




Started	Sun Oct 15 2023 08:29:05 GMT+0000 (Coordinated Universal Time)
Finished	Sun Oct 15 2023 09:14:58 GMT+0000 (Coordinated Universal Time)
Mode	Deep
Client Tool	Mythx-Cli-0.7.3
Main Source File	Contracts/Automations/DexWeeklyUpdater.sol

DETECTED VULNERABILITIES

 HIGH	 MEDIUM	 LOW
0	0	0

ISSUES

UNKNOWN Arithmetic operation "++" discovered

This plugin produces issues to support false positive discovery within MythX.

SWC-101

Source file

contracts/automations/DexWeeklyUpdater.sol

Locations

```
58 | function chainIdExists(uint256 chainId) public view returns (bool)
59 | {
60 |     for(uint i = 0; i < chains.length; i++) {
61 |         if(chains[i] == chainId) {
62 |             return true;

```

UNKNOWN Arithmetic operation "++" discovered

This plugin produces issues to support false positive discovery within MythX.

SWC-101

Source file

contracts/automations/DexWeeklyUpdater.sol

Locations

```
229 | function runWeeklyUpdates() external onlyAuthorized
230 | {
231 |     for(uint256 i = 0; i < chains.length; i++) {
232 |         try this.runWeeklyUpdate(chains[i]) {
233 |

```

UNKNOWN Public state variable with array type causing reachable exception by default.

The public state variable "chains" in "DexWeeklyUpdater" contract has type "uint256[]" and can cause an exception in case of use of invalid array index value.

SWC-110

Source file

contracts/automations/DexWeeklyUpdater.sol

Locations

```
24 | address layerZeroSender;  
25 |  
26 | uint256[] public chains;  
27 | mapping(address => bool) public admins;  
28 | mapping(address => bool) public authorized;
```

UNKNOWN Out of bounds array access

The index access expression can cause an exception in case of use of invalid array index value.

SWC-110

Source file

contracts/automations/DexWeeklyUpdater.sol

Locations

```
59 | {  
60 | for(uint i = 0; i < chains.length; i++) {  
61 | if(chains[i] == chainId) {  
62 | return true;  
63 | }
```

UNKNOWN Out of bounds array access

The index access expression can cause an exception in case of use of invalid array index value.

SWC-110

Source file

contracts/automations/DexWeeklyUpdater.sol

Locations

```
230 | {  
231 | for(uint256 i = 0; i < chains.length; i++) {  
232 | try this.runWeeklyUpdate(chains[i]) {  
233 |  
234 | } catch {
```

UNKNOWN Out of bounds array access

The index access expression can cause an exception in case of use of invalid array index value.

SWC-110

Source file

contracts/automations/DexWeeklyUpdater.sol

Locations

```
233 |  
234 | } catch {  
235 | emit WeeklyUpdateNotProcessed(chains[i], isActive[chains[i]]);  
236 | }  
237 | }
```

UNKNOWN Out of bounds array access

The index access expression can cause an exception in case of use of invalid array index value.

SWC-110

Source file

contracts/automations/DexWeeklyUpdater.sol

Locations

```
233 |  
234 | } catch {  
235 | emit WeeklyUpdateNotProcessed(chains[i], isActive[chains[i]]);  
236 | }  
237 | }
```