership.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/AccessControlBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/interfaces/IERC173.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/AccessControlStorage.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/TokenRecovery.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20BatchTransfers.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Burnable.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Detailed.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Metadata.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Mintable.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Permit.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20SafeTransfers.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20Base.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20BatchTransfersBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20BurnableBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20DetailedBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20MetadataBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20MintableBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20PermitBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20SafeTransfersBase.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Detailed.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Metadata.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC721/interfaces/IERC721.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/utils/libraries/Bytes32.sol#2)
	- ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/interfaces/IERC20.sol#4)
	- ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#4)
	- ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#4)
	- ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#4)
	- ^0.8.1 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#4)
	- ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Context.sol#4)
	- ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4)
	- 0.8.17 (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/ERC20MintBurn.sol#2)
	- 0.8.17 (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/REVRVaringCatalyst.sol#2)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#different-pragma-directives-are-used

Address.functionCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#85-87) is never used and should be removed
Address.functionCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#95-101) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#114-120) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#128-139) is never used and should be removed
Address.functionDelegateCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#174-176) is never used and should be removed

Address.functionDelegateCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193) is never used and should be removed
Address.functionStaticCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#147-149) is never used and should be removed
Address.functionStaticCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166) is never used and should be removed
Address.verifyCallResult(bool,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) is never used and should be removed
Bytes32.toBase32String(bytes32) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/utils/libraries/Bytes32.sol#8-22) is never used and should be removed
Context._msgData() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Context.sol#21-23) is never used and should be removed
Context._msgSender() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Context.sol#17-19) is never used and should be removed
ContractOwnershipStorage.proxyInit(ContractOwnershipStorage.Layout,address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#41-44) is ne
ERC20DetailedStorage.proxyInit(ERC20DetailedStorage.Layout,string,string,uint8) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#47-58)
ERC20MintBurn._msgData() (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/ERC20MintBurn.sol#50-52) is never used and should be removed
ERC20PermitStorage.init() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20PermitStorage.sol#25-27) is never used and should be removed
ERC20Storage.initERC20BatchTransfers() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#41-43) is never used and should be removed
ERC20Storage.initERC20Burnable() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#56-58) is never used and should be removed
ERC20Storage.initERC20Mintable() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#51-53) is never used and should be removed
ERC20Storage.initERC20SafeTransfers() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#46-48) is never used and should be removed
ERC2771Calldata._msgData() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#15-19) is never used and should be removed
ForwarderRegistryContextBase._msgData() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#36-49) is never used and should be removed
ProxyInitialization.setPhase(bytes32,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#12-16) is never used and should be removed
SafeERC20._callOptionalReturn(IERC20,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#105-115) is never used and should be removed
SafeERC20.safeApprove(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#44-59) is never used and should be removed
SafeERC20.safeDecreaseAllowance(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#70-81) is never used and should be removed
SafeERC20.safeIncreaseAllowance(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#61-68) is never used and should be removed
SafeERC20.safePermit(IERC20Permit,address,address,uint256,uint8,bytes32,bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#83-97) is never used and sh
SafeERC20.safeTransfer(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#22-28) is never used and should be removed
SafeERC20.safeTransferFrom(IERC20,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#30-37) is never used and should be removed
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) is never used and should be removed
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) is never used and should be removed
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) is never used and should be removed
StorageSlot.getUint256Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) is never used and should be removed
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dead-code

Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/AccessControl.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.htm
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/ContractOwnership.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/AccessControlBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/la
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/interfaces/IERC173.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/AccessControlStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs.
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2) is known to contain severe issues (https://solidity.read
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.i
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bu
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/TokenRecovery.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.h
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20BatchTransfers.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Burnable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Detailed.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Metadata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Mintable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Permit.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20SafeTransfers.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20Base.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bu
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20BatchTransfersBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.i
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20BurnableBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20DetailedBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20MetadataBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20MintableBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20PermitBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20SafeTransfersBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Detailed.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Metadata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2) is known to contain severe issues (https://solidity.readthedocs
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs
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AUTOMATED TESTING

```
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs.i
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/l
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC721/interfaces/IERC721.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/utils/libraries/Bytes32.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/interfaces/IERC20.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#4) allows old versions
Pragma version^0.8.1 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Context.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4) allows old versions
Pragma version0.8.17 (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/ERC20MintBurn.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.7
Pragma version0.8.17 (../../../pro/HALBORN/animocaERC20/contracts/token/ERC20/REVVRacingCatalyst.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.7
solc-0.8.17 is not recommended for deployment
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity

Low level call in Address.sendValue(address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#60-65):
        - (success) = recipient.call{value: amount}() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#63)
Low level call in Address.functionCallWithValue(address,bytes,uint256,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#128-139):
        - (success,returndata) = target.call{value: value}(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#137)
Low level call in Address.functionStaticCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166):
        - (success,returndata) = target.staticcall(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#164)
Low level call in Address.functionDelegateCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193):
        - (success,returndata) = target.delegatecall(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#191)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#low-level-calls

Variable ForwarderRegistryContextBase._forwarderRegistry (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is not in mixedCase
Function ERC20PermitBase.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20PermitBase.sol#35-37) is not in mixedCase
Function IERC20Permit.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#55) is not in mixedCase
Function ERC20PermitStorage.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#87-102) is not in mixedCase
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions

Variable ForwarderRegistryContextBase._forwarderRegistry (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is too similar to ForwarderR
egistry_ (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#12)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#variable-names-are-too-similar

owner() should be declared external:
        - ContractOwnershipBase.owner() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#16-18)
transferOwnership(address) should be declared external:
        - ContractOwnershipBase.transferOwnership(address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#21-23)
allowance(address,address) should be declared external:
        - ERC20Base.allowance(address,address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20Base.sol#60-62)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#public-function-that-could-be-declared-external
```

Polygon ERC20 bridging setup smart contracts

FxTokenMapping.sol

```
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/FxTokenMapping.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
solc-0.8.8 is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity
```

FxERC20.sol

```
IERC20Permit is re-used:
        - IERC20Permit (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#8-56)
        - IERC20Permit (node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#14-60)
IERC20 is re-used:
        - IERC20 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#7-70)
        - IERC20 (node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#9-82)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#name-reused

FxERC20 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20.sol#25-85) has incorrect ERC721 function interface:ERC20SafeTransfersBase.safeTransferFrom(address,address,uint256,bytes) (node_modules/
RC20SafeTransfersBase.sol#25-33)
FxERC20 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20.sol#25-85) has incorrect ERC721 function interface:IERC20SafeTransfers.safeTransferFrom(address,address,uint256,bytes) (node_modules/@a
s/IERC20SafeTransfers.sol#35-40)
FxERC20 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20.sol#25-85) has incorrect ERC721 function interface:ERC20Base.approve(address,uint256) (node_modules/@animoca/ethereum-contracts/contract
FxERC20 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20.sol#25-85) has incorrect ERC721 function interface:ERC20Base.transferFrom(address,address,uint256) (node_modules/@animoca/ethereum-cont
FxERC20 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20.sol#25-85) has incorrect ERC721 function interface:IERC20.approve(address,uint256) (node_modules/@animoca/ethereum-contracts/contracts/
FxERC20 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20.sol#25-85) has incorrect ERC721 function interface:IERC20.transferFrom(address,address,uint256) (node_modules/@animoca/ethereum-contract
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-erc721-interface

ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).totalValue (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#404) is a local variable never initialized
TokenRecoveryBase.recoverERC721s(address[],IERC721[],uint256[]).i (node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#82) is a local variable never initialized
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).totalValue (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#497) is a local variable never initi
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).selfTransferTotalValue (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#214) is a local variabl
TokenRecoveryBase.recoverERC20s(address[],IERC20[],uint256[]).i (node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#58) is a local variable never initialized
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).totalValue (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#213) is a local variable never initi
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).selfTransferTotalValue (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#270) is a lo
TokenRecoveryBase.recoverETH(address[],uint256[]).i (node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#34) is a local variable never initialized
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).totalValue (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#269) is a local variabl
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).i (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#406) is a local variable never initialized
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).i (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#272) is a local variable never in
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).i (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#499) is a local variable never initialized
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).i (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#216) is a local variable never initialized
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#uninitialized-local-variables

FxERC20.constructor(IForwarderRegistry).forwarderRegistry (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20.sol#44) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#local-variable-shadowing

TokenRecoveryBase.recoverERC721s(address[],IERC721[],uint256[]) (node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#73-86) has external calls inside a loop: contracts[i].transfe
s/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#83)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation/#calls-inside-a-loop

ERC20PermitStorage.permit(ERC20PermitStorage.Layout,address,address,uint256,uint256,uint8,bytes32,bytes32) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#41-60) us
        Dangerous comparisons:
        - require(bool,string)(block.timestamp <= deadline,ERC20: expired permit) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#52)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#block-timestamp

ContractOwnershipStorage.layout() (node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#76-81) uses assembly
        - INLINE ASM (node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#78-80)
InterfaceDetectionStorage.layout() (node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#42-47) uses assembly
        - INLINE ASM (node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#44-46)
ERC2771Calldata.msgSender() (node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#8-12) uses assembly
        - INLINE ASM (node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#9-11)
ERC20DetailedStorage.layout() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#81-86) uses assembly
        - INLINE ASM (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#83-85)
ERC20MetadataStorage.layout() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#35-40) uses assembly
        - INLINE ASM (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#37-39)
ERC20PermitStorage.DOMAIN_SEPARATOR() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#87-102) uses assembly
        - INLINE ASM (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#89-91)
ERC20PermitStorage.layout() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#104-109) uses assembly
        - INLINE ASM (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#106-108)
ERC20Storage.layout() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#552-557) uses assembly
        - INLINE ASM (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#554-556)
Address.verifyCallResult(bool,bytes,string) (node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) uses assembly
        - INLINE ASM (node_modules/@openzeppelin/contracts/utils/Address.sol#213-216)
StorageSlot.getAddressSlot(bytes32) (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) uses assembly
        - INLINE ASM (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#54-56)
StorageSlot.getBooleanSlot(bytes32) (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) uses assembly
        - INLINE ASM (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#64-66)
StorageSlot.getBytes32Slot(bytes32) (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) uses assembly
        - INLINE ASM (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#74-76)
StorageSlot.getUint256Slot(bytes32) (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) uses assembly
        - INLINE ASM (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#84-86)
FxERC20Storage.layout() (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/libraries/FxERC20Storage.sol#41-46) uses assembly
        - INLINE ASM (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/libraries/FxERC20Storage.sol#43-45)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#assembly-usage

Different versions of Solidity are used:
        - Version used: ['^0.8.0', '^0.8.1', '^0.8.8']
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/access/interfaces/IERC173.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20Base.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20BatchTransfersBase.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20DetailedBase.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20MetadataBase.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20PermitBase.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20SafeTransfersBase.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Detailed.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Metadata.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC721/interfaces/IERC721.sol#2)
        - ^0.8.0 (node_modules/@openzeppelin/contracts/interfaces/IERC20.sol#4)
        - ^0.8.0 (node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#4)
        - ^0.8.0 (node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#4)
        - ^0.8.0 (node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#4)
        - ^0.8.1 (node_modules/@openzeppelin/contracts/utils/Address.sol#4)
        - ^0.8.0 (node_modules/@openzeppelin/contracts/utils/Context.sol#4)
        - ^0.8.0 (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20.sol#2)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20.sol#2)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/libraries/FxERC20Storage.sol#2)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#different-pragma-directives-are-used

Address.functionCall(address,bytes) (node_modules/@openzeppelin/contracts/utils/Address.sol#85-87) is never used and should be removed
Address.functionCall(address,bytes,string) (node_modules/@openzeppelin/contracts/utils/Address.sol#95-101) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256) (node_modules/@openzeppelin/contracts/utils/Address.sol#114-120) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256,string) (node_modules/@openzeppelin/contracts/utils/Address.sol#128-139) is never used and should be removed
Address.functionDelegateCall(address,bytes) (node_modules/@openzeppelin/contracts/utils/Address.sol#174-176) is never used and should be removed
Address.functionDelegateCall(address,bytes,string) (node_modules/@openzeppelin/contracts/utils/Address.sol#184-193) is never used and should be removed
Address.functionStaticCall(address,bytes) (node_modules/@openzeppelin/contracts/utils/Address.sol#147-149) is never used and should be removed
Address.functionStaticCall(address,bytes,string) (node_modules/@openzeppelin/contracts/utils/Address.sol#157-166) is never used and should be removed
Address.verifyCallResult(bool,bytes,string) (node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) is never used and should be removed
Context._msgData() (node_modules/@openzeppelin/contracts/utils/Context.sol#21-23) is never used and should be removed
Context._msgSender() (node_modules/@openzeppelin/contracts/utils/Context.sol#17-19) is never used and should be removed
ContractOwnershipStorage.constructorInit(ContractOwnershipStorage.Layout,address) (node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#26-32) is never used and should be
ContractOwnershipStorage.proxyInit(ContractOwnershipStorage.Layout,address) (node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#41-44) is never used and should be remo
ERC20DetailedStorage.constructorInit(ERC20DetailedStorage.Layout,string,string,uint8) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#27-37) is never used and sho
ERC20DetailedStorage.proxyInit(ERC20DetailedStorage.Layout,string,string,uint8) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#47-58) is never used and should be
ERC20MetadataStorage.init() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#19-21) is never used and should be removed
ERC20PermitStorage.init() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#25-27) is never used and should be removed
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#486-522) is never used and should be removed
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#394-427) is never used and should be removed
ERC20Storage.burn(ERC20Storage.Layout,address,uint256) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#437-453) is never used and should be removed
```

```
ERC20Storage.init() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#34-38) is never used and should be removed
ERC20Storage.initERC20BatchTransfers() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#41-43) is never used and should be removed
ERC20Storage.initERC20Burnable() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#56-58) is never used and should be removed
ERC20Storage.initERC20Mintable() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#51-53) is never used and should be removed
ERC20Storage.initERC20SafeTransfers() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#46-48) is never used and should be removed
ERC20Storage.mint(ERC20Storage.Layout,address,uint256) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#368-384) is never used and should be removed
ERC2771Calldata.msgData() (node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#15-19) is never used and should be removed
ForwarderRegistryContextBase._msgData() (node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#36-49) is never used and should be removed
FxERC20._msgData() (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20.sol#82-84) is never used and should be removed
FxERC20.init(address,address,string,string,uint8,string,address) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20.sol#46-64) is never used and should be removed
FxERC20Storage.init(FxERC20Storage.Layout,address,address) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/libraries/FxERC20Storage.sol#23-31) is never used and should be removed
InterfaceDetectionStorage.setSupportedInterface(InterfaceDetectionStorage.Layout,bytes4,bool) (node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#19-26) is neve
ProxyInitialization.setPhase(bytes32,uint256) (node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#12-16) is never used and should be removed
SafeERC20._callOptionalReturn(IERC20,bytes) (node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#105-115) is never used and should be removed
SafeERC20.safeApprove(IERC20,address,uint256) (node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#46-59) is never used and should be removed
SafeERC20.safeDecreaseAllowance(IERC20,address,uint256) (node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#70-81) is never used and should be removed
SafeERC20.safeIncreaseAllowance(IERC20,address,uint256) (node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#61-68) is never used and should be removed
SafeERC20.safePermit(IERC20Permit,address,address,uint256,uint8,bytes32,bytes32) (node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#83-97) is never used and should be removed
SafeERC20.safeTransfer(IERC20,address,uint256) (node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#22-28) is never used and should be removed
SafeERC20.safeTransferFrom(IERC20,address,address,uint256) (node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#30-37) is never used and should be removed
StorageSlot.getAddressSlot(bytes32) (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) is never used and should be removed
StorageSlot.getBooleanSlot(bytes32) (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) is never used and should be removed
StorageSlot.getBytes32Slot(bytes32) (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) is never used and should be removed
StorageSlot.getUint256Slot(bytes32) (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) is never used and should be removed
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dead-code

Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/access/interfaces/IERC173.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.ht
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20Base.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20BatchTransfersBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20DetailedBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20MetadataBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20PermitBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20SafeTransfersBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Detailed.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Metadata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC721/interfaces/IERC721.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/interfaces/IERC20.sol#4) allows old versions
Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#4) allows old versions
Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#4) allows old versions
Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#4) allows old versions
Pragma version^0.8.1 (node_modules/@openzeppelin/contracts/utils/Address.sol#4) allows old versions
Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/utils/Context.sol#4) allows old versions
Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4) allows old versions
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/libraries/FxERC20Storage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
solc-0.8.8 is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity

Low level call in Address.sendValue(address,uint256) (node_modules/@openzeppelin/contracts/utils/Address.sol#60-65):
        - (success) = recipient.call{value: amount}() (node_modules/@openzeppelin/contracts/utils/Address.sol#63)
Low level call in Address.functionCallWithValue(address,bytes,uint256,string) (node_modules/@openzeppelin/contracts/utils/Address.sol#128-139):
        - (success) = recipient.call{value: amount}() (node_modules/@openzeppelin/contracts/utils/Address.sol#63)
Low level call in Address.functionCallWithValue(address,bytes,uint256,string) (node_modules/@openzeppelin/contracts/utils/Address.sol#128-139):
        - (success,returndata) = target.call{value: value}(data) (node_modules/@openzeppelin/contracts/utils/Address.sol#137)
Low level call in Address.functionStaticCall(address,bytes,string) (node_modules/@openzeppelin/contracts/utils/Address.sol#157-166):
        - (success,returndata) = target.staticcall(data) (node_modules/@openzeppelin/contracts/utils/Address.sol#164)
Low level call in Address.functionDelegateCall(address,bytes,string) (node_modules/@openzeppelin/contracts/utils/Address.sol#184-193):
        - (success,returndata) = target.delegatecall(data) (node_modules/@openzeppelin/contracts/utils/Address.sol#191)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#low-level-calls

Variable ForwarderRegistryContextBase._forwarderRegistry (node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is not in mixedCase
Function ERC20PermitBase.DOMAIN_SEPARATOR() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20PermitBase.sol#35-37) is not in mixedCase
Function IERC20Permit.DOMAIN_SEPARATOR() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#55) is not in mixedCase
Function ERC20PermitStorage.DOMAIN_SEPARATOR() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#87-102) is not in mixedCase
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions

Variable ForwarderRegistryContextBase._forwarderRegistry (node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is too similar to ForwarderRegistryContext.constructor()
moca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#12)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#variable-names-are-too-similar

owner() should be declared external:
        - ContractOwnershipBase.owner() (node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#16-18)
transferOwnership(address) should be declared external:
        - ContractOwnershipBase.transferOwnership(address) (node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#21-23)
allowance(address,address) should be declared external:
        - ERC20Base.allowance(address,address) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20Base.sol#60-62)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#public-function-that-could-be-declared-external
```

FxERC20ChildTunnel.sol

```
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).i (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#216) is a local variable never initialized
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).i (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#406) is a local variable never initialized
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).i (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#499) is a local variable never initialized
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).selfTransferTotalValue (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#214) is a local variable
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).totalValue (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#404) is a local variable never initialized
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).totalValue (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#269) is a local variable
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).totalValue (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#497) is a local variable never init
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).totalValue (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#213) is a local variable never init
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).i (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#272) is a local variable never i
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).selfTransferTotalValue (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#270) is a l
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#uninitialized-local-variables

FxERC20ChildTunnel.constructor(address,address,IForwarderRegistry).fxChild (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#33) shadows:
        - FxBaseChildTunnel.fxChild (node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#21) (state variable)
FxERC20ChildTunnel.constructor(address,address,IForwarderRegistry).forwarderRegistry (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#35) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#local-variable-shadowing

FxBaseChildTunnel.setFxRootTunnel(address)._fxRootTunnel (node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#37) lacks a zero-check on :
                - fxRootTunnel = _fxRootTunnel (node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#39)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#missing-zero-address-validation

Reentrancy in FxERC20ChildTunnel._withdraw(address,address,uint256) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#102-110):
        External calls:
        - rootToken = _getMappedRootToken(childToken) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#107)
                - rootToken = IFxERC20(childToken).connectedToken() (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#124)
        Event emitted after the call(s):
        - MessageSent(message) (node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#61)
                - _sendMessageToRoot(abi.encode(rootToken,childToken,receiver,amount)) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#109)
Reentrancy in FxERC20ChildTunnel._withdrawFrom(address,address,address,uint256) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#112-121):
        External calls:
        - rootToken = _getMappedRootToken(childToken) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#118)
                - rootToken = IFxERC20(childToken).connectedToken() (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#124)
        Event emitted after the call(s):
        - MessageSent(message) (node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#61)
                - _sendMessageToRoot(abi.encode(rootToken,childToken,receiver,amount)) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#120)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#reentrancy-vulnerabilities-3

InterfaceDetectionStorage.layout() (node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#42-47) uses assembly
        - INLINE ASM (node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#44-46)
ERC2771Calldata.msgSender() (node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#8-12) uses assembly
        - INLINE ASM (node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#9-11)
ERC20Storage.layout() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#552-557) uses assembly
        - INLINE ASM (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#554-556)
Create2.createClone(bytes32,address) (node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses assembly
        - INLINE ASM (node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#10-16)
Address.verifyCallResult(bool,bytes,string) (node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) uses assembly
        - INLINE ASM (node_modules/@openzeppelin/contracts/utils/Address.sol#213-216)
StorageSlot.getAddressSlot(bytes32) (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) uses assembly
        - INLINE ASM (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#54-56)
StorageSlot.getBooleanSlot(bytes32) (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) uses assembly
        - INLINE ASM (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#64-66)
StorageSlot.getBytes32Slot(bytes32) (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) uses assembly
        - INLINE ASM (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#74-76)
StorageSlot.getUint256Slot(bytes32) (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) uses assembly
        - INLINE ASM (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#84-86)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#assembly-usage

Different versions of Solidity are used:
        - Version used: ['^0.8.0', '^0.8.1', '^0.8.8']
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Receiver.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Receiver.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20burnable.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2)
        - ^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2)
        - ^0.8.0 (node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#2)
        - ^0.8.0 (node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#2)
        - ^0.8.1 (node_modules/@openzeppelin/contracts/utils/Address.sol#4)
        - ^0.8.0 (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#2)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxTokenMapping.sol#2)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20.sol#2)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#different-pragma-directives-are-used

Address.functionCall(address,bytes) (node_modules/@openzeppelin/contracts/utils/Address.sol#85-87) is never used and should be removed
Address.functionCall(address,bytes,string) (node_modules/@openzeppelin/contracts/utils/Address.sol#95-101) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256) (node_modules/@openzeppelin/contracts/utils/Address.sol#114-120) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256,string) (node_modules/@openzeppelin/contracts/utils/Address.sol#128-139) is never used and should be removed
Address.functionDelegateCall(address,bytes) (node_modules/@openzeppelin/contracts/utils/Address.sol#174-176) is never used and should be removed
Address.functionDelegateCall(address,bytes,string) (node_modules/@openzeppelin/contracts/utils/Address.sol#184-193) is never used and should be removed
Address.functionStaticCall(address,bytes) (node_modules/@openzeppelin/contracts/utils/Address.sol#147-149) is never used and should be removed
Address.functionStaticCall(address,bytes,string) (node_modules/@openzeppelin/contracts/utils/Address.sol#157-166) is never used and should be removed
Address.isContract(address) (node_modules/@openzeppelin/contracts/utils/Address.sol#36-42) is never used and should be removed
Address.sendValue(address,uint256) (node_modules/@openzeppelin/contracts/utils/Address.sol#60-65) is never used and should be removed
Address.verifyCallResult(bool,bytes,string) (node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) is never used and should be removed
Create2.minimalProxyCreationCode(address) (node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#22-28) is never used and should be removed
ERC20Storage._callOnERC20Received(address,address,address,uint256,bytes) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#566-574) is never used and should be removed
ERC20Storage.allowance(ERC20Storage.Layout,address,address) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#544-550) is never used and should be removed
ERC20Storage.approve(ERC20Storage.Layout,address,address,uint256) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#67-76) is never used and should be removed
ERC20Storage.balanceOf(ERC20Storage.Layout,address) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#535-537) is never used and should be removed
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#486-522) is never used and should be removed
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#394-427) is never used and should be removed
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#200-241) is never used and should be removed
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#255-303) is never used and should b
ERC20Storage.burn(ERC20Storage.Layout,address,uint256) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#437-453) is never used and should be removed
ERC20Storage.burnFrom(ERC20Storage.Layout,address,address,uint256) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#464-474) is never used and should be removed
ERC20Storage.decreaseAllowance(ERC20Storage.Layout,address,address,uint256) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#113-132) is never used and should be removed
ERC20Storage.increaseAllowance(ERC20Storage.Layout,address,address,uint256) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#86-103) is never used and should be removed
ERC20Storage.init() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#34-38) is never used and should be removed
ERC20Storage.initERC20BatchTransfers() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#41-43) is never used and should be removed
ERC20Storage.initERC20Burnable() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#56-58) is never used and should be removed
ERC20Storage.initERC20Mintable() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#51-53) is never used and should be removed
ERC20Storage.initERC20SafeTransfers() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#46-48) is never used and should be removed
ERC20Storage.layout() (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#552-557) is never used and should be removed
ERC20Storage.mint(ERC20Storage.Layout,address,uint256) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#368-384) is never used and should be removed
ERC20Storage.safeTransfer(ERC20Storage.Layout,address,address,uint256,bytes) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#318-329) is never used and should be removed
ERC20Storage.safeTransferFrom(ERC20Storage.Layout,address,address,address,uint256,bytes) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#345-357) is never used and should
ERC20Storage.totalSupply(ERC20Storage.Layout) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#527-529) is never used and should be removed
ERC20Storage.transfer(ERC20Storage.Layout,address,address,uint256) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#142-163) is never used and should be removed
ERC20Storage.transferFrom(ERC20Storage.Layout,address,address,address,uint256) (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#176-187) is never used and should be remove
ERC2771Calldata.msgData() (node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#15-19) is never used and should be removed
ForwarderRegistryContextBase._msgData() (node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#36-49) is never used and should be removed
InterfaceDetectionStorage.setSupportedInterface(InterfaceDetectionStorage.Layout,bytes4,bool) (node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#19-26) is neve
ProxyInitialization.setPhase(bytes32,uint256) (node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#12-16) is never used and should be removed
StorageSlot.getAddressSlot(bytes32) (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) is never used and should be removed
StorageSlot.getBooleanSlot(bytes32) (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) is never used and should be removed
StorageSlot.getBytes32Slot(bytes32) (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) is never used and should be removed
StorageSlot.getUint256Slot(bytes32) (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) is never used and should be removed
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dead-code

Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.ht
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
```

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Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/ERC2771.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Receiver.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#2) allows old versions
Pragma version^0.8.0 (node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#2) allows old versions
Pragma version^0.8.1 (node_modules/@openzeppelin/contracts/utils/Address.sol#4) allows old versions
Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4) allows old versions
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxTokenMapping.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
solc-0.8.8 is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity

Low level call in Address.sendValue(address,uint256) (node_modules/@openzeppelin/contracts/utils/Address.sol#60-65):
        - (success) = recipient.call{value: amount}() (node_modules/@openzeppelin/contracts/utils/Address.sol#63)
Low level call in Address.functionCallWithValue(address,bytes,uint256,string) (node_modules/@openzeppelin/contracts/utils/Address.sol#128-139):
        - (success,returndata) = target.call{value: value}(data) (node_modules/@openzeppelin/contracts/utils/Address.sol#137)
Low level call in Address.functionStaticCall(address,bytes,string) (node_modules/@openzeppelin/contracts/utils/Address.sol#157-166):
        - (success,returndata) = target.staticcall(data) (node_modules/@openzeppelin/contracts/utils/Address.sol#164)
Low level call in Address.functionDelegateCall(address,bytes,string) (node_modules/@openzeppelin/contracts/utils/Address.sol#184-193):
        - (success,returndata) = target.delegatecall(data) (node_modules/@openzeppelin/contracts/utils/Address.sol#191)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#low-level-calls

Variable ForwarderRegistryContextBase._forwarderRegistry (node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is not in mixedCase
Parameter Create2.createClone(bytes32,address)._salt (node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7) is not in mixedCase
Parameter Create2.createClone(bytes32,address)._target (node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7) is not in mixedCase
Parameter FxBaseChildTunnel.setFxRootTunnel(address)._fxRootTunnel (node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#37) is not in mixedCase
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions

Variable ForwarderRegistryContextBase._forwarderRegistry (node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is too similar to ForwarderRegistryContext.constructor(
moca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#12)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#variable-names-are-too-similar

Create2.createClone(bytes32,address) (node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses literals with too many digits:
        - mstore(uint256,uint256)(clone_createClone_asm_0,0x3d602d80600a3d3981f3363d3d373d3d3d363d730000000000000000000000000000000) (node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#12)
Create2.createClone(bytes32,address) (node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses literals with too many digits:
        - mstore(uint256,uint256)(clone_createClone_asm_0 + 0x28,0x5af43d82803e903d91602b57fd5bf3000000000000000000000000000000000) (node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#14)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#too-many-digits

FxERC20ChildTunnel (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#17-181) does not implement functions:
        - FxERC20ChildTunnel._deposit(address,address,uint256) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#164-168)
        - FxERC20ChildTunnel._initializeChildToken(address,address,bytes) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#157-161)
        - FxERC20ChildTunnel._withdraw(address,uint256) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#172)
        - FxERC20ChildTunnel._withdrawFrom(address,address,uint256) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#176-180)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#unimplemented-functions

computedCreate2Address(bytes32,bytes32,address) should be declared external:
        - Create2.computedCreate2Address(bytes32,bytes32,address) (node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#31-38)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#public-function-that-could-be-declared-external
```

FxERC20FixedSupply.sol

```
IERC20Permit is re-used:
        - IERC20Permit (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#8-56)
        - IERC20Permit (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#14-60)
IERC20 is re-used:
        - IERC20 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#7-70)
        - IERC20 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#9-82)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#name-reused

FxERC20FixedSupply (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupply.sol#9-27) has incorrect ERC721 function interface:ERC20SafeTransfersBase.safeTransferFrom(address,address,uint256,
a/ethereum-contracts/contracts/token/ERC20/base/ERC20SafeTransfersBase.sol#25-33)
FxERC20FixedSupply (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupply.sol#9-27) has incorrect ERC721 function interface:IERC20SafeTransfers.safeTransferFrom(address,address,uint256,by
thereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#35-40)
FxERC20FixedSupply (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupply.sol#9-27) has incorrect ERC721 function interface:ERC20Base.approve(address,uint256) (../../HALBORN/animocaBridge/
/ERC20/base/ERC20Base.sol#16-19)
FxERC20FixedSupply (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupply.sol#9-27) has incorrect ERC721 function interface:ERC20Base.transferFrom(address,address,uint256) (../../HALBORN/
ntracts/token/ERC20/base/ERC20Base.sol#28-35)
FxERC20FixedSupply (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupply.sol#9-27) has incorrect ERC721 function interface:IERC20.approve(address,uint256) (../../HALBORN/animocaBridge/noc
C20/interfaces/IERC20.sol#29)
FxERC20FixedSupply (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupply.sol#9-27) has incorrect ERC721 function interface:IERC20.transferFrom(address,address,uint256) (../../HALBORN/anim
acts/token/ERC20/interfaces/IERC20.sol#50-54)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-erc721-interface

ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#216) is a local v
TokenRecoveryBase.recoverETH(address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#34) is a local variable never initialized
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).selfTransferTotalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/E
ed
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#404) is a local var
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).selfTransferTotalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#499) is a local v
TokenRecoveryBase.recoverERC20s(address[],IERC20[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#58) is a local variable never ini
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#213) is
TokenRecoveryBase.recoverERC721s(address[],IERC721[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#82) is a local variable never in
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#497) is
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#406) is a local variable neve
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#272)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#uninitialized-local-variables

FxERC20.constructor(IForwarderRegistry).forwarderRegistry (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20.sol#44) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
FxERC20FixedSupply.constructor(IForwarderRegistry).forwarderRegistry (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupply.sol#12) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
FxERC20FixedSupply.initialize(address,address,uint256,string,string,address).totalSupply (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupply.sol#17) shadows:
        - ERC20Base.totalSupply() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20Base.sol#50-52) (function)
        - IERC20.totalSupply() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#58) (function)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#local-variable-shadowing

TokenRecoveryBase.recoverERC721s(address[],IERC721[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#73-86) has external calls inside
i],tokenIds[i]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#83)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#calls-inside-a-loop

ERC20PermitStorage.permit(ERC20PermitStorage.Layout,address,address,uint256,uint256,uint8,bytes32,bytes32) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC2
        Dangerous comparisons:
        - require(bool,string)(block.timestamp <= deadline,ERC20: expired permit) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#52)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#block-timestamp

ContractOwnershipStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#76-81) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#78-80)
InterfaceDetectionStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#42-47) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#44-46)
ERC2771Calldata.msgSender() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#8-12) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#9-11)
ERC20DetailedStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#81-86) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#83-85)
ERC20MetadataStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#35-40) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#37-39)
ERC20PermitStorage.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#87-102) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#89-91)
ERC20PermitStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#104-109) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#106-108)
ERC20Storage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#552-557) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#554-556)
Address.verifyCallResult(bool,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#213-216)
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#54-56)
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#64-66)
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#74-76)
StorageSlot.getUint256Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#84-86)
FxERC20Storage.layout() (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/libraries/FxERC20Storage.sol#41-46) uses assembly
        - INLINE ASM (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/libraries/FxERC20Storage.sol#43-45)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#assembly-usage

Different versions of Solidity are used:
        - Version used: ['0.8.17', '^0.8.0', '^0.8.1', '^0.8.8']
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/interfaces/IERC173.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20Base.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20BatchTransfersBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20DetailedBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20MetadataBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20PermitBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20SafeTransfersBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Detailed.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Metadata.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC721/interfaces/IERC721.sol#2)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/interfaces/IERC20.sol#4)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#4)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#4)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#4)
        - ^0.8.1 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#4)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Context.sol#4)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20.sol#2)
        - 0.8.17 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupply.sol#2)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20.sol#2)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20FixedSupply.sol#2)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/libraries/FxERC20Storage.sol#2)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#different-pragma-directives-are-used

Address.functionCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#85-87) is never used and should be removed
Address.functionCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#95-101) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#114-120) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#128-139) is never used and should be removed
Address.functionDelegateCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#174-176) is never used and should be removed
Address.functionDelegateCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193) is never used and should be removed
Address.functionStaticCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#147-149) is never used and should be removed
Address.functionStaticCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166) is never used and should be removed
Address.verifyCallResult(bool,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) is never used and should be removed
Context._msgData() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Context.sol#21-23) is never used and should be removed
Context._msgSender() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Context.sol#17-19) is never used and should be removed
ERC20DetailedStorage.constructorInit(ERC20DetailedStorage.Layout,string,string,uint8) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#486-522) is never
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#394-427) is never used and sho
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AUTOMATED TESTING

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ERC20Storage.burn(ERC20Storage.Layout,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#437-453) is never used and should be rem
ERC20Storage.burnFrom(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#464-474) is never used and s
ERC20Storage.initERC20Burnable() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#56-58) is never used and should be removed
ERC20Storage.initERC20Mintable() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#51-53) is never used and should be removed
ERC2771Calldata.msgData() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#15-19) is never used and should be removed
ForwarderRegistryContextBase._msgData() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#36-49) is never used and should be removed
FxERC20._msgData() (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20.sol#82-84) is never used and should be removed
SafeERC20._callOptionalReturn(IERC20,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#105-115) is never used and should be removed
SafeERC20.safeApprove(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#46-59) is never used and should be removed
SafeERC20.safeDecreaseAllowance(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#70-81) is never used and should be removed
SafeERC20.safeIncreaseAllowance(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#61-68) is never used and should be removed
SafeERC20.safePermit(IERC20Permit,address,address,uint256,uint256,uint8,bytes32,bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#83-97) is never used and sh
SafeERC20.safeTransfer(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#22-28) is never used and should be removed
SafeERC20.safeTransferFrom(IERC20,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#30-37) is never used and should be removed
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) is never used and should be removed
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) is never used and should be removed
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) is never used and should be removed
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dead-code

Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/la
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/interfaces/IERC173.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bu
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs.
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/la
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/la
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2) is known to contain severe issues (https://solidity.rea
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/la
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/b
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/la
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20Base.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bu
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20BatchTransfersBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20DetailedBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20MetadataBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20PermitBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/la
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20SafeTransfersBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Detailed.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Metadata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs.
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC721/interfaces/IERC721.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/interfaces/IERC20.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#4) allows old versions
Pragma version^0.8.1 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Context.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4) allows old versions
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version0.8.17 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupply.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.7
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20FixedSupply.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/libraries/FxERC20Storage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
solc-0.8.17 is not recommended for deployment
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity

Low level call in Address.sendValue(address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#60-65):
        - (success) = recipient.call{value: amount}() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#63)
Low level call in Address.functionCallWithValue(address,bytes,uint256,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#128-139):
        - (success,returndata) = target.call{value: value}(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#137)
Low level call in Address.functionStaticCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166):
        - (success,returndata) = target.staticcall(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#164)
Low level call in Address.functionDelegateCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193):
        - (success,returndata) = target.delegatecall(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#191)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#low-level-calls

Variable ForwarderRegistryContextBase._forwarderRegistry (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is not in mixedCase
Function ERC20PermitBase.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20PermitBase.sol#35-37) is not in mixedCase
Function IERC20Permit.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#55) is not in mixedCase
Function ERC20PermitStorage.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#87-102) is not in mixedCase
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions

Variable ForwarderRegistryContextBase._forwarderRegistry (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is too similar to ForwarderR
Registry_ (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#12)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#variable-names-are-too-similar

owner() should be declared external:
        - ContractOwnershipBase.owner() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#16-18)
transferOwnership(address) should be declared external:
        - ContractOwnershipBase.transferOwnership(address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#21-23)
allowance(address,address) should be declared external:
        - ERC20Base.allowance(address,address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20Base.sol#60-62)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#public-function-that-could-be-declared-external
```

FxERC20FixedSupplyChildTunnel.sol

```
IERC20 is re-used:
        - IERC20 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#7-70)
        - IERC20 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#9-82)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#name-reused

ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#272)
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#216) is a local v
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#497) is
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).selfTransferTotalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#499) is a local v
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#213) is
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).selfTransferTotalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/E
ed
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#404) is a local vari
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#406) is a local variable neve
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#uninitialized-local-variables

FxERC20ChildTunnel.constructor(address,address,IForwarderRegistry).fxChild (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#33) shadows:
        - FxBaseChildTunnel.fxChild (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#21) (state variable)
FxERC20ChildTunnel.constructor(address,address,IForwarderRegistry).forwarderRegistry (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#35) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
FxERC20FixedSupplyChildTunnel.constructor(address,address,IForwarderRegistry).fxChild (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupplyChildTunnel.sol#17) shadows:
        - FxBaseChildTunnel.fxChild (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#21) (state variable)
FxERC20FixedSupplyChildTunnel.constructor(address,address,IForwarderRegistry).childTokenLogic (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupplyChildTunnel.sol#18) shadows:
        - FxERC20ChildTunnel.childTokenLogic (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#23) (state variable)
FxERC20FixedSupplyChildTunnel.constructor(address,address,IForwarderRegistry).forwarderRegistry (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupplyChildTunnel.sol#19) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#local-variable-shadowing

FxBaseChildTunnel.setFxRootTunnel(address)._fxRootTunnel (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#37) lacks a zero-check on :
        - fxRootTunnel = _fxRootTunnel (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#39)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#missing-zero-address-validation

Reentrancy in FxERC20ChildTunnel._withdraw(address,address,uint256) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#102-110):
        External calls:
        - rootToken = _getMappedRootToken(childToken) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#107)
                - rootToken = IFxERC20(childToken).connectedToken() (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#124)
        Event emitted after the call(s):
        - MessageSent(message) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#61)
                - _sendMessageToRoot(abi.encode(rootToken,childToken,receiver,amount)) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#109)
Reentrancy in FxERC20ChildTunnel._withdrawFrom(address,address,address,uint256) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#112-121):
        External calls:
        - rootToken = _getMappedRootToken(childToken) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#118)
                - rootToken = IFxERC20(childToken).connectedToken() (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#124)
        Event emitted after the call(s):
        - MessageSent(message) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#61)
                - _sendMessageToRoot(abi.encode(rootToken,childToken,receiver,amount)) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#120)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#reentrancy-vulnerabilities-3

InterfaceDetectionStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#42-47) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#44-46)
ERC2771Calldata.msgSender() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#8-12) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#9-11)
ERC20Storage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#552-557) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#554-556)
Create2.createClone(bytes32,address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#10-16)
Address.verifyCallResult(bool,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#213-216)
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#54-56)
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#64-66)
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#74-76)
StorageSlot.getUint256Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#84-86)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#assembly-usage

Different versions of Solidity are used:
        - Version used: ['0.8.17', '^0.8.0', '^0.8.1', '^0.8.8']
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Receiver.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#2)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#2)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#4)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#4)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#4)
        - ^0.8.1 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#4)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#2)
        - ^0.8.17 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupplyChildTunnel.sol#2)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxTokenMapping.sol#2)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20.sol#2)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20FixedSupply.sol#2)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#different-pragma-directives-are-used

Address.functionCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#85-87) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#114-120) is never used and should be removed
Address.functionDelegateCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#174-176) is never used and should be removed
Address.functionDelegateCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193) is never used and should be removed
Address.functionStaticCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#147-149) is never used and should be removed
Address.functionStaticCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166) is never used and should be removed
Address.sendValue(address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#68-85) is never used and should be removed
Create2.minimalBytecode(address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#22-28) is never used and should be removed
ERC20Storage._callOnERC20Received(address,address,address,uint256,bytes) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#566-574) is never used
ERC20Storage.allowance(ERC20Storage.Layout,address,address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#544-550) is never used and should b
ERC20Storage.approve(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#67-76) is never used and sho
ERC20Storage.balanceOf(ERC20Storage.Layout,address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#535-537) is never used and should be remov
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#486-522) is never u
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#394-427) is never used and shou
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#208-241) is never u
ERC20Storage.burnFrom(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#255-30
ERC20Storage.burn(ERC20Storage.Layout,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#437-453) is never used and should be ren
ERC20Storage.burnFrom(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#464-474) is never used and s
ERC20Storage.decreaseAllowance(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#113-132) is never u
ERC20Storage.increaseAllowance(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#86-103) is never us
ERC20Storage.init() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#34-38) is never used and should be removed
ERC20Storage.initERC20BatchTransfers() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#41-43) is never used and should be removed
ERC20Storage.initERC20Burnable() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#56-58) is never used and should be removed
ERC20Storage.initERC20Mintable() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#51-53) is never used and should be removed
ERC20Storage.initERC20SafeTransfers() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#46-48) is never used and should be removed
ERC20Storage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#552-557) is never used and should be removed
ERC20Storage.mint(ERC20Storage.Layout,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#368-384) is never used and should be rem
ERC20Storage.safeTransfer(ERC20Storage.Layout,address,address,uint256,bytes) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#318-329) is never
ERC20Storage.safeTransferFrom(ERC20Storage.Layout,address,address,address,uint256,bytes) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#345-3
ERC20Storage.totalSupply(ERC20Storage.Layout) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#527-529) is never used and should be removed
ERC20Storage.transfer(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#142-163) is never used and s
ERC20Storage.transferFrom(ERC20Storage.Layout,address,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#176-187) is neve
ERC2771Calldata.msgData() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#15-19) is never used and should be removed
ForwarderRegistryContextBase._msgData() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#36-49) is never used and should be removed
InterfaceDetectionStorage.setSupportedInterface(InterfaceDetectionStorage.Layout,bytes4,bool) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetecti
ProxyInitialization.setPhase(bytes32,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#12-16) is never used and should be removed
SafeERC20.safeApprove(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#44-59) is never used and should be removed
SafeERC20.safeDecreaseAllowance(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#70-81) is never used and should be removed
SafeERC20.safeIncreaseAllowance(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#61-68) is never used and should be removed
SafeERC20.safePermit(IERC20Permit,address,address,uint256,uint256,uint8,bytes32,bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#83-97) is never used and sh
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) is never used and should be removed
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) is never used and should be removed
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) is never used and should be removed
StorageSlot.getUint256Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) is never used and should be removed
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dead-code
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Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/la
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/la
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2) is known to contain severe issues (https://solidity.rea
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.i
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bu
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/la
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en,
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Receiver.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2) is known to contain severe issues (https://solidity.readthedocs.io,
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#2) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#2) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#4) allows old versions
Pragma version^0.8.1 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4) allows old versions
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version0.8.17 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupplyChildTunnel.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.7
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxTokenMapping.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20FixedSupply.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
solc-0.8.17 is not recommended for deployment
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity

Low level call in Address.sendValue(address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#60-65):
        - (success) = recipient.call{value: amount}() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#63)
Low level call in Address.functionCallWithValue(address,bytes,uint256,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#128-139):
        - (success,returndata) = target.call{value: value}(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#137)
Low level call in Address.functionStaticCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166):
        - (success,returndata) = target.staticcall(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#164)
Low level call in Address.functionDelegateCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193):
        - (success,returndata) = target.delegatecall(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#191)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#low-level-calls

Variable ForwarderRegistryContextBase._forwarderRegistry (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is not in mixedCase
Parameter Create2.createClone(bytes32,address)._salt (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7) is not in mixedCase
Parameter Create2.createClone(bytes32,address)._target (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7) is not in mixedCase
Parameter FxBaseChildTunnel.setFxRootTunnel(address)._fxRootTunnel (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#37) is not in mixedCase
Function IERC20Permit.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#59) is not in mixedCase
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions

Variable ForwarderRegistryContextBase._forwarderRegistry (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is too similar to ForwarderR
Registry_ (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#12)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#variable-names-are-too-similar

Create2.createClone(bytes32,address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses literals with too many digits:
        - mstore(uint256,uint256)(clone_createClone_asm_0,0x3d602d80600a3d3981f3363d3d373d3d3d363d73000000000000000000000000) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2
Create2.createClone(bytes32,address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses literals with too many digits:
        - mstore(uint256,uint256)(clone_createClone_asm_0 + 0x28,0x5af43d82803e903d91602b57fd5bf3000000000000000000000000000000000) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/C
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#too-many-digits

computedCreate2Address(bytes32,bytes32,address) should be declared external:
        - Create2.computedCreate2Address(bytes32,bytes32,address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#31-38)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#public-function-that-could-be-declared-external
```

FxERC20FixedSupplyRootTunnel.sol

```
IERC20 is re-used:
        - IERC20 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#7-70)
        - IERC20 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#9-82)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#name-reused

ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#406) is a local variable neve
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#213) is
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).selfTransferTotalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/E
nd
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#272)
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#404) is a local vari
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#497) is
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#216) is a local v
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#499) is a local v
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).selfTransferTotalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#uninitialized-local-variables

FxERC20FixedSupplyRootTunnel.constructor(address,address,address,IForwarderRegistry).checkpointManager (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupplyRootTunnel.sol#18) shadows:
        - FxBaseRootTunnel.checkpointManager (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#44) (state variable)
FxERC20FixedSupplyRootTunnel.constructor(address,address,address,IForwarderRegistry).fxRoot (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupplyRootTunnel.sol#19) shadows:
        - FxBaseRootTunnel.fxRoot (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#42) (state variable)
FxERC20FixedSupplyRootTunnel.constructor(address,address,address,IForwarderRegistry).forwarderRegistry (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupplyRootTunnel.sol#21) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
FxERC20RootTunnel.constructor(address,address,address,IForwarderRegistry).checkpointManager (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#25) shadows:
        - FxBaseRootTunnel.checkpointManager (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#44) (state variable)
FxERC20RootTunnel.constructor(address,address,address,IForwarderRegistry).fxRoot (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#26) shadows:
        - FxBaseRootTunnel.fxRoot (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#42) (state variable)
FxERC20RootTunnel.constructor(address,address,address,IForwarderRegistry).forwarderRegistry (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#28) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#local-variable-shadowing

FxBaseRootTunnel.setFxChildTunnel(address)._fxChildTunnel (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#57) lacks a zero-check on :
        - fxChildTunnel = _fxChildTunnel (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#59)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#missing-zero-address-validation

Reentrancy in FxERC20RootTunnel._sendDepositRequest(address,address,address,uint256) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#110-120):
        External calls:
        - _sendMessageToChild(message) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#118)
                - fxRoot.sendMessageToChild(fxChildTunnel,message) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#71)
        Event emitted after the call(s):
        - FxDepositERC20(rootToken,depositor,receiver,amount) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#119)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#reentrancy-vulnerabilities-3

InterfaceDetectionStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#42-47) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#44-46)
ERC2771Calldata.msgSender() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#8-12) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#9-11)
ERC20Storage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#552-557) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#554-556)
Create2.createClone(bytes32,address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#10-16)
ExitPayloadReader.copy(uint256,uint256,uint256) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#31-57) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#40-42)
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#52-56)
ExitPayloadReader.getReceipt(ExitPayloadReader.ExitPayload) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#89-113) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#102-106)
Merkle.checkMembership(bytes32,uint256,bytes32,bytes) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Merkle.sol#5-33) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Merkle.sol#20-22)
RLPReader.toRlpItem(bytes) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#52-59) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#54-56)
RLPReader.isList(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#108-119) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#113-115)
RLPReader.rlpLen(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#125-133) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#129-131)
RLPReader.payloadKeccak256(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#146-153) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#149-151)
RLPReader.toRlpBytes(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#158-169) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#163-165)
RLPReader.toBoolean(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#172-181) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#176-178)
RLPReader.toUint(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#190-208) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#198-205)
RLPReader.toUintStrict(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#211-222) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#217-219)
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RLPReader.toBytes(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#224-238) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#232-234)
RLPReader._itemLength(uint256) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#260-298) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#263-265)
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#270-276)
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#280-286)
RLPReader._payloadOffset(uint256) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#293-305) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#295-297)
RLPReader.copy(uint256,uint256,uint256) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#312-339) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#321-323)
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#334-338)
Address.verifyCallResult(bool,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#213-216)
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#54-56)
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#64-66)
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#74-76)
StorageSlot.getUint256Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#84-86)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#assembly-usage

FxBaseRootTunnel._validateAndExtractMessage(bytes) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#74-127) compares to a boolean constant:
        -require(bool,string)(processedExits[exitHash] == false,FxRootTunnel: EXIT_ALREADY_PROCESSED) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#91)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#boolean-equality

Different versions of Solidity are used:
        - Version used: ['0.8.17', '^0.8.0', '^0.8.1', '^0.8.8']
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/interfaces/IERC173.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Receiver.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Detailed.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Metadata.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#2)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#1)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Merkle.sol#2)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/MerklePatriciaProof.sol#2)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#5)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#2)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#4)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#4)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#4)
        - ^0.8.1 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#4)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4)
        - 0.8.17 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupplyRootTunnel.sol#2)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#2)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxTokenMapping.sol#2)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#different-pragma-directives-are-used

Address.functionCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#85-87) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#114-120) is never used and should be removed
Address.functionDelegateCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#174-176) is never used and should be removed
Address.functionDelegateCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193) is never used and should be removed
Address.functionStaticCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#147-149) is never used and should be removed
Address.functionStaticCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166) is never used and should be removed
Address.sendValue(address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#60-65) is never used and should be removed
Create2.createClone(bytes32,address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) is never used and should be removed
ERC20Storage._callOnERC20Received(address,address,address,uint256,bytes) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#566-574) is never used

ERC20Storage.allowance(ERC20Storage.Layout,address,address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#544-550) is never used and should
ERC20Storage.approve(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#67-76) is never used and sho
ERC20Storage.balanceOf(ERC20Storage.Layout,address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#535-537) is never used and should be remov
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#486-522) is never
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#394-427) is never used and sho
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#200-241) is never
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#255-30
ERC20Storage.burn(ERC20Storage.Layout,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#437-453) is never used and should be re
ERC20Storage.burnFrom(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#464-474) is never used and
ERC20Storage.decreaseAllowance(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#113-132) is never
ERC20Storage.increaseAllowance(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#86-103) is never u
ERC20Storage.toUint256(bytes) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#34-38) is never used and should be removed
ERC20Storage.initERC20BatchTransfers() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#41-43) is never used and should be removed
ERC20Storage.initERC20Burnable() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#56-58) is never used and should be removed
ERC20Storage.initERC20Mintable() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#51-53) is never used and should be removed
ERC20Storage.initERC20SafeTransfers() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#46-48) is never used and should be removed
ERC20Storage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#552-557) is never used and should be removed
ERC20Storage.mint(ERC20Storage.Layout,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#368-384) is never used and should be re
ERC20Storage.safeTransfer(ERC20Storage.Layout,address,address,uint256,bytes) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#318-329) is never
ERC20Storage.safeTransferFrom(ERC20Storage.Layout,address,address,address,uint256,bytes) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#345-3
ERC20Storage.totalSupply(ERC20Storage.Layout) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#527-529) is never used and should be removed
ERC20Storage.transfer(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#142-163) is never used and
ERC20Storage.transferFrom(ERC20Storage.Layout,address,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#176-187) is nev
ERC2771Calldata.msgData() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#15-19) is never used and should be removed
ExitPayloadReader.getBranchMaskAsUint(ExitPayloadReader.ExitPayload) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#123-125) is never used and should be remov
ExitPayloadReader.toRlpBytes(ExitPayloadReader.Log) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#154-156) is never used and should be removed
ForwarderRegistryContextBase._msgData() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#36-49) is never used and should be removed
InterfaceDetectionStorage.setSupportedInterface(InterfaceDetectionStorage.Layout,bytes4,bool) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetect
ProxyInitialization.setPhase(uint256,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#142-161) is never used and should be removed
RLPReader.hasNext(RLPReader.Iterator) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#44-47) is never used and should be removed
RLPReader.iterator(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#66-71) is never used and should be removed
RLPReader.next(RLPReader.Iterator) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#29-37) is never used and should be removed
RLPReader.payloadKeccak256(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#146-153) is never used and should be removed
RLPReader.payloadLen(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#83-85) is never used and should be removed
RLPReader.payloadLocation(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#135-140) is never used and should be removed
RLPReader.rlpBytesKeccak256(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#125-133) is never used and should be removed
RLPReader.rlpLen(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#76-78) is never used and should be removed
RLPReader.toBoolean(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#172-181) is never used and should be removed
SafeERC20.safeApprove(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#46-59) is never used and should be removed
SafeERC20.safeDecreaseAllowance(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#70-81) is never used and should be removed
SafeERC20.safeIncreaseAllowance(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#61-68) is never used and should be removed
SafeERC20.safePermit(IERC20Permit,address,address,uint256,uint256,uint8,bytes32,bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#83-97) is never used and s
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) is never used and should be removed
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) is never used and should be removed
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) is never used and should be removed
StorageSlot.getUint256Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) is never used and should be removed
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dead-code

Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/interfaces/IERC173.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bu
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/la
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/la
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2) is known to contain severe issues (https://solidity.rea
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/b
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/la
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Receiver.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bu
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lates
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2) is known to contain severe issues (https://solidity.readthedocs.io
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2) is known to contain severe issues (https://solidity.readthedo
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Detailed.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Metadata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#2) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#1) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Merkle.sol#2) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/MerklePatriciaProof.sol#2) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#5) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#2) allows old versions
```

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Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#4) allows old versions
Pragma version^0.8.1 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4) allows old versions
Pragma version0.8.17 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupplyRootTunnel.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.7
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxTokenMapping.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
solc-0.8.17 is not recommended for deployment
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity

Low level call in Address.sendValue(address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#60-65):
        - (success) = recipient.call{value: amount}() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#63)
Low level call in Address.functionCallWithValue(address,bytes,uint256,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#128-139):
        - (success,returndata) = target.call{value: value}(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#137)
Low level call in Address.functionStaticCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166):
        - (success,returndata) = target.staticcall(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#164)
Low level call in Address.functionDelegateCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193):
        - (success,returndata) = target.delegatecall(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#191)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#low-level-calls

Variable ForwarderRegistryContextBase._forwarderRegistry (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is not in mixedCase
Parameter Create2.createClone(bytes32,address)._salt (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7) is not in mixedCase
Parameter Create2.createClone(bytes32,address)._target (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7) is not in mixedCase
Parameter FxBaseRootTunnel.setFxChildTunnel(address)._fxChildTunnel (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#57) is not in mixedCase
Function IERC20Permit.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#59) is not in mixedCase
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions

Variable ForwarderRegistryContextBase._forwarderRegistry (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is too similar to ForwarderR
Registry_ (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#12)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#variable-names-are-too-similar

Create2.createClone(bytes32,address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses literals with too many digits:
        - mstore(uint256,uint256)(clone_createClone_asm_0,0x3d602d80600a3d3981f3363d3d373d3d3d363d73000000000000000000000000) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2
Create2.createClone(bytes32,address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses literals with too many digits:
        - mstore(uint256,uint256)(clone_createClone_asm_0 + 0x28,0x5af43d82803e903d91602b57fd5bf3000000000000000000000000000000000) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/C
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#too-many-digits

setFxChildTunnel(address) should be declared external:
        - FxBaseRootTunnel.setFxChildTunnel(address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#57-60)
receiveMessage(bytes) should be declared external:
        - FxBaseRootTunnel.receiveMessage(bytes) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#166-169)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#public-function-that-could-be-declared-external
```

FxERC20MintBurn.sol

```
IERC20Permit is re-used:
        - IERC20Permit (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#8-56)
        - IERC20Permit (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#14-60)
IERC20 is re-used:
        - IERC20 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#7-70)
        - IERC20 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#9-82)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#name-reused

FxERC20MintBurn (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurn.sol#14-40) has incorrect ERC721 function interface:ERC20SafeTransfersBase.safeTransferFrom(address,address,uint256,bytes
ereum-contracts/contracts/token/ERC20/base/ERC20SafeTransfersBase.sol#25-33)
FxERC20MintBurn (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurn.sol#14-40) has incorrect ERC721 function interface:IERC20SafeTransfers.safeTransferFrom(address,address,uint256,bytes) (
um-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#35-40)
FxERC20MintBurn (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurn.sol#14-40) has incorrect ERC721 function interface:ERC20Base.approve(address,uint256) (../../HALBORN/animocaBridge/node_
0/base/ERC20Base.sol#16-19)
FxERC20MintBurn (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurn.sol#14-40) has incorrect ERC721 function interface:ERC20Base.transferFrom(address,address,uint256) (../../HALBORN/animoc
ts/token/ERC20/base/ERC20Base.sol#28-35)
FxERC20MintBurn (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurn.sol#14-40) has incorrect ERC721 function interface:IERC20.approve(address,uint256) (../../HALBORN/animocaBridge/node_mod
nterfaces/IERC20.sol#29)
FxERC20MintBurn (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurn.sol#14-40) has incorrect ERC721 function interface:IERC20.transferFrom(address,address,uint256) (../../HALBORN/animocaBr
token/ERC20/interfaces/IERC20.sol#50-54)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-erc721-interface

ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#404) is a local vari
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#213) is
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#499) is a local v
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#497) is
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#406) is a local variable neve
Bytes32.toASCIIString(bytes32).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/utils/libraries/Bytes32.sol#37) is a local variable never initialized
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#272)
TokenRecoveryBase.recoverETH(address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#34) is a local variable never initialized
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).selfTransferTotalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/E
ed
TokenRecoveryBase.recoverERC20s(address[],IERC20[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#58) is a local variable never init
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).selfTransferTotalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.
TokenRecoveryBase.recoverERC721s(address[],IERC721[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#82) is a local variable never in
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#216) is a local v
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#uninitialized-local-variables

FxERC20.constructor(IForwarderRegistry).forwarderRegistry (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20.sol#44) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
FxERC20MintBurn.constructor(IForwarderRegistry).forwarderRegistry (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurn.sol#15) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#local-variable-shadowing

TokenRecoveryBase.recoverERC721s(address[],IERC721[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#73-86) has external calls inside a
i],tokenIds[i]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#83)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#calls-inside-a-loop

ERC20PermitStorage.permit(ERC20PermitStorage.Layout,address,address,uint256,uint256,uint8,bytes32,bytes32) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20
        Dangerous comparisons:
        - require(bool,string)(block.timestamp <= deadline,ERC20: expired permit) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#52)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#block-timestamp

AccessControlStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/AccessControlStorage.sol#96-101) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/AccessControlStorage.sol#98-100)
ContractOwnershipStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#76-81) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#78-80)
InterfaceDetectionStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#42-47) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#44-46)
ERC2771Calldata.msgSender() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#8-12) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#9-11)
ERC20DetailedStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#81-86) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#83-85)
ERC20MetadataStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#35-40) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#37-39)
ERC20PermitStorage.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#87-102) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#89-91)
ERC20PermitStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#104-109) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#106-108)
ERC20Storage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#552-557) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#554-556)
Address.verifyCallResult(bool,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#213-216)
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) uses assembly
```

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      - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#54-56)
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) uses assembly
      - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#64-66)
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) uses assembly
      - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#74-76)
StorageSlot.getUint256Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) uses assembly
      - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#84-86)
FxERC20Storage.layout() (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/libraries/FxERC20Storage.sol#41-46) uses assembly
      - INLINE ASM (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/libraries/FxERC20Storage.sol#43-45)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#assembly-usage

Different versions of Solidity are used:
      - Version used: ['0.8.17', '^0.8.0', '^0.8.1', '^0.8.8']
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/AccessControlBase.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/interfaces/IERC173.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/AccessControlStorage.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20Base.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20BatchTransfersBase.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20BurnableBase.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20DetailedBase.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20MetadataBase.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20MintableBase.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20PermitBase.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20SafeTransfersBase.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Detailed.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Metadata.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC721/interfaces/IERC721.sol#2)
      - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/utils/libraries/Bytes32.sol#2)
      - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/interfaces/IERC20.sol#4)
      - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#4)
      - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#4)
      - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#4)
      - ^0.8.1 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#4)
      - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Context.sol#4)
      - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4)
      - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20.sol#2)
      - 0.8.17 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurn.sol#2)
      - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20.sol#2)
      - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20MintBurn.sol#2)
      - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/libraries/FxERC20Storage.sol#2)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#different-pragma-directives-are-used

Address.functionCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#85-87) is never used and should be removed
Address.functionCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#95-101) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#114-120) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#128-139) is never used and should be removed
Address.functionDelegateCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#174-176) is never used and should be removed
Address.functionDelegateCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193) is never used and should be removed
Address.functionStaticCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#147-149) is never used and should be removed
Address.functionStaticCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166) is never used and should be removed
Address.verifyCallResult(bool,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) is never used and should be removed
Bytes32.toBase32String(bytes32) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/utils/libraries/Bytes32.sol#8-22) is never used and should be removed
Context._msgData() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Context.sol#21-23) is never used and should be removed
Context._msgSender() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Context.sol#17-19) is never used and should be removed
ERC20DetailedStorage.constructorInit(ERC20DetailedStorage.Layout,string,string,uint8) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#
ERC2771Calldata.msgData() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#15-19) is never used and should be removed
ForwarderRegistryContextBase._msgData() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#36-49) is never used and should be removed
FxERC20._msgData() (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20.sol#87-89) is never used and should be removed
FxERC20MintBurn._msgData() (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurn.sol#37-39) is never used and should be removed
SafeERC20._callOptionalReturn(IERC20,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#105-115) is never used and should be removed
SafeERC20.safeApprove(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#46-59) is never used and should be removed
SafeERC20.safeDecreaseAllowance(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#70-81) is never used and should be removed
SafeERC20.safeIncreaseAllowance(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#61-68) is never used and should be removed
SafeERC20.safePermit(IERC20Permit,address,address,uint256,uint256,uint8,bytes32,bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#83-97) is never used and sh
SafeERC20.safeTransfer(IERC20,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#22-28) is never used and should be removed
SafeERC20.safeTransferFrom(IERC20,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#30-37) is never used and should be removed
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) is never used and should be removed
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) is never used and should be removed
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) is never used and should be removed
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dead-code

Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/AccessControlBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/la
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/interfaces/IERC173.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bu
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/AccessControlStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/libraries/ContractOwnershipStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/la
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/la
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2) is known to contain severe issues (https://solidity.rea
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bu
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/la
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/security/base/TokenRecoveryBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20Base.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/b
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20BatchTransfersBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20BurnableBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20DetailedBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20MetadataBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20MintableBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20PermitBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/la
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20SafeTransfersBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Detailed.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Metadata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20DetailedStorage.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20MetadataStorage.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs.
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC721/interfaces/IERC721.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/utils/libraries/Bytes32.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/interfaces/IERC20.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#4) allows old versions
Pragma version^0.8.1 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Context.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4) allows old versions
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version0.8.17 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurn.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.7
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20MintBurn.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/libraries/FxERC20Storage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
solc-0.8.17 is not recommended for deployment
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity

Low level call in Address.sendValue(address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#60-65):
```

```
        - (success) = recipient.call{value: amount}() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#63)
Low level call in Address.functionCallWithValue(address,bytes,uint256,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#128-139):
        - (success,returndata) = target.call{value: value}(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#137)
Low level call in Address.functionStaticCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166):
        - (success,returndata) = target.staticcall(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#164)
Low level call in Address.functionDelegateCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193):
        - (success,returndata) = target.delegatecall(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#191)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#low-level-calls

Variable ForwarderRegistryContextBase._forwarderRegistry (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is not in mixedCase
Function ERC20PermitBase.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20PermitBase.sol#35-37) is not in mixedCase
Function IERC20Permit.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Permit.sol#55) is not in mixedCase
Function ERC20PermitStorage.DOMAIN_SEPARATOR() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20PermitStorage.sol#87-102) is not in mixedCase
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions

Variable ForwarderRegistryContextBase._forwarderRegistry (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is too similar to ForwarderR
Registry_ (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#12)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#variable-names-are-too-similar

owner() should be declared external:
        - ContractOwnershipBase.owner() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#16-18)
transferOwnership(address) should be declared external:
        - ContractOwnershipBase.transferOwnership(address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/base/ContractOwnershipBase.sol#21-23)
allowance(address,address) should be declared external:
        - ERC20Base.allowance(address,address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/base/ERC20Base.sol#60-62)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#public-function-that-could-be-declared-external
```

FxERC20MintBurnChildTunnel.sol

```
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#213) is
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).selfTransferTotalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/E
ed
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#404) is a local vari
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#406) is a local variable neve
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#272)
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#216) is a local v
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#499) is a local v
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#497) is
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).selfTransferTotalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#uninitialized-local-variables

FxERC20MintBurnChildTunnel._withdraw(address,uint256) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurnChildTunnel.sol#50-52) ignores return value by IERC20Burnable(childToken).burn(amou
tal/ERC20/FxERC20MintBurnChildTunnel.sol#51)
FxERC20MintBurnChildTunnel._withdrawFrom(address,address,uint256) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurnChildTunnel.sol#54-60) ignores return value by IERC20Burnable(childToke
mocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurnChildTunnel.sol#59)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#unused-return

FxERC20ChildTunnel.constructor(address,address,IForwarderRegistry).fxChild (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#33) shadows:
        - FxBaseChildTunnel.fxChild (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#21) (state variable)
FxERC20ChildTunnel.constructor(address,address,IForwarderRegistry).forwarderRegistry (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#35) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
FxERC20MintBurnChildTunnel.constructor(address,address,IForwarderRegistry).fxChild (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurnChildTunnel.sol#16) shadows:
        - FxBaseChildTunnel.fxChild (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#21) (state variable)
FxERC20MintBurnChildTunnel.constructor(address,address,IForwarderRegistry).childTokenLogic (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurnChildTunnel.sol#17) shadows:
        - FxERC20ChildTunnel.childTokenLogic (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#23) (state variable)
FxERC20MintBurnChildTunnel.constructor(address,address,IForwarderRegistry).forwarderRegistry (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurnChildTunnel.sol#18) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#local-variable-shadowing

FxBaseChildTunnel.setFxRootTunnel(address)._fxRootTunnel (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#37) lacks a zero-check on :
        - fxRootTunnel = _fxRootTunnel (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#39)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#missing-zero-address-validation

Reentrancy in FxERC20ChildTunnel._withdraw(address,address,uint256) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#102-110):
        External calls:
        - rootToken = _getMappedRootToken(childToken) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#107)
                - rootToken = IFxERC20(childToken).connectedToken() (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#124)
        Event emitted after the call(s):
        - MessageSent(message) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#61)
                - _sendMessageToRoot(abi.encode(rootToken,childToken,receiver,amount)) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#109)
Reentrancy in FxERC20ChildTunnel._withdrawFrom(address,address,address,uint256) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#112-121):
        External calls:
        - rootToken = _getMappedRootToken(childToken) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#118)
                - rootToken = IFxERC20(childToken).connectedToken() (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#124)
        Event emitted after the call(s):
        - MessageSent(message) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#61)
                - _sendMessageToRoot(abi.encode(rootToken,childToken,receiver,amount)) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#120)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#reentrancy-vulnerabilities-3

InterfaceDetectionStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#42-47) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#44-46)
ERC2771Calldata.msgSender() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#8-12) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#9-11)
ERC20Storage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#552-557) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#554-556)
Create2.createClone(bytes32,address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#10-16)
Address.verifyCallResult(bool,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#213-216)
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#54-56)
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#64-66)
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#74-76)
StorageSlot.getUint256Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#84-86)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#assembly-usage

Different versions of Solidity are used:
        - Version used: ['0.8.17', '^0.8.0', '^0.8.1', '^0.8.8']
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2)
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        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Receiver.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#2)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#2)
        - ^0.8.1 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#6)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#2)
        - 0.8.17 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurnChildTunnel.sol#2)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxTokenMapping.sol#2)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20.sol#2)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20MintBurn.sol#2)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#different-pragma-directives-are-used

Address.functionCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#85-87) is never used and should be removed
Address.functionCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#95-101) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#114-120) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#128-139) is never used and should be removed
Address.functionDelegateCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#174-176) is never used and should be removed
Address.functionDelegateCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193) is never used and should be removed
Address.functionStaticCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#147-149) is never used and should be removed
Address.functionStaticCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166) is never used and should be removed
Address.sendValue(address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#60-65) is never used and should be removed
Address.verifyCallResult(bool,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) is never used and should be removed
Create2.minimalProxyCreationCode(address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#22-28) is never used and should be removed
ERC20Storage._callOnERC20Received(address,address,address,uint256,bytes) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#566-574) is never used
ERC20Storage.allowance(ERC20Storage.Layout,address,address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#544-550) is never used and should b
ERC20Storage.approve(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#67-76) is never used and shou
ERC20Storage.balanceOf(ERC20Storage.Layout,address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#535-537) is never used and should be remove
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#486-522) is never u
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#394-427) is never used and shou
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#200-241) is never u
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#255-303
ERC20Storage.burn(ERC20Storage.Layout,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#437-453) is never used and should be rem
ERC20Storage.burnFrom(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#464-476) is never used and s
ERC20Storage.decreaseAllowance(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#113-132) is never u
ERC20Storage.increaseAllowance(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#86-103) is never us
ERC20Storage.init() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#34-38) is never used and should be removed
ERC20Storage.initERC20BatchTransfers() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#41-43) is never used and should be removed
ERC20Storage.initERC20Burnable() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#56-58) is never used and should be removed
ERC20Storage.initERC20Mintable() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#51-53) is never used and should be removed
ERC20Storage.initERC20SafeTransfers() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#46-48) is never used and should be removed
ERC20Storage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#552-557) is never used and should be removed
ERC20Storage.mint(ERC20Storage.Layout,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#368-384) is never used and should be rem
ERC20Storage.safeTransfer(ERC20Storage.Layout,address,address,uint256,bytes) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#318-329) is never
ERC20Storage.safeTransferFrom(ERC20Storage.Layout,address,address,address,uint256,bytes) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#345-35
ERC20Storage.totalSupply(ERC20Storage.Layout) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#527-529) is never used and should be removed
ERC20Storage.transfer(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#142-163) is never used and s
ERC20Storage.transferFrom(ERC20Storage.Layout,address,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#176-187) is neve
ERC2771Calldata.msgData() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#15-19) is never used and should be removed
ForwarderRegistryContextBase._msgData() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#36-49) is never used and should be removed
InterfaceDetectionStorage.setSupportedInterface(InterfaceDetectionStorage.Layout,bytes4,bool) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetecti
ProxyInitialization.setPhase(bytes32,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#12-16) is never used and should be removed
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) is never used and should be removed
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) is never used and should be removed
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) is never used and should be removed
StorageSlot.getUint256Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) is never used and should be removed
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dead-code

Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2) is known to contain severe issues (https://solidity.read
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bu
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/la
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Receiver.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bu
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2) is known to contain severe issues (https://solidity.readthedocs.io
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#2) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#2) allows old versions
Pragma version^0.8.1 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4) allows old versions
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version0.8.17 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurnChildTunnel.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.7
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxTokenMapping.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20MintBurn.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
solc-0.8.17 is not recommended for deployment
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity

Low level call in Address.sendValue(address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#60-65):
        - (success) = recipient.call{value: amount}() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#63)
Low level call in Address.functionCallWithValue(address,bytes,uint256,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#128-139):
        - (success,returndata) = target.call{value: value}(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#137)
Low level call in Address.functionStaticCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166):
        - (success,returndata) = target.staticcall(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#164)
Low level call in Address.functionDelegateCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193):
        - (success,returndata) = target.delegatecall(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#191)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#low-level-calls

Variable ForwarderRegistryContextBase._forwarderRegistry (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is not in mixedCase
Parameter Create2.createClone(bytes32,address)._salt (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7) is not in mixedCase
Parameter Create2.createClone(bytes32,address)._target (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7) is not in mixedCase
Parameter FxBaseChildTunnel.setFxRootTunnel(address)._fxRootTunnel (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#37) is not in mixedCase
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions

Variable ForwarderRegistryContextBase._forwarderRegistry (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is too similar to ForwarderR
Registry_ (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#12)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#variable-names-are-too-similar

Create2.createClone(bytes32,address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses literals with too many digits:
        - mstore(uint256,uint256)(clone_createClone_asm_0,0x3d602d80600a3d3981f3363d3d373d3d3d363d73000000000000000000000000) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2
Create2.createClone(bytes32,address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses literals with too many digits:
        - mstore(uint256,uint256)(clone_createClone_asm_0 + 0x28,0x5af43d82803e903d91602b57fd5bf3000000000000000000000000000000000000) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#too-many-digits

computedCreate2Address(bytes32,bytes32,address) should be declared external:
        - Create2.computedCreate2Address(bytes32,bytes32,address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#31-38)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#public-function-that-could-be-declared-external
```

AUTOMATED TESTING

FxERC20FixedSupplyChildTunnel.sol

```
IERC20 is re-used:
        - IERC20 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#7-70)
        - IERC20 (animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#9-82)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#name-reused

ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).totalValue (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#269) is a
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).totalValue (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#404) is a local variable never ini
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).totalValue (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#497) is a local variat
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).selfTransferTotalValue (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#214) is a
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).i (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#406) is a local variable never initialized
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).i (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#499) is a local variable never
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).i (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#272) is a local va
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).i (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#216) is a local variable never
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).selfTransferTotalValue (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.so
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).totalValue (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#213) is a local variat
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#uninitialized-local-variables

FxERC20ChildTunnel.constructor(address,address,IForwarderRegistry).fxChild (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#33) shadows:
        - FxBaseChildTunnel.fxChild (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#21) (state variable)
FxERC20ChildTunnel.constructor(address,address,IForwarderRegistry).forwarderRegistry (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#35) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
FxERC20FixedSupplyChildTunnel.constructor(address,address,IForwarderRegistry).fxChild (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupplyChildTunnel.sol#17) shadows:
        - FxBaseChildTunnel.fxChild (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#21) (state variable)
FxERC20FixedSupplyChildTunnel.constructor(address,address,IForwarderRegistry).childTokenLogic (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupplyChildTunnel.sol#18) shadows:
        - FxERC20ChildTunnel.childTokenLogic (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#23) (state variable)
FxERC20FixedSupplyChildTunnel.constructor(address,address,IForwarderRegistry).forwarderRegistry (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupplyChildTunnel.sol#19) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#local-variable-shadowing

FxBaseChildTunnel.setFxRootTunnel(address)._fxRootTunnel (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#37) lacks a zero-check on :
        - fxRootTunnel = _fxRootTunnel (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#39)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#missing-zero-address-validation

Reentrancy in FxERC20ChildTunnel._withdraw(address,address,uint256) (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#102-110):
        External calls:
        - rootToken = _getMappedRootToken(childToken) (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#107)
                - rootToken = IFxERC20(childToken).connectedToken() (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#124)
        Event emitted after the call(s):
        - MessageSent(message) (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#61)
                - _sendMessageToRoot(abi.encode(rootToken,childToken,receiver,amount)) (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#109)
Reentrancy in FxERC20ChildTunnel._withdrawFrom(address,address,address,uint256) (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#112-121):
        External calls:
        - rootToken = _getMappedRootToken(childToken) (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#118)
                - rootToken = IFxERC20(childToken).connectedToken() (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#124)
        Event emitted after the call(s):
        - MessageSent(message) (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#61)
                - _sendMessageToRoot(abi.encode(rootToken,childToken,receiver,amount)) (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#120)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#reentrancy-vulnerabilities-3

InterfaceDetectionStorage.layout() (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#42-47) uses assembly
        - INLINE ASM (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#44-46)
ERC2771Calldata.msgSender() (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#8-12) uses assembly
        - INLINE ASM (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#9-11)
ERC20Storage.layout() (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#552-557) uses assembly
        - INLINE ASM (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#554-556)
Create2.crossClone(bytes32,address) (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses assembly
        - INLINE ASM (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#10-16)
Address.verifyCallResult(bool,bytes,string) (animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) uses assembly
        - INLINE ASM (animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#213-216)
StorageSlot.getAddressSlot(bytes32) (animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) uses assembly
        - INLINE ASM (animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#54-56)
StorageSlot.getBooleanSlot(bytes32) (animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) uses assembly
        - INLINE ASM (animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#64-66)
StorageSlot.getBytes32Slot(bytes32) (animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) uses assembly
        - INLINE ASM (animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#74-76)
StorageSlot.getUint256Slot(bytes32) (animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) uses assembly
        - INLINE ASM (animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#84-86)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#assembly-usage

Different versions of Solidity are used:
        - Version used: ['0.8.17', '^0.8.0', '^0.8.1', '^0.8.8']
        - ^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2)
        - ^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2)
        - ^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2)
        - ^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2)
        - ^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2)
        - ^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2)
        - ^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2)
        - ^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2)
        - ^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2)
        - ^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Receiver.sol#2)
        - ^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2)
        - ^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2)
        - ^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2)
        - ^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2)
        - ^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2)
        - ^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2)
        - ^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2)
        - ^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2)
        - ^0.8.0 (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#2)
        - ^0.8.0 (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#2)
        - ^0.8.0 (animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#4)
        - ^0.8.0 (animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#4)
        - ^0.8.0 (animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#4)
        - ^0.8.1 (animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#4)
        - ^0.8.0 (animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4)
        - ^0.8.8 (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#2)
        - 0.8.17 (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupplyChildTunnel.sol#2)
        - ^0.8.8 (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxTokenMapping.sol#2)
        - ^0.8.8 (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20.sol#2)
        - ^0.8.8 (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20FixedSupply.sol#2)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#different-pragma-directives-are-used

Address.functionCall(address,bytes) (animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#85-87) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256) (animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#114-120) is never used and should be removed
Address.functionDelegateCall(address,bytes) (animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#174-176) is never used and should be removed
Address.functionDelegateCall(address,bytes,string) (animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193) is never used and should be removed
Address.functionStaticCall(address,bytes) (animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#147-149) is never used and should be removed
Address.functionStaticCall(address,bytes,string) (animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166) is never used and should be removed
Address.sendValue(address,uint256) (animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#60-65) is never used and should be removed
Create2.minimalProxyCreationCode(address) (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#22-28) is never used and should be removed
ERC20Storage._callOnERC20Received(address,address,address,uint256,bytes) (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#566-574) is never used and should be
ERC20Storage.allowance(ERC20Storage.Layout,address,address) (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#544-550) is never used and should be removed
ERC20Storage.approve(ERC20Storage.Layout,address,address,uint256) (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#67-76) is never used and should be removed
ERC20Storage.balanceOf(ERC20Storage.Layout,address) (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#535-537) is never used and should be removed
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]) (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#486-522) is never used and should
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]) (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#394-427) is never used and should be removed
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]) (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#200-241) is never used and should
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]) (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#255-303) is never use
ERC20Storage.burn(ERC20Storage.Layout,address,uint256) (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#437-453) is never used and should be removed
ERC20Storage.burnFrom(ERC20Storage.Layout,address,address,uint256) (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#464-474) is never used and should be remov
ERC20Storage.decreaseAllowance(ERC20Storage.Layout,address,address,uint256) (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#113-132) is never used and should
ERC20Storage.increaseAllowance(ERC20Storage.Layout,address,address,uint256) (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#86-103) is never used and should
ERC20Storage.init() (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#34-38) is never used and should be removed
ERC20Storage.initERC20BatchTransfers() (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#41-43) is never used and should be removed
ERC20Storage.initERC20Burnable() (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#56-58) is never used and should be removed
ERC20Storage.initERC20Mintable() (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#51-53) is never used and should be removed
ERC20Storage.initERC20SafeTransfers() (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#46-48) is never used and should be removed
ERC20Storage.layout() (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#552-557) is never used and should be removed
ERC20Storage.mint(ERC20Storage.Layout,address,uint256) (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#368-384) is never used and should be removed
ERC20Storage.safeTransfer(ERC20Storage.Layout,address,address,uint256,bytes) (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#318-329) is never used and shoul
ERC20Storage.safeTransferFrom(ERC20Storage.Layout,address,address,address,uint256,bytes) (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#345-357) is never us
ERC20Storage.totalSupply(ERC20Storage.Layout) (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#527-529) is never used and should be removed
ERC20Storage.transfer(ERC20Storage.Layout,address,address,uint256) (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#142-163) is never used and should be remov
ERC20Storage.transferFrom(ERC20Storage.Layout,address,address,address,uint256) (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#176-187) is never used and sho
ERC2771Calldata.msgData() (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#15-19) is never used and should be removed
ForwarderRegistryContextBase._msgData() (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#36-49) is never used and should be removed
InterfaceDetectionStorage.setSupportedInterface(InterfaceDetectionStorage.Layout,bytes4,bool) (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#
ProxyInitialization.setPhase(bytes32,uint256) (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#22-26) is never used and should be removed
SafeERC20.safeApprove(IERC20,address,uint256) (animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#46-59) is never used and should be removed
SafeERC20.safeDecreaseAllowance(IERC20,address,uint256) (animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#70-81) is never used and should be removed
SafeERC20.safeIncreaseAllowance(IERC20,address,uint256) (animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#61-68) is never used and should be removed
SafeERC20.safePermit(IERC20Permit,address,address,uint256,uint256,uint8,bytes32,bytes32) (animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#83-97) is never used and should be remove
StorageSlot.getAddressSlot(bytes32) (animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) is never used and should be removed
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StorageSlot.getBooleanSlot(bytes32) (animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) is never used and should be removed
StorageSlot.getBytes32Slot(bytes32) (animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) is never used and should be removed
StorageSlot.getUint256Slot(bytes32) (animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) is never used and should be removed
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dead-code

Pragma version^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bu
Pragma version^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.h
Pragma version^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.ht
Pragma version^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Receiver.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs
Pragma version^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest
Pragma version^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.
Pragma version^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.
Pragma version^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.
Pragma version^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/
Pragma version^0.8.8 (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.ht
Pragma version^0.8.8 (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#2) allows old versions
Pragma version^0.8.0 (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#2) allows old versions
Pragma version^0.8.0 (animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#4) allows old versions
Pragma version^0.8.0 (animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#4) allows old versions
Pragma version^0.8.0 (animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/utils/SafeERC20.sol#4) allows old versions
Pragma version^0.8.1 (animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#4) allows old versions
Pragma version^0.8.0 (animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4) allows old versions
Pragma version^0.8.8 (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.17 (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20FixedSupplyChildTunnel.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.7
Pragma version^0.8.8 (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxTokenMapping.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/interfaces/IFxERC20FixedSupply.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
solc-0.8.17 is not recommended for deployment
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity

Low level call in Address.sendValue(address,uint256) (animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#60-65):
        - (success) = recipient.call{value: amount}() (animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#63)
Low level call in Address.functionCallWithValue(address,bytes,uint256,string) (animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#128-139):
        - (success,returndata) = target.call{value: value}(data) (animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#137)
Low level call in Address.functionStaticCall(address,bytes,string) (animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166):
        - (success,returndata) = target.staticcall(data) (animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#164)
Low level call in Address.functionDelegateCall(address,bytes,string) (animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193):
        - (success,returndata) = target.delegatecall(data) (animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#191)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#low-level-calls

Variable ForwarderRegistryContextBase._forwarderRegistry (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is not in mixedCase
Parameter Create2.createClone(bytes32,address)._salt (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7) is not in mixedCase
Parameter Create2.createClone(bytes32,address)._target (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7) is not in mixedCase
Parameter FxBaseChildTunnel.setFxRootTunnel(address)._fxRootTunnel (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseChildTunnel.sol#37) is not in mixedCase
Function IERC20Permit.DOMAIN_SEPARATOR() (animocaBridge/node_modules/@openzeppelin/contracts/token/ERC20/extensions/draft-IERC20Permit.sol#59) is not in mixedCase
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions

Variable ForwarderRegistryContextBase._forwarderRegistry (animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is too similar to ForwarderRegistryContext
mocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#12)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#variable-names-are-too-similar

Create2.createClone(bytes32,address) (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses literals with too many digits:
        - mstore(uint256,uint256)(clone_createClone_asm_0,0x3d602d80600a3d3981f3363d3d373d3d3d363d73000000000000000000000000) (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#12)
Create2.createClone(bytes32,address) (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses literals with too many digits:
        - mstore(uint256,uint256)(clone_createClone_asm_0 + 0x28,0x5af43d82803e903d91602b57fd5bf3000000000000000000000000000000000000000000) (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#14)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#too-many-digits

computedCreate2Address(bytes32,bytes32,address) should be declared external:
        - Create2.computedCreate2Address(bytes32,bytes32,address) (animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#31-38)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#public-function-that-could-be-declared-external
```

FxERC20MintBurnRootTunnel.sol

```
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).i (../../pro/HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#216) is a local v
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#406) is a local variable neve
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#499) is a local v
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#272)
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#213) is
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).selfTransferTotalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/E
ed
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#404) is a local var
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#497) is
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).selfTransferTotalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#uninitialized-local-variables

FxERC20MintBurnRootTunnel._deposit(address,uint256) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurnRootTunnel.sol#35-37) ignores return value by IERC20Burnable(rootToken).burn(amount)
ERC20/FxERC20MintBurnRootTunnel.sol#36)
FxERC20MintBurnRootTunnel._depositFrom(address,address,uint256) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurnRootTunnel.sol#39-45) ignores return value by IERC20Burnable(rootToken).b
ridge/contracts/fx-portal/ERC20/FxERC20MintBurnRootTunnel.sol#44)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#unused-return

FxERC20MintBurnRootTunnel.constructor(address,address,address,IForwarderRegistry).checkpointManager (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurnRootTunnel.sol#17) shadows:
        - FxBaseRootTunnel.checkpointManager (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#44) (state variable)
FxERC20MintBurnRootTunnel.constructor(address,address,address,IForwarderRegistry).fxRoot (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurnRootTunnel.sol#18) shadows:
        - FxBaseRootTunnel.fxRoot (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#42) (state variable)
FxERC20MintBurnRootTunnel.constructor(address,address,address,IForwarderRegistry).forwarderRegistry (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurnRootTunnel.sol#20) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
FxERC20RootTunnel.constructor(address,address,address,IForwarderRegistry).checkpointManager (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#25) shadows:
        - FxBaseRootTunnel.checkpointManager (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#44) (state variable)
FxERC20RootTunnel.constructor(address,address,address,IForwarderRegistry).fxRoot (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#26) shadows:
        - FxBaseRootTunnel.fxRoot (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#42) (state variable)
FxERC20RootTunnel.constructor(address,address,address,IForwarderRegistry).forwarderRegistry (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#28) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#local-variable-shadowing

FxBaseRootTunnel.setFxChildTunnel(address)._fxChildTunnel (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#57) lacks a zero-check on :
        - fxChildTunnel = _fxChildTunnel (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#59)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#missing-zero-address-validation

Reentrancy in FxERC20RootTunnel._sendDepositRequest(address,address,address,uint256) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#110-120):
        External calls:
        - _sendMessageToChild(message) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#118)
                - fxRoot.sendMessageToChild(fxChildTunnel,message) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#71)
        Event emitted after the call(s):
        - FxDepositERC20(rootToken,depositor,receiver,amount) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#119)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#reentrancy-vulnerabilities-3

InterfaceDetectionStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#42-47) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#44-46)
ERC2771Calldata.msgSender() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#8-12) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#9-11)
ERC20Storage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#552-557) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#554-556)
Create2.createClone(bytes32,address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#10-16)
ExitPayloadReader.copy(uint256,uint256,uint256) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#31-57) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#40-42)
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#52-56)
ExitPayloadReader.getReceipt(ExitPayloadReader.ExitPayload) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#89-113) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#102-105)
Merkle.checkMembership(bytes32,uint256,bytes32,bytes) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Merkle.sol#5-33) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Merkle.sol#20-22)
RLPReader.toRlpItem(bytes) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#52-59) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#54-56)
RLPReader.isList(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#108-119) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#113-115)
RLPReader.rlpBytesKeccak256(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#125-133) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#129-131)
RLPReader.payloadKeccak256(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#146-153) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#149-151)
RLPReader.toRlpBytes(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#158-169) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#163-165)
RLPReader.toBoolean(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#172-181) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#176-178)
RLPReader.toUint(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#190-208) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#198-205)
RLPReader.toUintStrict(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#211-222) uses assembly
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        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#217-219)
RLPReader.toBytes(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#224-238) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#232-234)
RLPReader._itemLength(uint256) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#260-298) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#263-265)
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#270-276)
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#280-286)
RLPReader._payloadOffset(uint256) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#293-305) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#295-297)
RLPReader.copy(uint256,uint256,uint256) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#312-339) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#321-323)
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#334-338)
Address.verifyCallResult(bool,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#213-216)
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#54-56)
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#64-66)
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#74-76)
StorageSlot.getUint256Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#84-86)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#assembly-usage

FxBaseRootTunnel._validateAndExtractMessage(bytes) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#74-127) compares to a boolean constant:
        -require(bool,string)(processedExits[exitHash] == false,FxRootTunnel: EXIT_ALREADY_PROCESSED) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#91)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#boolean-equality

Different versions of Solidity are used:
        - Version used: ['0.8.17', '^0.8.0', '^0.8.1', '^0.8.8']
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/interfaces/IERC173.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Receiver.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Detailed.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Metadata.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#2)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#1)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Merkle.sol#2)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/MerklePatriciaProof.sol#2)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#5)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#2)
        - ^0.8.1 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#4)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4)
        - 0.8.17 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurnRootTunnel.sol#2)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#2)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxTokenMapping.sol#2)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#different-pragma-directives-are-used

Address.functionCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#85-87) is never used and should be removed
Address.functionCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#95-101) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#114-120) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#128-139) is never used and should be removed
Address.functionDelegateCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#174-176) is never used and should be removed
Address.functionDelegateCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193) is never used and should be removed
Address.functionStaticCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#147-149) is never used and should be removed
Address.functionStaticCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166) is never used and should be removed
Address.isContract(address) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#34-42) is never used and should be removed
Address.sendValue(address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#60-65) is never used and should be removed
Address.verifyCallResult(bool,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) is never used and should be removed
Create2.createClone(bytes32,address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) is never used and should be removed

ERC20Storage._callOnERC20Received(address,address,address,uint256,bytes) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#566-574) is never used
ERC20Storage.allowance(ERC20Storage.Layout,address,address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#544-550) is never used and should b
ERC20Storage.approve(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#67-76) is never used and shou
ERC20Storage.balanceOf(ERC20Storage.Layout,address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#535-537) is never used and should be remove
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#486-522) is never u
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#394-427) is never used and shou
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#208-241) is never u
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#255-303
ERC20Storage.burn(ERC20Storage.Layout,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#437-453) is never used and should be rem
ERC20Storage.burnFrom(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#464-474) is never used and s
ERC20Storage.decreaseAllowance(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#113-132) is never u
ERC20Storage.increaseAllowance(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#86-103) is never us
ERC20Storage.init() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#34-38) is never used and should be removed
ERC20Storage.initERC20BatchTransfers() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#41-43) is never used and should be removed
ERC20Storage.initERC20Burnable() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#56-58) is never used and should be removed
ERC20Storage.initERC20Mintable() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#51-53) is never used and should be removed
ERC20Storage.initERC20SafeTransfers() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#46-48) is never used and should be removed
ERC20Storage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#552-557) is never used and should be removed
ERC20Storage.mint(ERC20Storage.Layout,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#368-384) is never used and should be rem
ERC20Storage.safeTransfer(ERC20Storage.Layout,address,address,uint256,bytes) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#318-329) is never
ERC20Storage.safeTransferFrom(ERC20Storage.Layout,address,address,address,uint256,bytes) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#345-35
ERC20Storage.totalSupply(ERC20Storage.Layout) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#527-529) is never used and should be removed
ERC20Storage.transfer(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#142-163) is never used and s
ERC20Storage.transferFrom(ERC20Storage.Layout,address,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#176-187) is neve
ERC2771Calldata.msgData() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#15-19) is never used and should be removed
ExitPayloadReader.getBranchMaskAsUint(ExitPayloadReader.ExitPayload) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#123-125) is never used and should be remove
ExitPayloadReader.toRlpBytes(ExitPayloadReader.Log) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#154-156) is never used and should be removed
ForwarderRegistryContextBase._msgData() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#36-49) is never used and should be removed
InterfaceDetectionStorage.setSupportedInterface(InterfaceDetectionStorage.Layout,bytes4,bool) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetecti
ProxyInitialization.setPhase(bytes32,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#12-16) is never used and should be removed
RLPReader.hasNext(RLPReader.Iterator) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#44-47) is never used and should be removed
RLPReader.isList(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#66-71) is never used and should be removed
RLPReader.next(RLPReader.Iterator) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#29-37) is never used and should be removed
RLPReader.payloadKeccak256(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#146-153) is never used and should be removed
RLPReader.payloadLen(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#83-85) is never used and should be removed
RLPReader.payloadLocation(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#135-140) is never used and should be removed
RLPReader.rlpBytesKeccak256(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#125-133) is never used and should be removed
RLPReader.rlpLen(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#76-78) is never used and should be removed
RLPReader.toBoolean(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#172-181) is never used and should be removed
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) is never used and should be removed
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) is never used and should be removed
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) is never used and should be removed
StorageSlot.getUint256Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) is never used and should be removed
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dead-code

Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/access/interfaces/IERC173.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2) is known to contain severe issues (https://solidity.read
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.i
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bu
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Receiver.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Detailed.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Metadata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2) is known to contain severe issues (https://solidity.readthedocs
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/l
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#2) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#1) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Merkle.sol#2) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/MerklePatriciaProof.sol#2) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#5) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#2) allows old versions
Pragma version^0.8.1 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4) allows old versions
Pragma version0.8.17 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20MintBurnRootTunnel.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.7
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
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Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxTokenMapping.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
solc-0.8.17 is not recommended for deployment
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity

Low level call in Address.sendValue(address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#60-65):
        - (success) = recipient.call{value: amount}() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#63)
Low level call in Address.functionCallWithValue(address,bytes,uint256,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#128-139):
        - (success,returndata) = target.call{value: value}(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#137)
Low level call in Address.functionStaticCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166):
        - (success,returndata) = target.staticcall(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#164)
Low level call in Address.functionDelegateCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193):
        - (success,returndata) = target.delegatecall(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#191)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#low-level-calls

Variable ForwarderRegistryContextBase._forwarderRegistry (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is not in mixedCase
Parameter Create2.createClone(bytes32,address)._salt (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7) is not in mixedCase
Parameter Create2.createClone(bytes32,address)._target (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7) is not in mixedCase
Parameter FxBaseRootTunnel.setFxChildTunnel(address)._fxChildTunnel (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#57) is not in mixedCase
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions

Variable ForwarderRegistryContextBase._forwarderRegistry (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is too similar to ForwarderR
Registry_ (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#12)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#variable-names-are-too-similar

Create2.createClone(bytes32,address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses literals with too many digits:
        - mstore(uint256,uint256)(clone_createClone_asm_0,0x3d602d80600a3d3981f3363d3d373d3d3d363d73000000000000000000000000) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.
Create2.createClone(bytes32,address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses literals with too many digits:
        - mstore(uint256,uint256)(clone_createClone_asm_0 + 0x28,0x5af43d82803e903d91602b57fd5bf3000000000000000000000000000000000) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/C
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#too-many-digits

setFxChildTunnel(address) should be declared external:
        - FxBaseRootTunnel.setFxChildTunnel(address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#57-60)
receiveMessage(bytes) should be declared external:
        - FxBaseRootTunnel.receiveMessage(bytes) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#166-169)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#public-function-that-could-be-declared-external
```

FxERC20RootTunnel.sol

```
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#406) is a local variable neve
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#497) is
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).selfTransferTotalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#499) is a local v
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#213) is
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]).totalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#404) is a local vari
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#216) is a local v
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).selfTransferTotalValue (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/E
ed
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]).i (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#272)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#uninitialized-local-variables

FxERC20RootTunnel.constructor(address,address,address,IForwarderRegistry).checkpointManager (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#25) shadows:
        - FxBaseRootTunnel.checkpointManager (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#44) (state variable)
FxERC20RootTunnel.constructor(address,address,address,IForwarderRegistry).fxRoot (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#26) shadows:
        - FxBaseRootTunnel.fxRoot (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#42) (state variable)
FxERC20RootTunnel.constructor(address,address,address,IForwarderRegistry).forwarderRegistry (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#28) shadows:
        - ForwarderRegistryContext.forwarderRegistry() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#14-16) (function)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#local-variable-shadowing

FxBaseRootTunnel.setFxChildTunnel(address)._fxChildTunnel (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#57) lacks a zero-check on :
        - fxChildTunnel = _fxChildTunnel (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#59)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#missing-zero-address-validation

Reentrancy in FxERC20RootTunnel._sendDepositRequest(address,address,address,uint256) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#110-120):
        External calls:
        - _sendMessageToChild(message) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#118)
                - fxRoot.sendMessageToChild(fxChildTunnel,message) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#71)
        Event emitted after the call(s):
        - FxDepositERC20(rootToken,depositor,receiver,amount) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#119)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#reentrancy-vulnerabilities-3

InterfaceDetectionStorage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#42-47) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#44-46)
ERC2771Calldata.msgSender() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#8-12) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#9-11)
ERC20Storage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#552-557) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#554-556)
Create2.createClone(bytes32,address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#10-16)
ExitPayloadReader.copy(uint256,uint256,uint256) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#31-57) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#40-42)
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#52-56)
ExitPayloadReader.getReceipt(ExitPayloadReader.ExitPayload) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#89-113) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#102-105)
Merkle.checkMembership(bytes32,uint256,bytes32,bytes32[]) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Merkle.sol#5-33) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Merkle.sol#20-22)
RLPReader.toRlpItem(bytes) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#52-59) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#54-56)
RLPReader.isList(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#108-119) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#113-115)
RLPReader.cmp(bytes32,RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#125-133) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#129-131)
RLPReader.payloadKeccak256(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#146-153) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#149-151)
RLPReader.toRlpBytes(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#158-169) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#163-165)
RLPReader.toBoolean(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#172-181) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#176-178)
RLPReader.toUint(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#190-208) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#198-205)
RLPReader.toUintStrict(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#211-222) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#217-219)
RLPReader.toBytes(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#224-238) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#232-234)
RLPReader._itemLength(uint256) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#260-298) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#263-265)
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#270-276)
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#280-286)
RLPReader._payloadOffset(uint256) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#293-305) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#295-297)
RLPReader.copy(uint256,uint256,uint256) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#312-339) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#321-323)
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#334-338)
Address.verifyCallResult(bool,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) uses assembly
```

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        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#213-216)
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#64-66)
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#64-66)
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#74-76)
StorageSlot.getUint256Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#84-86)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#assembly-usage

FxBaseRootTunnel._validateAndExtractMessage(bytes) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#74-127) compares to a boolean constant:
        -require(bool,string)(processedExits[exitHash] == false,FxRootTunnel: EXIT_ALREADY_PROCESSED) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#91)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#boolean-equality

Different versions of Solidity are used:
        - Version used: ['^0.8.0', '^0.8.1', '^0.8.8']
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Receiver.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#2)
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#1)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Merkle.sol#2)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/MerklePatriciaProof.sol#2)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#5)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#2)
        - ^0.8.1 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#4)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4)
        - ^0.8.8 (../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#2)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxTokenMapping.sol#2)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#different-pragma-directives-are-used

Address.functionCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#85-87) is never used and should be removed
Address.functionCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#95-101) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#114-120) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#128-139) is never used and should be removed
Address.functionDelegateCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#174-176) is never used and should be removed
Address.functionDelegateCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193) is never used and should be removed
Address.functionStaticCall(address,bytes) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#147-149) is never used and should be removed
Address.functionStaticCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166) is never used and should be removed
Address.isContract(address) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#36-42) is never used and should be removed
Address.sendValue(address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#60-65) is never used and should be removed
Address.verifyCallResult(bool,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#201-221) is never used and should be removed
Create2.createClone(bytes32,address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) is never used and should be removed
Create2.minimalProxyCreationCode(address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#22-28) is never used and should be removed
ERC20Storage._callOnERC20Received(address,address,address,uint256,bytes) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#566-574) is never used
ERC20Storage.allowance(ERC20Storage.Layout,address,address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#544-550) is never used and should b
ERC20Storage.approve(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#67-76) is never used and shou
ERC20Storage.balanceOf(ERC20Storage.Layout,address) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#535-537) is never used and should be remove
ERC20Storage.batchBurnFrom(ERC20Storage.Layout,address,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#486-522) is never u
ERC20Storage.batchMint(ERC20Storage.Layout,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#394-427) is never used and shou
ERC20Storage.batchTransfer(ERC20Storage.Layout,address,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#200-241) is never u
ERC20Storage.batchTransferFrom(ERC20Storage.Layout,address,address,address[],uint256[]) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#255-303
ERC20Storage.burn(ERC20Storage.Layout,address,uint256,bytes,bytes) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#437-453) is never used and should be rem
ERC20Storage.burnFrom(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#464-474) is never used and s
ERC20Storage.decreaseAllowance(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#113-132) is never u
ERC20Storage.increaseAllowance(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#86-103) is never us
ERC20Storage.init() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#34-38) is never used and should be removed
ERC20Storage.initERC20BatchTransfers() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#41-43) is never used and should be removed
ERC20Storage.initERC20Burnable() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#56-58) is never used and should be removed
ERC20Storage.initERC20Mintable() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#51-53) is never used and should be removed

ERC20Storage.initERC20SafeTransfers() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#46-48) is never used and should be removed
ERC20Storage.layout() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#552-557) is never used and should be removed
ERC20Storage.mint(ERC20Storage.Layout,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#368-384) is never used and should be rem
ERC20Storage.safeTransfer(ERC20Storage.Layout,address,address,uint256,bytes) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#318-329) is never
ERC20Storage.safeTransferFrom(ERC20Storage.Layout,address,address,address,uint256,bytes) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#345-3
ERC20Storage.toUint256(bytes32) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#527-529) is never used and should be removed
ERC20Storage.transfer(ERC20Storage.Layout,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#142-163) is never used and s
ERC20Storage.transferFrom(ERC20Storage.Layout,address,address,address,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#176-187) is neve
ERC2771Calldata.msgData() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#15-19) is never used and should be removed
ExitPayloadReader.getBranchMaskAsUint(ExitPayloadReader.ExitPayload) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#123-126) is never used and should be remove
ExitPayloadReader.toRlpBytes(ExitPayloadReader.Log) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#154-156) is never used and should be removed
ForwarderRegistryContextBase._msgData() (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#36-49) is never used and should be removed
InterfaceDetectionStorage.setSupportedInterface(InterfaceDetectionStorage.Layout,bytes4,bool) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetecti
ProxyInitialization.setPhase(bytes32,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#12-16) is never used and should be removed
RLPReader.bytesToBytes32(bytes) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#44-47) is never used and should be removed
RLPReader.iterator(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#66-71) is never used and should be removed
RLPReader.next(RLPReader.Iterator) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#29-37) is never used and should be removed
RLPReader.payloadKeccak256(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#146-153) is never used and should be removed
RLPReader.payloadLen(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#83-85) is never used and should be removed
RLPReader.payloadLocation(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#135-140) is never used and should be removed
RLPReader.rlpBytesKeccak256(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#125-133) is never used and should be removed
RLPReader.rlpLen(RLPReader.RLPItem) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#76-78) is never used and should be removed
RLPReader.toRlpItem(bytes) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#172-181) is never used and should be removed
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) is never used and should be removed
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) is never used and should be removed
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) is never used and should be removed
StorageSlot.getUint256Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) is never used and should be removed
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dead-code

Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/InterfaceDetection.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/interfaces/IERC165.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/introspection/libraries/InterfaceDetectionStorage.sol#2) is known to contain severe issues (https://solidity.read
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/late
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#2) is known to contain severe issues (https://solidity.readthedocs.i
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IERC2771.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bu
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/interfaces/IForwarderRegistry.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/libraries/ERC2771Calldata.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/lat
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/ERC20Receiver.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Allowance.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20BatchTransfers.sol#2) is known to contain severe issues (https://solidity.readthedoc
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Burnable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Mintable.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20Receiver.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/e
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/interfaces/IERC20SafeTransfers.sol#2) is known to contain severe issues (https://solidity.readthedocs
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/token/ERC20/libraries/ERC20Storage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/l
Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bug-list.html)
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/ExitPayloadReader.sol#1) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Merkle.sol#2) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/MerklePatriciaProof.sol#2) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/RLPReader.sol#5) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#2) allows old versions
Pragma version^0.8.1 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#4) allows old versions
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4) allows old versions
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
Pragma version^0.8.8 (../../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxTokenMapping.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
solc-0.8.17 is not recommended for deployment
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity

Low level call in Address.sendValue(address,uint256) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#60-65):
        - (success) = recipient.call{value: amount}() (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#63)
Low level call in Address.functionCallWithValue(address,bytes,uint256,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#128-139):
        - (success,returndata) = target.call{value: value}(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#137)
Low level call in Address.functionStaticCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#157-166):
        - (success,returndata) = target.staticcall(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#164)
Low level call in Address.functionDelegateCall(address,bytes,string) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#184-193):
        - (success,returndata) = target.delegatecall(data) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/Address.sol#191)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#low-level-calls

Variable ForwarderRegistryContextBase._forwarderRegistry (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is not in mixedCase
Parameter Create2.createClone(bytes32,address)._salt (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7) is not in mixedCase
Parameter Create2.createClone(bytes32,address)._target (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7) is not in mixedCase
Parameter FxBaseRootTunnel.setFxChildTunnel(address)._fxChildTunnel (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#57) is not in mixedCase
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions
```

```
Variable ForwarderRegistryContextBase._forwarderRegistry (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/base/ForwarderRegistryContextBase.sol#11) is too similar to ForwarderR
Registry_ (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/metatx/ForwarderRegistryContext.sol#12)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#variable-names-are-too-similar

Create2.createClone(bytes32,address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses literals with too many digits:
        - mstore(uint256,uint256)(clone_createClone_asm_0,0x3d602d80600a3d3981f3363d3d373d3d3d363d73000000000000000000000000) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2
Create2.createClone(bytes32,address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/Create2.sol#7-19) uses literals with too many digits:
        - mstore(uint256,uint256)(clone_createClone_asm_0 + 0x28,0x5af43d82803e903d91602b57fd5bf3000000000000000000000000000000000000) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/lib/C
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#too-many-digits

FxERC20RootTunnel (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#15-157) does not implement functions:
        - FxERC20RootTunnel._deposit(address,uint256) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#141)
        - FxERC20RootTunnel._depositFrom(address,address,uint256) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#145-149)
        - FxERC20RootTunnel._mapToken(address) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#137)
        - FxERC20RootTunnel._withdraw(address,address,uint256) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/FxERC20RootTunnel.sol#152-156)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#unimplemented-functions

setFxChildTunnel(address) should be declared external:
        - FxBaseRootTunnel.setFxChildTunnel(address) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#57-60)
receiveMessage(bytes) should be declared external:
        - FxBaseRootTunnel.receiveMessage(bytes) (../../HALBORN/animocaBridge/node_modules/@maticnetwork/fx-portal/contracts/tunnel/FxBaseRootTunnel.sol#166-169)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#public-function-that-could-be-declared-external
```

FxERC20Storage.sol

```
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#54-56)
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#64-66)
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#74-76)
StorageSlot.getUint256Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) uses assembly
        - INLINE ASM (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#84-86)
FxERC20Storage.layout() (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/Libraries/FxERC20Storage.sol#41-46) uses assembly
        - INLINE ASM (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/Libraries/FxERC20Storage.sol#43-45)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#assembly-usage

Different versions of Solidity are used:
        - Version used: ['^0.8.0', '^0.8.8']
        - ^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2)
        - ^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4)
        - ^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/Libraries/FxERC20Storage.sol#2)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#different-pragma-directives-are-used

FxERC20Storage.connectedToken(FxERC20Storage.Layout) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/Libraries/FxERC20Storage.sol#37-39) is never used and should be removed
FxERC20Storage.fxManager(FxERC20Storage.Layout) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/Libraries/FxERC20Storage.sol#33-35) is never used and should be removed
FxERC20Storage.init(FxERC20Storage.Layout,address,address) (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/Libraries/FxERC20Storage.sol#23-31) is never used and should be removed
FxERC20Storage.layout() (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/Libraries/FxERC20Storage.sol#41-46) is never used and should be removed
ProxyInitialization.setPhase(bytes32,uint256) (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#12-16) is never used and should be removed
StorageSlot.getAddressSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#52-57) is never used and should be removed
StorageSlot.getBooleanSlot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#62-67) is never used and should be removed
StorageSlot.getBytes32Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#72-77) is never used and should be removed
StorageSlot.getUint256Slot(bytes32) (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#82-87) is never used and should be removed
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dead-code

Pragma version^0.8.8 (../../HALBORN/animocaBridge/node_modules/@animoca/ethereum-contracts/contracts/proxy/libraries/ProxyInitialization.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/
Pragma version^0.8.0 (../../HALBORN/animocaBridge/node_modules/@openzeppelin/contracts/utils/StorageSlot.sol#4) allows old versions
Pragma version^0.8.8 (../../../pro/HALBORN/animocaBridge/contracts/fx-portal/ERC20/Libraries/FxERC20Storage.sol#2) is known to contain severe issues (https://solidity.readthedocs.io/en/latest/bugs.html)
solc-0.8.17 is not recommended for deployment
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity
```

- As a result of the tests carried out with the Slither tool, some results were obtained and reviewed by Halborn. Based on the results reviewed, some vulnerabilities were determined to be false positives.

6.2 AUTOMATED SECURITY SCAN

Description:

Halborn used automated security scanners to assist with detection of well-known security issues, and to identify low-hanging fruits on the targets for this engagement. Among the tools used was MythX, a security analysis service for Ethereum smart contracts. MythX performed a scan on all the contracts and sent the compiled results to the analyzers to locate any vulnerabilities.

MythX results:

SHRD and CATA ERC20 tokens smart contracts

ERC20MintBurn.sol

Report for contracts/fx-portal/ERC20/FxERC20MintBurn.sol
https://dashboard.mythx.io/#/console/analyses/fc66ee84-0a87-4bf3-88c8-1903cb1e4a31

Line	SWC Title	Severity	Short Description
14	(SWC-123) Requirement Violation	Low	Requirement violation.

Polygon ERC20 bridging setup smart contracts

FxERC20.sol

Report for contracts/fx-portal/ERC20/FxERC20.sol
https://dashboard.mythx.io/#/console/analyses/31819dac-2203-4a16-87df-531a76cf9864

Line	SWC Title	Severity	Short Description
2	(SWC-103) Floating Pragma	Low	A floating pragma is set.

FxERC20ChildTunnel.sol

Report for contracts/fx-portal/ERC20/FxERC20ChildTunnel.sol
https://dashboard.mythx.io/#/console/analyses/a46134a4-6a8e-462a-ade8-e971bf0e8f1e

Line	SWC Title	Severity	Short Description
2	(SWC-103) Floating Pragma	Low	A floating pragma is set.

FxERC20RootTunnel.sol

Report for contracts/fx-portal/ERC20/FxERC20RootTunnel.sol
https://dashboard.mythx.io/#/console/analyses/39e5abfe-4b30-424b-bf01-545ac6479e63

Line	SWC Title	Severity	Short Description
2	(SWC-103) Floating Pragma	Low	A floating pragma is set.
22	(SWC-108) State Variable Default Visibility	Low	State variable visibility is not set.

FxERC20MintBurn.sol

Report for contracts/fx-portal/ERC20/FxERC20MintBurn.sol
https://dashboard.mythx.io/#/console/analyses/fc66ee84-0a87-4bf3-88c8-1903cb1e4a31

Line	SWC Title	Severity	Short Description
14	(SWC-123) Requirement Violation	Low	Requirement violation.

- No major issues found by Mythx.

THANK YOU FOR CHOOSING

// HALBORN