

Scout Report - 2025-09-27

Summary

Crate	Status	Critical	Medium	Minor	Enhancement
authority	Analyzed	5	4	1	1
protocol	Analyzed	0	0	0	1
resolvers	Analyzed	0	0	0	0

Issues found:

- Unused Return Enum (1 results) (Minor)
- Unnecessary Admin Parameter (2 results) (Medium)
- Storage Change Events (2 results) (Enhancement)
- Front Running (2 results) (Medium)
- Integer Overflow Or Underflow (5 results) (Critical)

Error Handling

Unused Return Enum

Impact: Minor

Description: If any of the variants (Ok/Err) is not used, the code could be simplified or it could imply a bug

More about: [here](#)

ID	Package	Detection
8	authority	lib.rs:269:9 - 269:15

Authorization

Unnecessary Admin Parameter

Impact: Medium

Description: Usage of admin parameter might be unnecessary

More about: [here](#)

ID	Package	Detection
10	authority	lib.rs:57:9 - 57:23
11	authority	lib.rs:219:42 - 219:56

Best Practices

Storage Change Events

Impact: Enhancement

Description: Consider emitting an event when storage is modified

More about: [here](#)

ID	Package	Detection
0	protocol	lib.rs:141:5 - 141:104
9	authority	lib.rs:32:5 - 37:27

MEV

Front Running

Impact: Medium

Description: The transferred amount should be checked against a minimum to prevent front-running

More about: [here](#)

ID	Package	Detection
1	authority	resolver.rs:111:5 - 111:77
2	authority	resolver.rs:152:5 - 152:77

Arithmetic

Integer Overflow Or Underflow

Impact: Critical

Description: Potential for integer arithmetic overflow/underflow. Consider checked, wrapping or saturating arithmetic.

More about: [here](#)

ID	Package	Detection
3	authority	state.rs:86:27 - 86:56
4	authority	state.rs:116:27 - 116:56
5	authority	state.rs:148:22 - 148:49
6	authority	state.rs:167:22 - 167:49
7	authority	lib.rs:48:25 - 48:54