

NFT-TiX

Event Factory v2

SMART CONTRACT AUDIT

07.02.2023

Made in Germany by Chainsulting.de



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1. Disclaimer

The audit makes no statements or warrantees about utility of the code, safety of the code, suitability of the business model, investment advice, endorsement of the platform or its products, regulatory regime for the business model, or any other statements about fitness of the contracts to purpose, or their bug free status. The audit documentation is for discussion purposes only.

The information presented in this report is confidential and privileged. If you are reading this report, you agree to keep it confidential, not to copy, disclose or disseminate without the agreement of NFT-TiX LLC. If you are not the intended receptor of this document, remember that any disclosure, copying or dissemination of it is forbidden.

Major Versions / Date	Description
0.1 (18.04.2022)	Layout
0.4 (20.04.2022)	Automated Security Testing
	Manual Security Testing
0.5 (24.04.2022)	Verify Claims and Test Deployment
0.6 (25.04.2022)	Testing SWC Checks
0.9 (26.04.2022)	Summary and Recommendation
1.0 (29.04.2022)	Final document
1.1 (04.05.2022)	Re-check
1.2 (06.07.2022)	Deployed contracts
1.3 (07.02.2023)	Re-check v2



2. About the Project and Company

Company address:

NFT-TiX LLC 457 Alpine Ter, Ridgewood New Jersey 07450 United States of America

Website: https://nft-tix.com

Twitter: https://twitter.com/nft_tix

Blog: https://nft-tix.com/blog

E-Mail: info@nft-tix.com





2.1 Project Overview

NFT-TiX Marketplace is breaking down the barrier between ticket buyers and ticket sellers. For the first time ever, there will be no place for the intermediary processors. NFT-TiX Marketplace does not require any central authority. There are no executives peering down into the process and reaching in their hands to take a cut. This means that ticket buyers and ticket sellers can interact with each other from anywhere in the world, without relying on any third parties. Combining blockchain technology with the ticketing experience, we have put together a straightforward but innovative process. Event Organizers generate their own tickets, as NFTs, running smart contracts in order to do so. Buyers then run smart contracts of their own, to process payment for the tickets and take ownership. This protocol will be familiar enough that blockchain, cryptocurrency, and NFT enthusiasts will see its value immediately.

We are making it so simple, in fact, that even those who have never touched cryptocurrency at all will be able to jump in and use it. Our vision is of a ticketing system that feels personal – and that runs according to democratic principles, championing access and efficiency above all else. Whereas the ticket monopolies of today have forced sellers to raise prices and forced buyers to pay those prices, NFT-TiX Marketplace allows the sellers themselves to decide what to charge. This is a power that ticket companies previously kept from the sellers, in order to continue to take advantage of the buyers. Long-term, NFT-TiX Marketplace is going to reshape this industry. Sports, concerts, magic shows, circuses, car shows, special parties, and much, much more: our technology is widely applicable, to any event that requires a ticket.

There is no gating to prevent anyone from selling tickets – unless the sellers decide to restrict or limit sales in some way, by setting those details in their smart contracts. This is a protocol that will work better for everyone. Sellers who use NFT-TiX Marketplace can expect to earn more from their tickets, to feel more in control of the terms of their sales, and to save themselves time and resources that they would have expended on dealing with the ticketing companies. Buyers who use NFT-TiX Marketplace will, on the other hand, benefit from lower prices, a smoother buying experience, and greater freedom to do with their tickets as they please. In the meantime, the bulky, inefficient, monopolistic ticketing platforms are going to become relics of the past. We believe that now is the time to push them out, to redirect this space so that it is working for people, not corporations.



3. Vulnerability & Risk Level

Risk represents the probability that a certain source-threat will exploit vulnerability, and the impact of that event on the organization or system. Risk Level is computed based on CVSS version 3.0.

Level	Value	Vulnerability	Risk (Required Action)
Critical	9 – 10	A vulnerability that can disrupt the contract functioning in a number of scenarios, or creates a risk that the contract may be broken.	Immediate action to reduce risk level.
High	7 – 8.9	A vulnerability that affects the desired outcome when using a contract, or provides the opportunity to use a contract in an unintended way.	Implementation of corrective actions as soon as possible.
Medium	4 – 6.9	A vulnerability that could affect the desired outcome of executing the contract in a specific scenario.	•
Low	2 – 3.9	A vulnerability that does not have a significant impact on possible scenarios for the use of the contract and is probably subjective.	Implementation of certain corrective actions or accepting the risk.
Informational	0 – 1.9	A vulnerability that have informational character but is not effecting any of the code.	An observation that does not determine a level of risk



4. Auditing Strategy and Techniques Applied

Throughout the review process, care was taken to evaluate the repository for security-related issues, code quality, and adherence to specification and best practices. To do so, reviewed line-by-line by our team of expert pentesters and smart contract developers, documenting any issues as there were discovered.

4.1 Methodology

The auditing process follows a routine series of steps:

- 1. Code review that includes the following:
 - i.Review of the specifications, sources, and instructions provided to Chainsulting to make sure we understand the size, scope, and functionality of the smart contract.
 - ii.Manual review of code, which is the process of reading source code line-by-line in an attempt to identify potential vulnerabilities.
- iii. Comparison to specification, which is the process of checking whether the code does what the specifications, sources, and instructions provided to Chainsulting describe.
- 2. Testing and automated analysis that includes the following:
 - i.Test coverage analysis, which is the process of determining whether the test cases are actually covering the code and how much code is exercised when we run those test cases.
 - ii. Symbolic execution, which is analysing a program to determine what inputs causes each part of a program to execute.
- 3. Best practices review, which is a review of the smart contracts to improve efficiency, effectiveness, clarify, maintainability, security, and control based on the established industry and academic practices, recommendations, and research.
- 4. Specific, itemized, actionable recommendations to help you take steps to secure your smart contracts.



5. Metrics

The metrics section should give the reader an overview on the size, quality, flows and capabilities of the codebase, without the knowledge to understand the actual code.

5.1 Tested Contract Files

The following are the MD5 hashes of the reviewed files. A file with a different MD5 hash has been modified, intentionally or otherwise, after the security review. You are cautioned that a different MD5 hash could be (but is not necessarily) an indication of a changed condition or potential vulnerability that was not within the scope of the review

File	Fingerprint (MD5)
./Event.sol	54fb2ad0656cb5d8e8d87c4e6733b4f4
./Factory.sol	e0c46653a988649625e5e0f65f05f244
./Registry.sol	9426325228f46c81716ebb9690d25bf2
./interfaces/IERC2309.sol	dc9d5b6d6915c96855d70409182612c7
./interfaces/IEvent.sol	24a53d4ea596cf5da7408bb0e42cf137
./interfaces/IFactory.sol	354d17f8400a59decefc2e5ceae65426
./interfaces/IRegistry.sol	944ffb083ea27b92ba424975299efbfe

Update (07.02.2023)

File	Fingerprint (MD5)
./Factory.sol	4ebb012c14b9f402bd602fb4f7d8123a
./Event.sol	d1f6d723b8916f0b5bba03561fcf60c9
./Registry.sol	062f3d891719d92f4196327afa3da43a
./Marketplace.sol	bdcf094a7d0d21718412b846056b1aad
./Registryv2.sol	5246cda69d04597b3aa152695c0efcf8
./extensions/ERC721ABurnable.sol	c275bd8f668bacbde8710ccd7b1c56cd
./extensions/ERC721A.sol	7ce225b19b64a90c85169b6e0db5ccbf



./extensions/ERC721APausable.sol	855429c519c3e2717ce9b74bdc478dc2
./extensions/EIP712.sol	a37d94aa1740238305995344609f6958
./lib/OrderInterface.sol	3c33d21b805f3f5c6be4b6cb69680a9d
./interfaces/IEvent.sol	0800c7db1f42513bc89de3e0127aebc8
./interfaces/IERC721ABurnable.sol	614ea7158bba4f6ecae75533585ce65e
./interfaces/IFactory.sol	3f9f334816b2680293fdc29006dca724
./interfaces/IRegistry.sol	2d2cdf0dacbb597a05274dc42dcaaef7
./interfaces/IERC721A.sol	94c68365be36db5f69172b16c3bc0c98
./interfaces/IMarketplace.sol	2e89fa5c8e6e445c65d084ffe7e235d3
./interfaces/IOldRegistry.sol	3c35b70220f78cb13a0d7a0c34c6724b

5.2 Used Code from other Frameworks/Smart Contracts (direct imports)

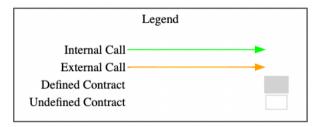
Dependency / Import Path	Source
@openzeppelin/contracts/access/AccessControl.sol	https://github.com/OpenZeppelin/openzeppelin- contracts/tree/v4.3.2/access/AccessControl.sol
@openzeppelin/contracts/access/AccessControlEnumerable.sol	https://github.com/OpenZeppelin/openzeppelin-contracts/tree/v4.3.2/access/AccessControlEnumerable.sol
@openzeppelin/contracts/access/Ownable.sol	https://github.com/OpenZeppelin/openzeppelin- contracts/tree/v4.3.2/access/Ownable.sol
@openzeppelin/contracts/token/ERC721/ERC721.sol	https://github.com/OpenZeppelin/openzeppelin-contracts/tree/v4.3.2/token/ERC721/ERC721.sol
@openzeppelin/contracts/token/ERC721/extensions/ERC721Bu rnable.sol	https://github.com/OpenZeppelin/openzeppelin- contracts/tree/v4.3.2/token/ERC721/extensions/ERC721Bur nable.sol

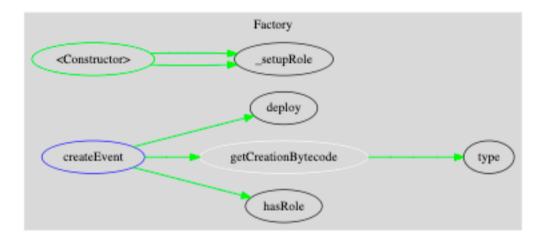


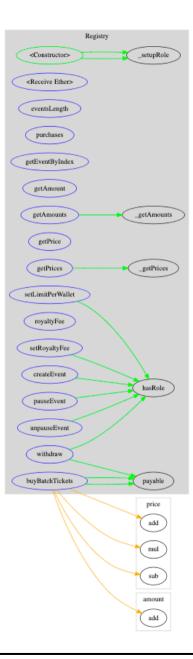
Dependency / Import Path	Source
@openzeppelin/contracts/token/ERC721/extensions/ERC721Pa usable.sol	https://github.com/OpenZeppelin/openzeppelin-contracts/tree/v4.3.2/token/ERC721/extensions/ERC721Pau sable.sol
@openzeppelin/contracts/token/ERC721/extensions/IERC721En umerable.sol	https://github.com/OpenZeppelin/openzeppelin-contracts/tree/v4.3.2/token/ERC721/extensions/IERC721En umerable.sol
@openzeppelin/contracts/utils/Context.sol	https://github.com/OpenZeppelin/openzeppelin-contracts/tree/v4.3.2/utils/Context.sol
@openzeppelin/contracts/utils/Counters.sol	https://github.com/OpenZeppelin/openzeppelin-contracts/tree/v4.3.2/utils/Counters.sol
@openzeppelin/contracts/utils/math/SafeMath.sol	https://github.com/OpenZeppelin/openzeppelin-contracts/tree/v4.3.2/utils/math/SafeMath.sol



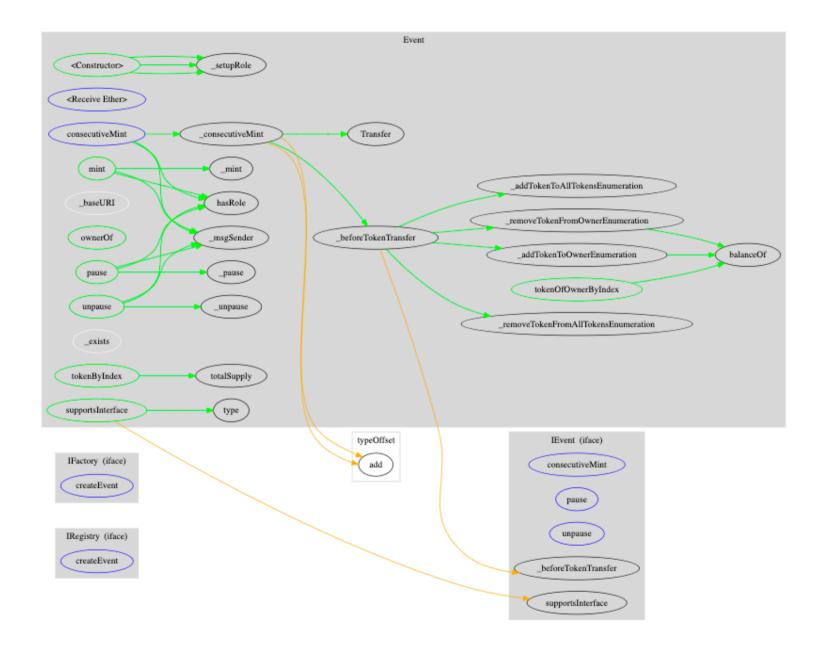
5.3 CallGraph





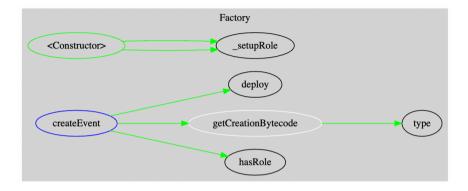


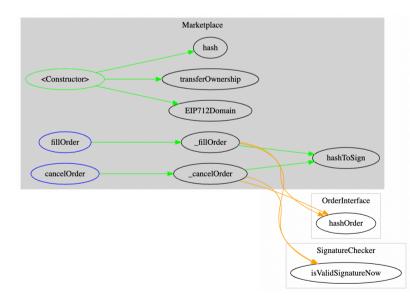


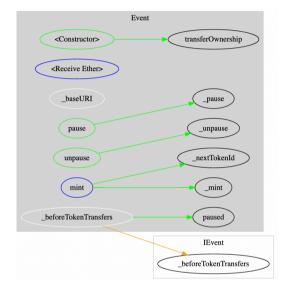


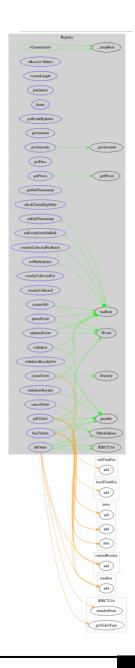


Update (07.02.2023)



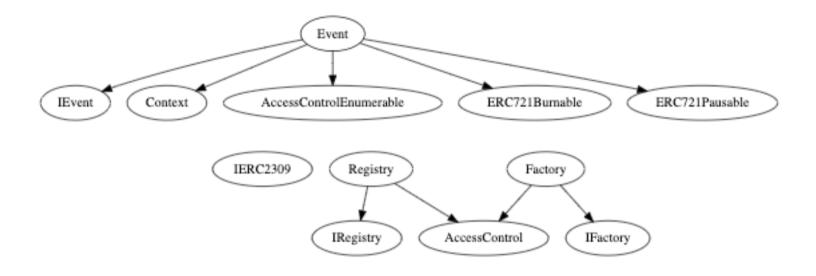




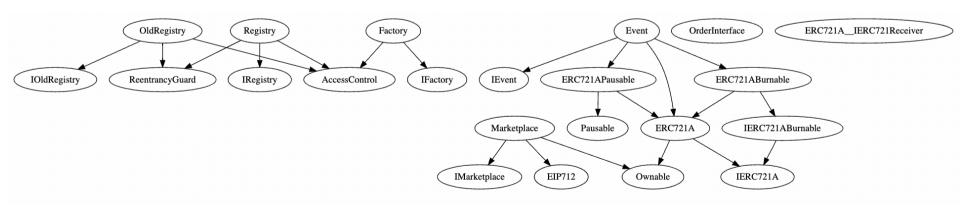




5.4 Inheritance Graph

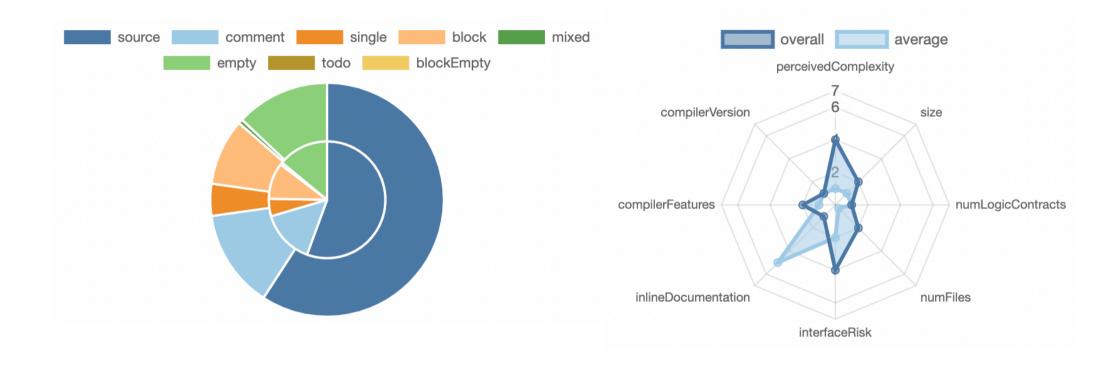


Update (07.02.2023)





5.5 Source Lines & Risk





5.6 Capabilities



Exposed Functions

This section lists functions that are explicitly declared public or payable. Please note that getter methods for public stateVars are not included.



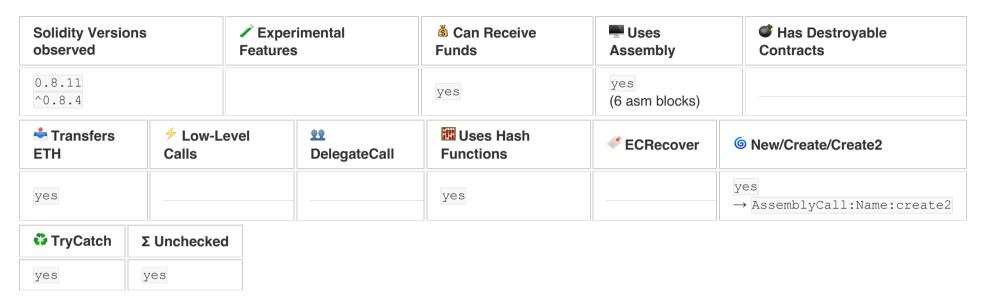
External	Internal	Private	Pure	View
24	34	4	1	18

State Variables 5 4 1





Update (07.02.2023)



Exposed Functions

This section lists functions that are explicitly declared public or payable. Please note that getter methods for public stateVars are not included.

#Public	c Š Payab	le		
100	8			
Externa	I Internal	Private	Pure	View
83	106	6	7	63



StateVariables

Total	Public
54	10

5.7 Source Unites in Scope

Source: https://github.com/nfttix/contracts

Last commit: f5b683b5d33b69c6b20e5793b016cf51a2a323db2

Тур	File	Logic Contracts	Interfaces	Line s	nLin es	nSLO C	Comme nt Lines	Comple x. Score	Capabilities
Q	contracts/interfaces/IERC2 309.sol		1	6	6	4	1	1	
Q	contracts/interfaces/IRegistr y.sol		1	13	5	3	1	3	
Q	contracts/interfaces/IFactor y.sol		1	11	5	3	1	3	
Q	contracts/interfaces/IEvent.		1	13	5	3	1	7	
no. List many control of the control of the control of the control of the control of the control of the control	contracts/Registry.sol	1		185	174	141	3	157	Š ♣Ⅲ
made party statements of the party of the pa	contracts/Event.sol	1		278	266	147	81	128	Š



Typ e	File	Logic Contracts	Interfaces	Line s	nLin es	nSLO C	Comme nt Lines	Comple x. Score	Capabilities
was new comments	contracts/Factory.sol	1		51	41	32	1	45	_ #6
	Totals	3	4	557	502	333	89	344	<u> </u>

Source: https://github.com/nfttix/contracts/tree/RegistryV2 Last commit: d0c0dfb97c3cedf4a118a1190980cfcf11df3906

Туре	File	Logic Contracts	Interface s	Lin es	nLin es	nSL OC	Comm ent Lines	Comp lex. Score	Capabiliti es
Q	contracts- RegistryV2/contracts/interfaces/IOldR egistry.sol		1	22	12	7	2	3	
Q	contracts- RegistryV2/contracts/interfaces/IMark etplace.sol		1	16	9	4	2	5	
Q	contracts- RegistryV2/contracts/interfaces/IERC 721A.sol		1	265	121	54	177	31	
Q	contracts- RegistryV2/contracts/interfaces/IRegis try.sol		1	23	12	7	2	3	



Туре	File	Logic Contracts	Interface s	Lin es	nLin es	nSL OC	Comm ent Lines	Comp lex. Score	Capabiliti es
Q	contracts- RegistryV2/contracts/interfaces/IFacto ry.sol		1	14	7	3	2	3	
Q	contracts- RegistryV2/contracts/interfaces/IERC 721ABurnable.sol		1	21	20	4	13	5	
Q	contracts- RegistryV2/contracts/interfaces/IEvent .sol		1	12	7	3	2	7	
	contracts- RegistryV2/contracts/Registryv2.sol	1		433	419	311	23	414	Š ♣Ħ Σ
È	contracts- RegistryV2/contracts/lib/OrderInterfac e.sol	1		37	37	31	2	6	
	contracts- RegistryV2/contracts/Marketplace.sol	1		74	66	47	4	39	· · · · · · · · · · · · · · · · · · ·
)	contracts- RegistryV2/contracts/extensions/EIP7 12.sol	1		32	32	24	2	11	瓕
•	contracts- RegistryV2/contracts/extensions/ERC 721APausable.sol	1		20	15	9	2	8	



Туре	File	Logic Contracts	Interface s	Lin es	nLin es	nSL OC	Comm ent Lines	Comp lex. Score	Capabiliti es
	contracts- RegistryV2/contracts/extensions/ERC 721A.sol	1	1	816	764	338	338	296	Ψ∜∜ Σ
%	contracts- RegistryV2/contracts/extensions/ERC 721ABurnable.sol	1		25	25	8	14	8	
t d are	contracts- RegistryV2/contracts/Registry.sol	1		317	304	232	12	291	\$
	contracts- RegistryV2/contracts/Event.sol	1		56	51	39	2	36	***
the state of the s	contracts- RegistryV2/contracts/Factory.sol	1		55	43	32	2	45	<u> </u>
	Totals	10	8	223 8	194 4	1153	601	1211	

Legend: [-]

- Lines: total lines of the source unit
- nLines: normalized lines of the source unit (e.g. normalizes functions spanning multiple lines)
- nSLOC: normalized source lines of code (only source-code lines; no comments, no blank lines)
- Comment Lines: lines containing single or block comments
- Complexity Score: a custom complexity score derived from code statements that are known to introduce code complexity (branches, loops, calls, external interfaces, ...)



6. Scope of Work

The NFT-Tix Team provided us with the files that needs to be tested. The scope of the audit are the Event Factory contracts.

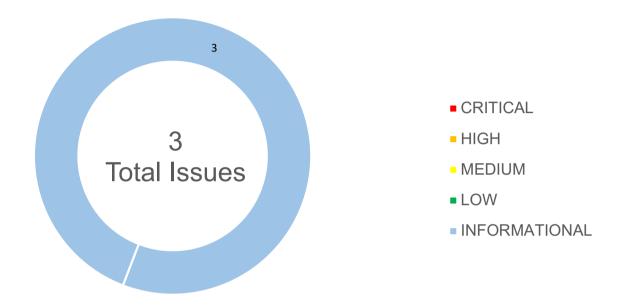
The team put forward the following assumptions regarding the security, usage of the contracts:

- The contract is using and ERC standard for NFTs
- The smart contract is coded according to the newest standards and in a secure way.

The main goal of this audit was to verify these claims. The auditors can provide additional feedback on the code upon the client's request.



6.1 Findings Overview



No	Title	Severity	Status
6.2.1	Floating Pragma Version Identified	INFORMATIONAL	ACKNOWLEDGED
6.2.2	Storing Data Via baseURI	INFORMATIONAL	ACKNOWLEDGED
6.2.3	Missing Natspec Documentation	INFORMATIONAL	ACKNOWLEDGED



6.2 Manual and Automated Vulnerability Test

CRITICAL ISSUES

During the audit, Chainsulting's experts found **0 Critical issues** in the code of the smart contract.

HIGH ISSUES

During the audit, Chainsulting's experts found 0 High issues in the code of the smart contract.

MEDIUM ISSUES

During the audit, Chainsulting's experts found **0 Medium issues** in the code of the smart contract.

LOW ISSUES

During the audit, Chainsulting's experts found **0 Low issues** in the code of the smart contract.

INFORMATIONAL ISSUES

During the audit, Chainsulting's experts found 3 Informational issues in the code of the smart contract.

6.2.1 Floating Pragma Version Identified

Severity: INFORMATIONAL Status: ACKNOWLEDGED

Code: SWC-103 File(s) affected: ALL

Update: We will specify a fixed version in one of our next updates. Our updates run in batches for practical reasons, so this will be

applied in the near future. We are fine with this at the moment.



Attack / Description	It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.
Code	Line 1 pragma solidity >0.8.0; pragma solidity ^0.8.0;
Result/Recommendation	It is recommended to follow the latter example, as future compiler versions may handle certain language constructions in a way the developer did not foresee. It is advised that floating pragma should not be used in production. Both truffle-config.js and hardhat.config.js support locking the pragma version. i.e. Pragma solidity 0.8.0

6.2.2 Storing Data Via baseURI

Severity: INFORMATIONAL Status: ACKNOWLEDGED

Code: NA

File(s) affected: Event.sol

Update: We have a proxy function on our backend that is handling all the files and uploading them to IPFS. Owner/creator in this case is us and it is required for us to be able to have this control. This is working as intended.

Attack / Description	In the current implementation the baseURI is not hardcoded or on-chain generated, means the owner/creator is free to choose the way how the metadata file is stored.
Code	<pre>Line 102 - 104 (Event.sol) function _baseURI() internal view virtual override returns (string memory) { return _baseTokenURI; }</pre>
Result/Recommendation	We recommend using IPFS and pinning services to make the metadata behind the baseURI permanently stored or implement into the event creation service.



To ensure that data persists on IPFS, and is not deleted during garbage collection, data can be pinned to one or more IPFS nodes. Pinning gives you control over disk space and data retention. As such, you should use that control to pin any content you wish to keep on IPFS indefinitely.

Check more information here:
https://docs.ipfs.io/concepts/persistence/#persistence-versus-permanence

Keep in mind even if you use an IPFS Service, the file will only exist as long if it is "pinned". And you still may need a dedicated gateway to serve your files with a decent speed, which may lead to your metadata requests timing out in the future.

Please investigate SVG generated on-chain visuals and on-chain stored metadata, for persistent

6.2.3 Missing Natspec Documentation

Severity: INFORMATIONAL Status: ACKNOWLEDGED

Code: NA

File(s) affected: Registry.sol, Factory.sol

Update: This is also something we will roll out in the future as part of documenting the final version.

storage.

Attack / Description	Solidity contracts can use a special form of comments to provide rich documentation for function, return variables, and more. This special form is named Ethereum Natural Language Specification Format(NatSpec).
Code	
Result/Recommendation	



It is recommended to include natspec documentation and follow the doxygen style including @author, @title, @notice, @dev, @param, @return and make it easier to review and understand your smart contract.

6.3 SWC Attacks

ID	Title	Relationships	Test Result
SWC-131	Presence of unused variables	CWE-1164: Irrelevant Code	<u>~</u>
<u>SWC-130</u>	Right-To-Left-Override control character (U+202E)	CWE-451: User Interface (UI) Misrepresentation of Critical Information	
SWC-129	Typographical Error	CWE-480: Use of Incorrect Operator	<u>~</u>
SWC-128	DoS With Block Gas Limit	CWE-400: Uncontrolled Resource Consumption	<u>~</u>
<u>SWC-127</u>	Arbitrary Jump with Function Type Variable	CWE-695: Use of Low-Level Functionality	
SWC-125	Incorrect Inheritance Order	CWE-696: Incorrect Behavior Order	<u>~</u>



ID	Title	Relationships	Test Result
<u>SWC-124</u>	Write to Arbitrary Storage Location	CWE-123: Write-what-where Condition	✓
SWC-123	Requirement Violation	CWE-573: Improper Following of Specification by Caller	
SWC-122	Lack of Proper Signature Verification	CWE-345: Insufficient Verification of Data Authenticity	✓
<u>SWC-121</u>	Missing Protection against Signature Replay Attacks	CWE-347: Improper Verification of Cryptographic Signature	<u>~</u>
SWC-120	Weak Sources of Randomness from Chain Attributes	CWE-330: Use of Insufficiently Random Values	✓
SWC-119	Shadowing State Variables	CWE-710: Improper Adherence to Coding Standards	<u> </u>
SWC-118	Incorrect Constructor Name	CWE-665: Improper Initialization	<u>~</u>
SWC-117	Signature Malleability	CWE-347: Improper Verification of Cryptographic Signature	<u>~</u>
SWC-116	Timestamp Dependence	CWE-829: Inclusion of Functionality from Untrusted Control Sphere	<u>~</u>



ID	Title	Relationships	Test Result
SWC-115	Authorization through tx.origin	CWE-477: Use of Obsolete Function	<u>~</u>
<u>SWC-114</u>	Transaction Order Dependence	CWE-362: Concurrent Execution using Shared Resource with Improper Synchronization ('Race Condition')	✓
<u>SWC-113</u>	DoS with Failed Call	CWE-703: Improper Check or Handling of Exceptional Conditions	~
SWC-112	Delegatecall to Untrusted Callee	CWE-829: Inclusion of Functionality from Untrusted Control Sphere	✓
<u>SWC-111</u>	Use of Deprecated Solidity Functions	CWE-477: Use of Obsolete Function	<u> </u>
SWC-110	Assert Violation	CWE-670: Always-Incorrect Control Flow Implementation	✓
SWC-109	Uninitialized Storage Pointer	CWE-824: Access of Uninitialized Pointer	<u>~</u>
SWC-108	State Variable Default Visibility	CWE-710: Improper Adherence to Coding Standards	<u>~</u>
SWC-107	Reentrancy	CWE-841: Improper Enforcement of Behavioral Workflow	<u>~</u>
<u>SWC-106</u>	Unprotected SELFDESTRUCT Instruction	CWE-284: Improper Access Control	



ID	Title	Relationships	Test Result
SWC-105	Unprotected Ether Withdrawal	CWE-284: Improper Access Control	
SWC-104	Unchecked Call Return Value	CWE-252: Unchecked Return Value	<u>~</u>
SWC-103	Floating Pragma	CWE-664: Improper Control of a Resource Through its Lifetime	X
SWC-102	Outdated Compiler Version	CWE-937: Using Components with Known Vulnerabilities	<u>~</u>
SWC-101	Integer Overflow and Underflow	CWE-682: Incorrect Calculation	<u>~</u>
<u>SWC-100</u>	Function Default Visibility	CWE-710: Improper Adherence to Coding Standards	<u>~</u>



6.4. Verify Claims

6.4.1 The contract is using and ERC standard for NFTs

Status: tested and verified V

The contract is using an correctly implemented ERC-721 standard

6.4.2 The smart contract is coded according to the newest standards and in a secure way.

Status: tested and verified

7. Executive Summary

Two (2) independent Chainsulting experts performed an unbiased and isolated audit of the smart contract codebase.

The main goal of the audit was to verify the claims regarding the security of the smart contract. During the audit, no critical, only three Informational issues have been found, after the manual and automated security testing. We advise the NFT-Tix team to implement the recommendations to further enhance the code's security and readability.

Update (07.02.2023): Re-check of the codebase has been successfully done, without any further findings. The focus have been on the changes of RegistryV2.sol and especially the following implementations:

- 1. Check eligibility method (checking on-chain ticket availability): https://docs.withpaper.com/reference/eligibilitymethod checkClaimEligibility method.
- 2. Mint method (function variable instead of msg.sender): https://docs.withpaper.com/reference/mintmethod buyTickets method.



- 3. Platform/Creator gifting: giftTicket and creatorGift methods
- 4. Bulk withdrawal of royalties: royaltyCollectedForBatch method.
- 5. Collect royalties for organizer: withdrawRoyaltyFor method.

8. Deployed Smart Contract

VERIFIED

V1 https://etherscan.io/address/0xed73c43c27eef0a7c167d9597a1b4203dbafce95#code

V2 https://etherscan.io/address/0xA66cF0eEa8b8B49F9e0BAa0ad8ccB1366813e532#code



9. About the Auditor

Chainsulting is a professional software development firm, founded in 2017 and based in Germany. They show ways, opportunities, risks and offer comprehensive Web3 solutions. Their services include web3 development, security and consulting.

Chainsulting conducts code audits on market-leading blockchains such as Solana, Tezos, Ethereum, Binance Smart Chain, and Polygon to mitigate risk and instil trust and transparency into the vibrant crypto community. They have also reviewed and secure the smart contracts of many top DeFi projects.

Chainsulting currently secures \$100 billion in user funds locked in multiple DeFi protocols. The team behind the leading audit firm relies on their robust technical know-how in the web3 sector to deliver top-notch smart contract audit solutions, tailored to the clients' evolving business needs.

Check our website for further information: https://chainsulting.de



