

**GA GUARDIAN**

# Contract Updates

**Bounce**

**Security Review Proposal**

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# \$10,000,000,000 Guarded

See what the **best** have to say about us

"Having seen many audits over many years, no one even comes close to guardian's approach, and the quality of the audit is unmatched"



**Kaleb, Synthetix Core Contributor**

"My team and I have worked with many auditors in the past, I can confidently say that we have never felt as secure as when working with Guardian. Their process is next level."



**Fullyallocated, Baseline Markets**

"Our audit with Guardian way exceeded expectations in terms of the number of vulnerabilities they were able to find and the level of service that they provided. Their two-team approach led to a high number of findings, much more than even our prior audit for the same contract."



**BP, Gamma Strategies**

From the very beginning, it was a seamless process; during the kickoff, their team came prepared with precise questions, instilling confidence in their capabilities. Within just a few days, they uncovered all issues, and their rapid review of fixes further underscores their efficiency."



**Slava Gerashenko, Orderly Network**

"10/10 They are hands down some of the absolute best security minds in the space. [...] this is how auditing DeFi protocols should be."



**Alphak3y, Poolshark**

"We were impressed with Guardian's overall approach to security, focus on tests, attention to detail and streamlined audit process. We enjoyed working with them."



**Ruvaag, Sentiment**

"Guardian has been an integral part of the growth of GMX and our ecosystem of protocols who also rely on them for Audits. They have been consistent in reviewing all our updates for GMX V2 and the GMX DAO, with a deep understanding of the protocol beyond just the code. Having Guardian as a strategic partner has allowed us to move the cycle of updates to GMX V2 more quickly while keeping security as our highest priority."



**CoinflipCanada, GMX**

"Guardian has an impeccable eye to detail and goes above and beyond to ensure that the code is watertight. They are able to assess super advanced Solidity inline-assembly with ease."



**Vectorized, Solady Core Contributor**

"It's clear that Guardian's a team of talented professionals that care deeply about the end outcome."



**2pmflow, Co-founder of Azuki**

"The Guardian team's attention to detail is top-notch. Sometimes when you get an audit done, you wonder how closely the team looked at your code and considered all surface area for attacks. We sleep soundly at night knowing that Guardian went through every detail of our codebase rigorously."



**Corey Caplan, Dolomite**

"The Guardian team is incredibly knowledgeable, thorough, and mindful. They caught issues that required extensive knowledge of dependencies. I would recommend anybody work with Guardian Audits!"



**OxQuit, Yuga Labs**

"We very much appreciate Guardian's approach to security and the entire audit process. Guardian goes above and beyond to not only do manual audits but also contributes to verification processes and helps the entire development pipeline to improve."



**USDT**

"We can't recommend Guardian highly enough. Their team is top-notch: diligent, insightful, and a joy to work with. If you are looking for a team with a proven track-record, who truly cares about securing your protocol, Guardian is the security firm to work with."



**Rizzo, NFTY Finance**

"Guardian demonstrated professionalism and attention to detail second to none. They identified issues our other auditors missed, sharing their fuzzing and invariant suite built additional confidence beyond traditional auditors more opaque processes."



**Dow, Magna Tokens**

# Proposal Summary

Having secured over \$10 Billion in digital assets in the past 5 years, the Guardian team holds Web3 protocol security in the highest regard. In close partnership with top Web3 teams such as USDT0, GMX, Synthetix, Yuga Labs, Ethena and others, Guardian upholds its mission to empower innovators to redefine the way money, information and assets move around the world.

This proposal puts forth our case for performing a security review of the Bounce codebase. The proposed scope includes a full audit of the smart contract scope as well as configuration review in addition to a full re-audit once remediations are made by the protocol team. We thank the team for their time and consideration for the proposal that follows.





# Guardian's Approach

Guardian's audit methodology centers around a cross-checking and layered approach to catch and report as many vulnerabilities and bugs as possible.

## Two Competing Teams

In a Guardian engagement, two competing teams of security researchers cross-check each other by performing independent audits of the code in scope. The two teams typically consist of 2 security researchers each, who are incentivized by a reward pot which is split between both teams depending on the number and severity of findings each team uncovers.

## Lead Researcher

The lead engagement researcher performs their own review to aid the teams with context and uncover any vulnerabilities that may have slipped past both teams. The lead researcher brings valuable experience and input that benefits both teams in terms of understanding the system, attack conception, and finding assessment.

## Smart Contract Fuzzing

Finally a fuzzing engineer constructs an invariant testing fuzz suite to assess protocol invariants identified by the security researchers on the engagement. The fuzzing suite offers coverage outside of what can be covered by manual analysis and serves as a last line of defense for tricky vulnerabilities.

The fuzzing suite provides tremendous confidence in the fidelity of remediations, as recommendations are battle-tested with millions of fuzz runs. Additionally, the fuzzing suite is updated to assess the final remediated commit during the remediation review. The constructed fuzzing suite also serves as a security artifact for the protocol team, providing continuous coverage and assurance for code updates made even after a Guardian engagement.



### Guardian Review



Security Researcher



Security Researcher



Guardian Lead



Fuzzing Engineer

### Remediation Re-Audit



Security Researcher



Security Researcher



Guardian Lead



Fuzzing Engineer

### Defender Public Contest



# Scope of review

The engagement will focus on the following Smart Contract scope:

The following diff is in scope:

<https://github.com/bounce-tech/bounce-contracts/compare/648c37fb830d6a760810ea7f1c92f85bf037ee4d...5a64a834c2e8961352140afd3e994312f115f563>

# Schedule and pricing

The Guardian team will complete the audit over 0.5 Weeks. This timeline is the duration of the main audit phase, an additional period for remediation review is included at no extra cost.

## Flat-Cost

The flat cost option of the engagement is:

# \$17,500

## Closing Remarks

For over 3 years Guardian has worked tirelessly to secure the largest and most impactful projects within the Ethereum ecosystem, ultimately securing billions of dollars in TVL across EVM networks.

Guardian is honored to have the opportunity to expand our responsibility and ownership over the security of your protocol, and this role is not taken lightly by the Guardian team. If granted a partnership, Guardian would proudly continue to provide world-class security services to the best of our ability.

