


BountySubmission Contract

DevDockAI Technical Specification
v1.0 | Ethereum Mainnet

Contract Metadata

Key	Value
Contract Type	Bounty Management
Solidity Version	0.8.0
License	MIT
Deployment Status	Verified 

On-Chain Verification

Contract Address
[0x86eff...ced8f0](#)

Deployment TX

```
json
Copy
{
  "TxHash": "0x29b78f6b2c3402e3c35c3e4931b80789815ab65a854580b6bc797658e5762af9",
  "Block": 7864776,
  "Deployer": "0x36202343369891109dd124290e89902a756e1663",
  "GasUsed": "1,129,261"
}
```

Visual Proof

This screenshot shows the Remix IDE interface with the 'DEPLOY & RUN TRANSACTIONS' sidebar on the left. The environment is set to 'WalletConnect' on the 'Sepolia (11155111) network'. The account address is '0x362...e1663 (0.0573169021...)'. The gas limit is set to 'Estimated Gas' with a custom value of '3000000'. The contract is 'BountySubmission - contracts/Bour...'. The 'Deploy' button is highlighted, and the 'At Address' button is also visible. The main panel displays the transaction details for block 7864776, transaction index 29. The transaction was successful, with a status of '0x1 Transaction mined and execution succeed'. The transaction hash is '0x29678f6b2c3402e3c35e4031b00780815ab05a05450860bc797658e5762af9'. The block hash is '0x1cbf30c908f815073451a20cb9c5a6322faa0a597c447d0dda55cae6ba4d7'. The block number is 7864776. The contract address is '0x86effa1b375d4e33aa56a24a48deb1cd81ced8f0'. The transaction cost is 1119211 gas. The decoded input is a JSON object: { "uint256_deadline": "1740787200" }. The decoded output is an empty array. The logs are also empty.

WalletConnect
0.000 0x36...6e1663

view on Etherscan view on Blockscout

[block:7864776 txIndex:29] from: 0x362...e1663 to: BountySubmission.(constructor) value: 0 wei data: 0x608...24e00 logs: 0

status 0x1 Transaction mined and execution succeed

transaction hash 0x29678f6b2c3402e3c35e4031b00780815ab05a05450860bc797658e5762af9

block hash 0x1cbf30c908f815073451a20cb9c5a6322faa0a597c447d0dda55cae6ba4d7

block number 7864776

contract address 0x86effa1b375d4e33aa56a24a48deb1cd81ced8f0

from 0x36282341369891109dd124290e89902a756e1663

to BountySubmission.(constructor)

gas 1129261 gas

transaction cost 1119211 gas

input 0x608...24e00

decoded input { "uint256_deadline": "1740787200" }

decoded output -

logs []

raw logs []

Debug

This screenshot shows the Remix IDE interface with the 'DEPLOY & RUN TRANSACTIONS' sidebar on the left. The environment is set to 'WalletConnect' on the 'Sepolia (11155111) network'. The account address is '0x362...e1663 (0.0573169021...)'. The gas limit is set to 'Estimated Gas' with a custom value of '3000000'. The contract is 'BountySubmission - contracts/Bour...'. The 'Deploy' button is highlighted, and the 'At Address' button is also visible. The main panel displays the transaction details for block 7864780, transaction index 52. The transaction is pending, with a status of '0x86f...9c6b5'. The transaction hash is '0x86f...9c6b5'. The block hash is '0x1cbf30c908f815073451a20cb9c5a6322faa0a597c447d0dda55cae6ba4d7'. The block number is 7864776. The contract address is '0x86effa1b375d4e33aa56a24a48deb1cd81ced8f0'. The transaction cost is 1119211 gas. The decoded input is a JSON object: { "uint256_deadline": "1740787200" }. The decoded output is an empty array. The logs are also empty. The status bar at the bottom indicates 'creation of BountySubmission pending...'.

WalletConnect
0.000 0x36...6e1663

view on Etherscan view on Blockscout

[block:7864780 txIndex:52] from: 0x362...e1663 to: BountySubmission.(constructor) value: 0 wei data: 0x608...24e00 logs: 0

hash: 0x86f...9c6b5

status 0x86f...9c6b5

transaction hash 0x86f...9c6b5

block hash 0x1cbf30c908f815073451a20cb9c5a6322faa0a597c447d0dda55cae6ba4d7

block number 7864776

contract address 0x86effa1b375d4e33aa56a24a48deb1cd81ced8f0

from 0x36282341369891109dd124290e89902a756e1663

to BountySubmission.(constructor)

gas 1129261 gas

transaction cost 1119211 gas

input 0x608...24e00

decoded input { "uint256_deadline": "1740787200" }

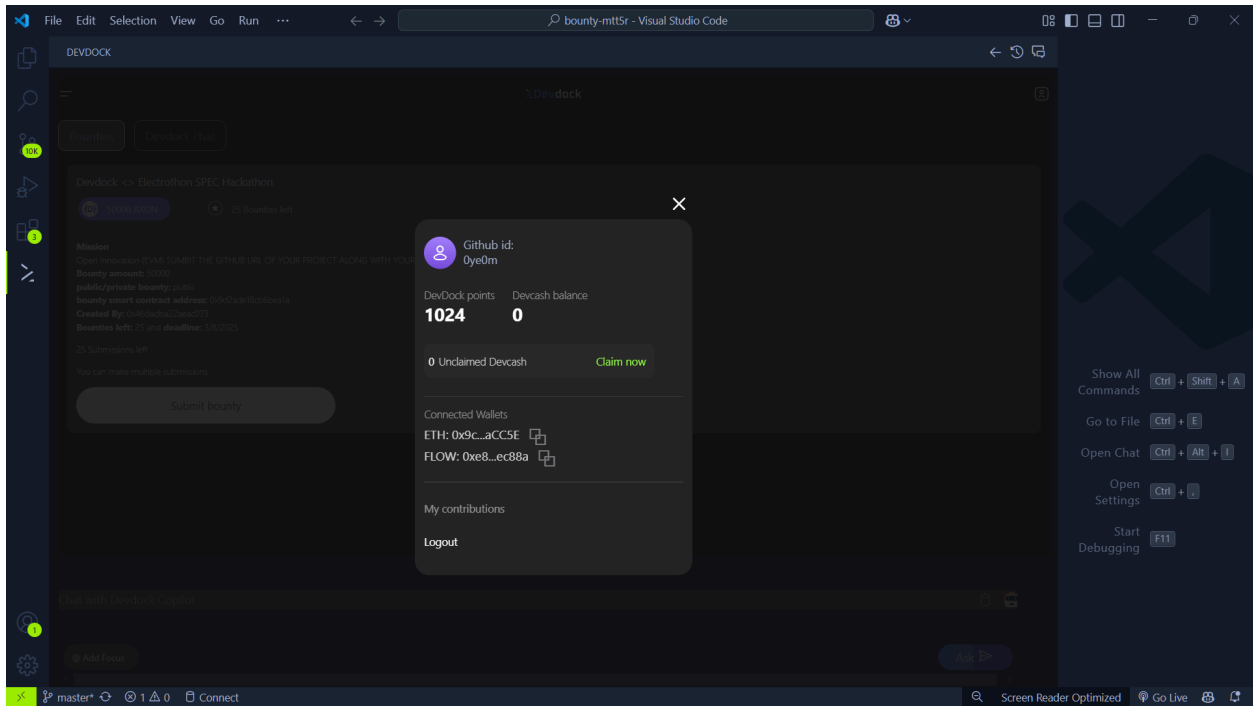
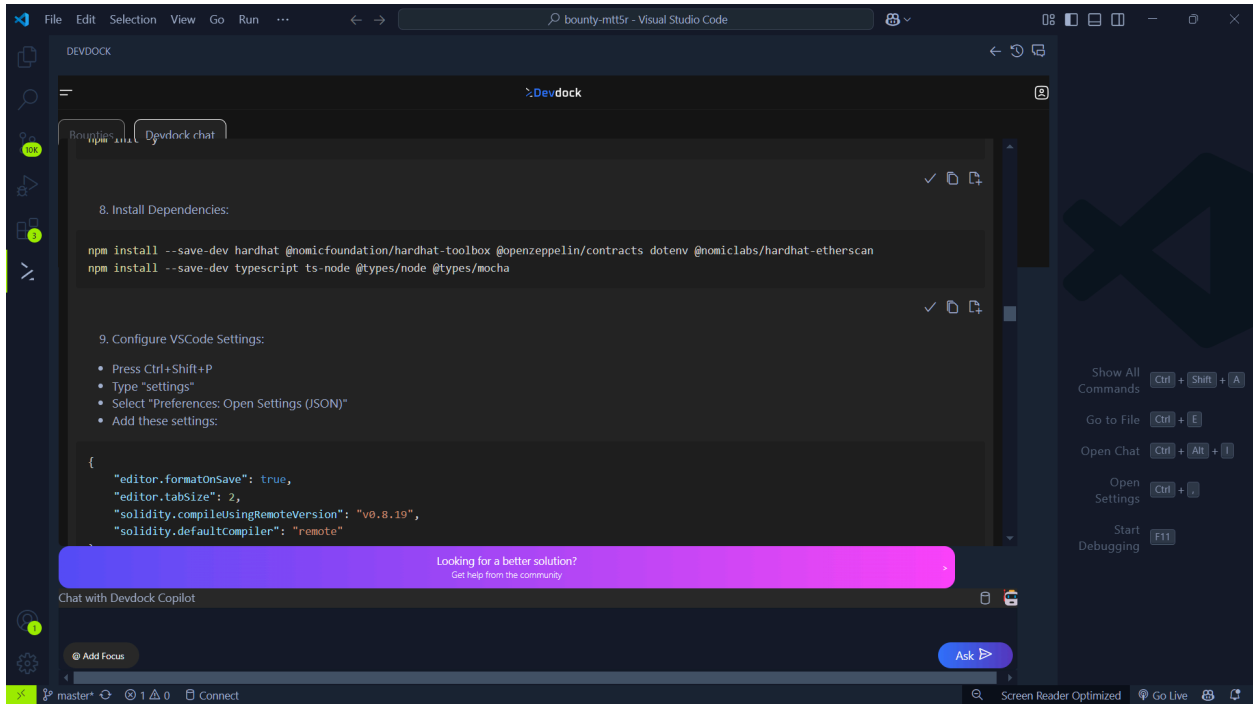
decoded output -

logs []

raw logs []

creation of BountySubmission pending...

Debug



Core Mechanics

State Variables

Variable	Type	Description
<code>submissionsLeft</code>	<code>uint256</code>	Remaining submission slots (Initial: 25)
<code>deadline</code>	<code>uint256</code>	Submission cutoff timestamp
<code>BOUNTY_AMOUNT</code>	<code>uint256</code>	Fixed at 50,000 (ERC-20 assumed)

Access Control

- **Owner:** `0x36202343369891109dd124290e89902a756e1663`
 - Privileged Functions: `setDeadline()`
-

Function Matrix

1. submitBounty()

solidity

Copy

function submitBounty(string _githubUrl, string _telegramId) external

Checks

- `block.timestamp <= deadline`
- `submissionsLeft > 0`
- `!hasSubmitted[msg.sender]`

Gas Considerations

- ~50k gas per submission (estimated)

2. getAllSubmissions()

solidity

Copy

function getAllSubmissions() view returns (Submission[] memory)

Output Schema

json

Copy

```
{
  "githubUrl": "string",
  "telegramId": "string",
  "submitter": "address"
}
```

3. setDeadline()

solidity

Copy

function setDeadline(uint256 _newDeadline) external onlyOwner

Usage Example

javascript

Copy

```
// Convert June 30 2025 00:00 UTC to UNIX
await contract.setDeadline(1753891200);
```

Data Model

Submission Struct

Field	Type	Validation
githubUrl	string	Non-empty string
telegramId	string	Non-empty string

submitter	address	Ethereum
-----------	---------	----------

Storage Layout

- **submissions:** Array (Max 25 entries)
 - **hasSubmitted:** Address → Boolean mapping
-

Security Audit Points

1. **Reentrancy:** Not applicable (no external calls)
 2. **Frontrunning:** Mitigated by `hasSubmitted` mapping
 3. **Data Exposure:** All submissions permanently public
 4. **Owner Power:** Single-admin model (consider multisig)
-



Our Code Homebase:

<https://github.com/0ye0m/AbosoluteExamAI-DevDockBOUNTY>



Telegram IDs:

- [@om1626](#)
- [@yashdhokane12](#)
- [@TanmaySayare](#)