

Audit Report - ce0db610-a5d5-495b-af58-00115ddf6c71

HIGH - Line 133

Issue: Potential for reentrancy attack in fulfillRandomWords

Recommendation: Use the Checks-Effects-Interactions pattern to prevent reentrancy. Move the call to recentWinner outside of the fulfillRandomWords function or use a reentrancy lock.

MEDIUM - Line 83

Issue: Lack of input validation for constructor parameters

Recommendation: Add input validation for constructor parameters (e.g., check that subscriptionId, gasLane, interval, entranceFee, and callbackGasLimit are valid).

MEDIUM - Line 105

Issue: Unbounded loop not present but potential denial of service if s_players becomes too large

Recommendation: Consider implementing a cap on the number of players or a mechanism to remove players after a certain period.

LOW - Line 183

Issue: getPlayer function does not check if index is within bounds

Recommendation: Add a check to ensure the index is within the bounds of the s_players array.

LOW - Line 34

Issue: Magic numbers used for REQUEST_CONFIRMATIONS and NUM_WORDS

Recommendation: Consider making these values configurable or providing a clear explanation for the chosen values.