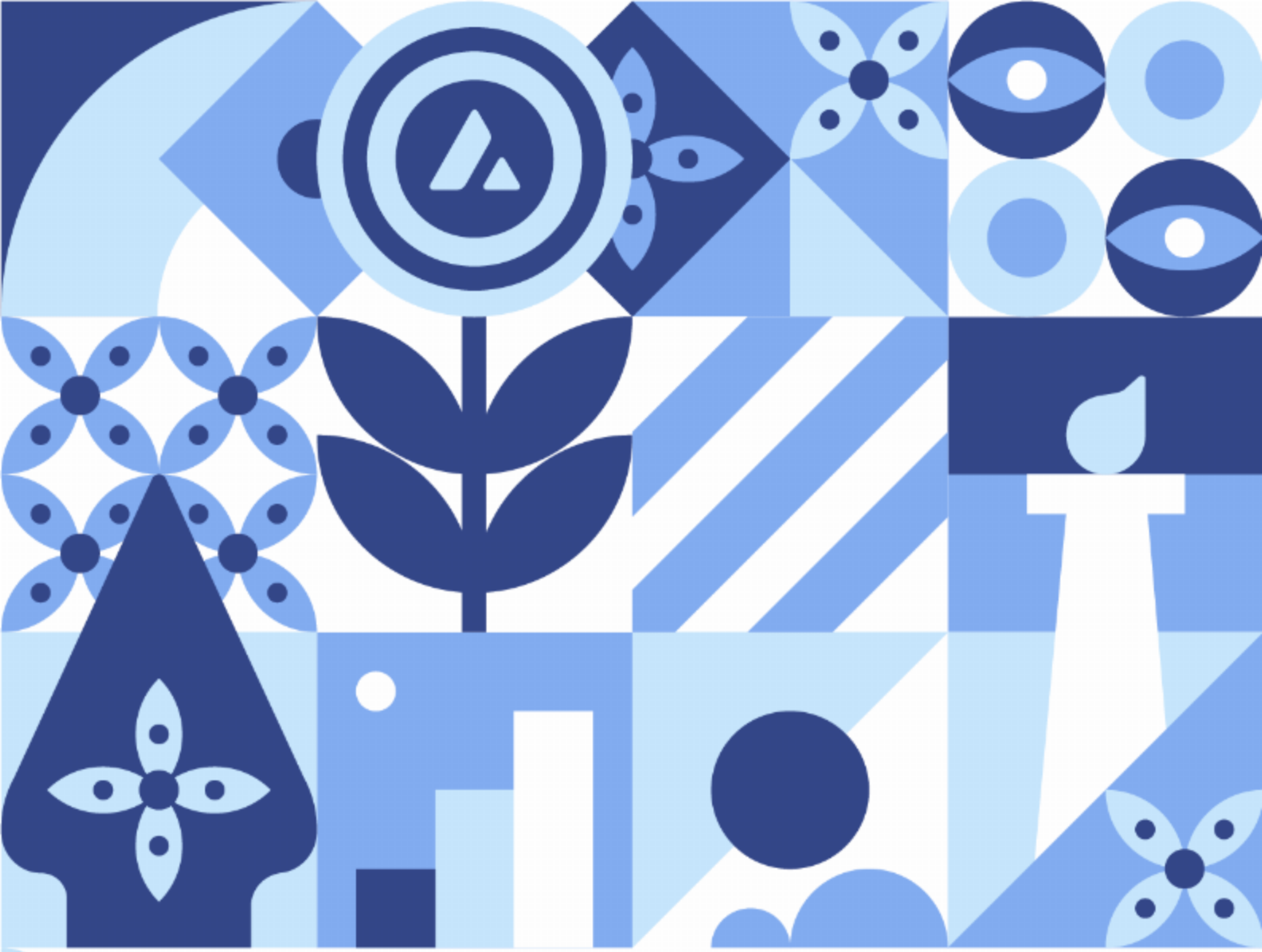

AKITAVAX

Smart Contract Audit Report

SYSFIXED

27 Nov 2021

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AUDITED DETAILS

Audited Project

Project name	Token ticker	Blockchain
AKITAVAX	AKITAX	Avalanche

Addresses

Contract address	0xE06fba763C2104dB5027F57f6A5Be0a0D86308af
Contract deployer address	0x203fa6a957665c208370B39Eaa1654C85122Ba16

Project Website

https://akitavax.com/

Codebase

https://snowtrace.io/address/0xE06fba763C2104dB5027F57f6A5Be0a0D86308af#code

SUMMARY

Akitavax is a community driven meme based cryptocurrency project that takes different approach on technologies served from other meme coins. Akitavax is not created as a common meme token project all critical decisions about the project are made by the founders, but it is created as a community meme token project that aims to involve all the enthusiasts to contribute in our social and artistic movement.

Contract Summary

Documentation Quality

AKITAVAX provides a very good documentation with standard of solidity base code.

- The technical description is provided clearly and structured and also dont have any high risk issue.

Code Quality

The Overall quality of the basecode is standard.

- Standard solidity basecode and rules are already followed by AKITAVAX with the discovery of several low issues.

Test Coverage

Test coverage of the project is 100% (Through Codebase)

Audit Findings Summary

- SWC-103 | Pragma statements can be allowed to float when a contract is intended on lines 10, 370, 398, 429, 499, 590, 623, 650, 875, 941, 1034, 1119, 1149, 1507, 1542 and 1587.

CONCLUSION

We have audited the AKITAVAX project released in November 2021 to discover issues and identify potential security vulnerabilities in NamaFile Project. This process is used to find technical issues and security loopholes which might be found in the smart contract.

The security audit report provides satisfactory results with low-risk issues.

The issues found in the AKITAVAX smart contract code do not pose a considerable risk. The writing of the contract is close to the standard of writing contracts in general. The low-risk issues found are some a floating pragma is set. 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.

AUDIT RESULT

Article	Category	Description	Result
Default Visibility	SWC-100 SWC-108	Functions and state variables visibility should be set explicitly. Visibility levels should be specified consciously.	PASS
Integer Overflow and Underflow	SWC-101	If unchecked math is used, all math operations should be safe from overflows and underflows.	PASS
Outdated Compiler Version	SWC-102	It is recommended to use a recent version of the Solidity compiler.	PASS
Floating Pragma	SWC-103	Contracts should be deployed with the same compiler version and flags that they have been tested thoroughly.	ISSUE FOUND
Unchecked Call Return Value	SWC-104	The return value of a message call should be checked.	PASS
Unprotected Ether Withdrawal	SWC-105	Due to missing or insufficient access controls, malicious parties can withdraw from the contract.	PASS
SELFDESTRUCT Instruction	SWC-106	The contract should not be self-destructible while it has funds belonging to users.	PASS
Reentrancy	SWC-107	Check effect interaction pattern should be followed if the code performs recursive call.	PASS
Uninitialized Storage Pointer	SWC-109	Uninitialized local storage variables can point to unexpected storage locations in the contract.	PASS
Assert Violation	SWC-110 SWC-123	Properly functioning code should never reach a failing assert statement.	PASS
Deprecated Solidity Functions	SWC-111	Deprecated built-in functions should never be used.	PASS
Delegate call to Untrusted Callee	SWC-112	Delegatecalls should only be allowed to trusted addresses.	PASS

DoS (Denial of Service)	SWC-113 SWC-128	Execution of the code should never be blocked by a specific contract state unless required.	PASS
Race Conditions	SWC-114	Race Conditions and Transactions Order Dependency should not be possible.	PASS
Authorization through tx.origin	SWC-115	tx.origin should not be used for authorization.	PASS
Block values as a proxy for time	SWC-116	Block numbers should not be used for time calculations.	PASS
Signature Unique ID	SWC-117 SWC-121 SWC-122	Signed messages should always have a unique id. A transaction hash should not be used as a unique id.	PASS
Incorrect Constructor Name	SWC-118	Constructors are special functions that are called only once during the contract creation.	PASS
Shadowing State Variable	SWC-119	State variables should not be shadowed.	PASS
Weak Sources of Randomness	SWC-120	Random values should never be generated from Chain Attributes or be predictable.	PASS
Write to Arbitrary Storage Location	SWC-124	The contract is responsible for ensuring that only authorized user or contract accounts may write to sensitive storage locations.	PASS
Incorrect Inheritance Order	SWC-125	When inheriting multiple contracts, especially if they have identical functions, a developer should carefully specify inheritance in the correct order. The rule of thumb is to inherit contracts from more /general/ to more /specific/.	PASS
Insufficient Gas Griefing	SWC-126	Insufficient gas griefing attacks can be performed on contracts which accept data and use it in a sub-call on another contract.	PASS
Arbitrary Jump Function	SWC-127	As Solidity doesnt support pointer arithmetics, it is impossible to change such variable to an arbitrary value.	PASS

Typographical Error	SWC-129	A typographical error can occur for example when the intent of a defined operation is to sum a number to a variable.	PASS
Override control character	SWC-130	Malicious actors can use the Right-To-Left-Override unicode character to force RTL text rendering and confuse users as to the real intent of a contract.	PASS
Unused variables	SWC-131 SWC-135	Unused variables are allowed in Solidity and they do not pose a direct security issue.	PASS
Unexpected Ether balance	SWC-132	Contracts can behave erroneously when they strictly assume a specific Ether balance.	PASS
Hash Collisions Variable	SWC-133	Using abi.encodePacked() with multiple variable length arguments can, in certain situations, lead to a hash collision.	PASS
Hardcoded gas amount	SWC-134	The transfer() and send() functions forward a fixed amount of 2300 gas.	PASS
Unencrypted Private Data	SWC-136	It is a common misconception that private type variables cannot be read.	PASS

SMART CONTRACT ANALYSIS

Started	Friday Nov 26 2021 16:53:13 GMT+0000 (Coordinated Universal Time)
Finished	Saturday Nov 27 2021 20:14:10 GMT+0000 (Coordinated Universal Time)
Mode	Standard
Main Source File	ERC20PresetMinterPauser.sol

Detected Issues

ID	Title	Severity	Status
SWC-103	A FLOATING PRAGMA IS SET.	low	acknowledged
SWC-103	A FLOATING PRAGMA IS SET.	low	acknowledged
SWC-103	A FLOATING PRAGMA IS SET.	low	acknowledged
SWC-103	A FLOATING PRAGMA IS SET.	low	acknowledged
SWC-103	A FLOATING PRAGMA IS SET.	low	acknowledged
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SWC-103	A FLOATING PRAGMA IS SET.	low	acknowledged

SWC-103	A FLOATING PRAGMA IS SET.	low	acknowledged
SWC-103	A FLOATING PRAGMA IS SET.	low	acknowledged

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 10

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". 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.

Source File

- ERC20PresetMinterPauser.sol

Locations

```
9
10  pragma solidity ^0.8.0;
11
12  /**
13  * @dev Library for managing
14
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 370

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". 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.

Source File

- ERC20PresetMinterPauser.sol

Locations

```
369
370   pragma solidity ^0.8.0;
371
372   /**
373   * @dev Interface of the ERC165 standard, as defined in the
374
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 398

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". 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.

Source File

- ERC20PresetMinterPauser.sol

Locations

```
397
398   pragma solidity ^0.8.0;
399
400
401   /**
402
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 429

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". 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.

Source File

- ERC20PresetMinterPauser.sol

Locations

```
428
429   pragma solidity ^0.8.0;
430
431   /**
432   * @dev String operations.
433
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 499

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". 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.

Source File

- ERC20PresetMinterPauser.sol

Locations

```
498
499   pragma solidity ^0.8.0;
500
501   /**
502   * @dev External interface of AccessControl declared to support ERC165 detection.
503
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 590

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". 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.

Source File

- ERC20PresetMinterPauser.sol

Locations

```
589
590   pragma solidity ^0.8.0;
591
592
593   /**
594
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 623

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". 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.

Source File

- ERC20PresetMinterPauser.sol

Locations

```
622
623   pragma solidity ^0.8.0;
624
625   /**
626   * @dev Provides information about the current execution context, including the
627
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 650

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". 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.

Source File

- ERC20PresetMinterPauser.sol

Locations

```
649
650   pragma solidity ^0.8.0;
651
652
653
654
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 875

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". 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.

Source File

- ERC20PresetMinterPauser.sol

Locations

```
874
875   pragma solidity ^0.8.0;
876
877
878
879
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 941

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". 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.

Source File

- ERC20PresetMinterPauser.sol

Locations

```
940
941   pragma solidity ^0.8.0;
942
943
944   /**
945
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 1034

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". 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.

Source File

- ERC20PresetMinterPauser.sol

Locations

```
1033
1034   pragma solidity ^0.8.0;
1035
1036   /**
1037   * @dev Interface of the ERC20 standard as defined in the EIP.
1038
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 1119

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". 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.

Source File

- ERC20PresetMinterPauser.sol

Locations

```
1118
1119   pragma solidity ^0.8.0;
1120
1121
1122   /**
1123
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 1149

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". 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.

Source File

- ERC20PresetMinterPauser.sol

Locations

```
1148
1149   pragma solidity ^0.8.0;
1150
1151
1152
1153
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 1507

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". 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.

Source File

- ERC20PresetMinterPauser.sol

Locations

```
1506
1507   pragma solidity ^0.8.0;
1508
1509
1510
1511
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 1542

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". 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.

Source File

- ERC20PresetMinterPauser.sol

Locations

```
1541
1542   pragma solidity ^0.8.0;
1543
1544
1545
1546
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 1587

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". 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.

Source File

- ERC20PresetMinterPauser.sol

Locations

```
1586
1587   pragma solidity ^0.8.0;
1588
1589
1590
1591
```

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