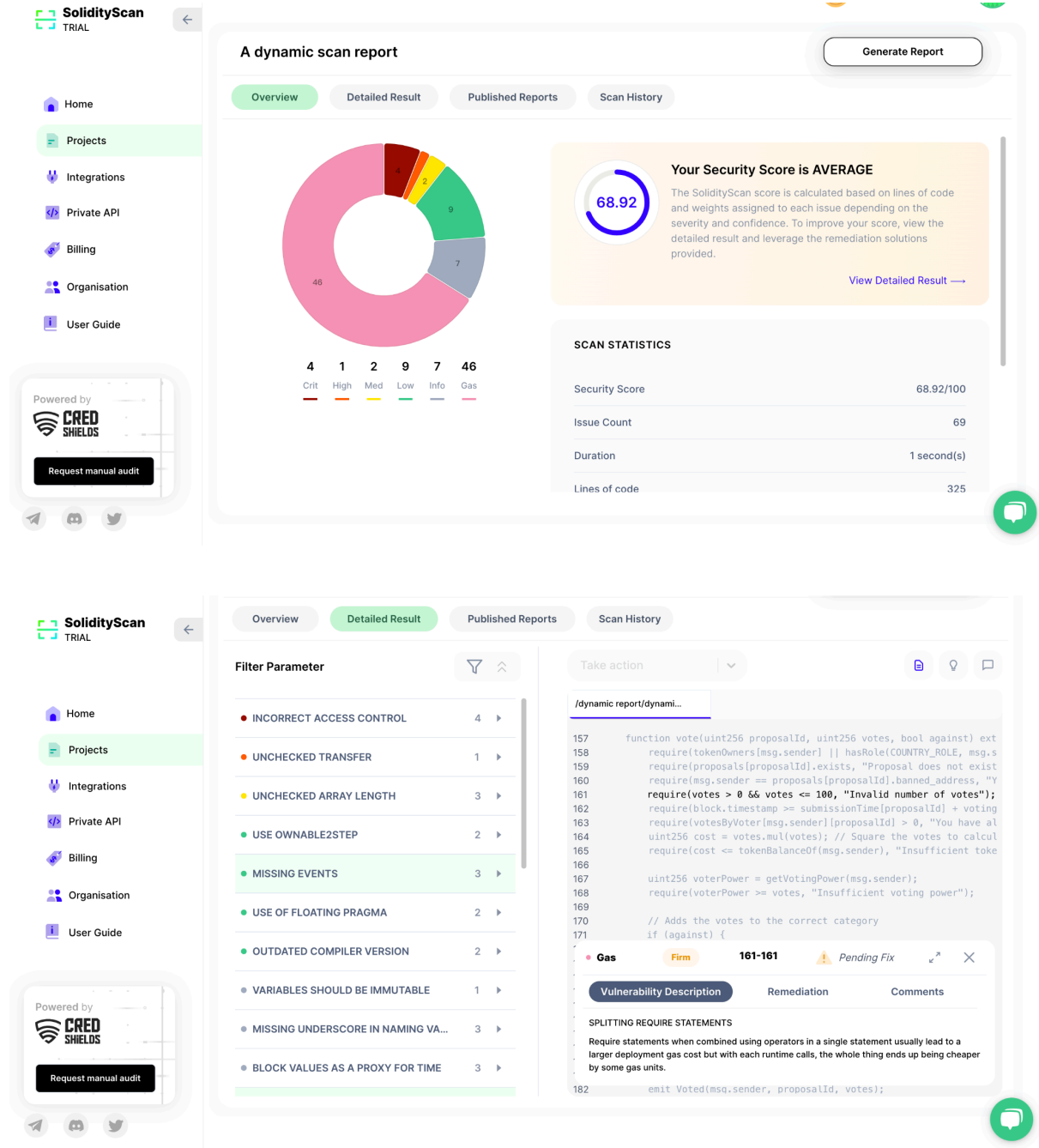


# A dynamic scan report



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BLOCK VALUES AS A PROXY FOR TIME

3

▶

SPPLITTING REQUIRE STATEMENTS

1

▼

SSP\_4432\_2

DEFINE CONSTRUCTOR AS PAYABLE

2

▶

OPTIMIZING ADDRESS ID MAPPING

2

▶

UNNECESSARY CHECKED ARITHMETI...

7

▶

STORAGE VARIABLE CACHING IN MEM...

9

▶

INTERNAL FUNCTIONS NEVER USED

1

▶

EMIT USED IN LOOP

4

▶

CHEAPER INEQUALITIES IN REQUIRE()

4

▶

PUBLIC CONSTANTS CAN BE PRIVATE

2

▶

Take action

▼

/dynamic report/dynamil...

157

function vote(uint256 proposalId, uint256 votes, bool against) ext

158

require(tokenOwners[msg.sender] || hasRole(COUNTRY\_ROLE, msg.s

159

require(proposals[proposalId].exists, "Proposal does not exist

160

require(msg.sender == proposals[proposalId].banned\_address, "Y

161

require(votes > 0 && votes <= 100, "Invalid number of votes");

162

require(block.timestamp >= submissionTime[proposalId] + voting

163

require(votesByVoter[msg.sender][proposalId] > 0, "You have al

164

uint256 cost = votes.mul(votes); // Square the votes to calcul

165

require(cost <= tokenBalanceOf(msg.sender), "Insufficient toke

166

167

uint256 voterPower = getVotingPower(msg.sender);

168

require(voterPower >= votes, "Insufficient voting power");

169

170

// Adds the votes to the correct category

171

if (against) {

182

emit Voted(msg.sender, proposalId, votes);

Gas

Firm

161-161

Pending Fix

⚡

✕

Vulnerability Description

Remediation

Comments

SPLITTING REQUIRE STATEMENTS

Require statements when combined using operators in a single statement usually lead to a larger deployment gas cost but with each runtime calls, the whole thing ends up being cheaper by some gas units.

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CHEAPER INEQUALITIES IN REQUIRE()

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PUBLIC CONSTANTS CAN BE PRIVATE

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▶

GAS OPTIMIZATION IN INCREMENTS

5

▶

LONG REQUIRE/REVERT STRINGS

6

▶

ARRAY LENGTH CACHING

4

▶

Take action

▼

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