

1. Proxy.sol

[manticore](#) /home/profganeshteam/Tools/FlattenedContracts/Proxy.sol

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ [manticore](#) /home/profganeshteam/Tools/FlattenedContracts/Proxy.sol

```
2020-01-20 02:50:07,438: [47360] m.main:INFO: Registered plugins: DetectUnusedRetVal,
DetectInvalid, DetectSuicidal, DetectDelegatecall, DetectExternalCallAndLeak,
DetectEnvInstruction, DetectIntegerOverflow, DetectUninitializedStorage,
DetectManipulableBalance, DetectUninitializedMemory, DetectReentrancySimple,
DetectReentrancyAdvanced, <class 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>
```

```
2020-01-20 02:50:07,439: [47360] m.main:INFO: Beginning analysis
```

```
2020-01-20 02:50:07,442: [47360] m.e.manticore:INFO: Starting symbolic create contract
```

```
2020-01-20 02:50:13,150: [47451] m.e.detectors:WARNING: Potentially reading uninitialized
memory at instruction (address: 1229884253799451225025953330486468072706417820521,
offset 352)
```

```
2020-01-20 02:50:13,268: [47451] m.e.detectors:WARNING: Delegatecall to user controlled
address
```

```
2020-01-20 02:50:13,313: [47451] m.e.detectors:WARNING: Delegatecall to user controlled
function
```

```
2020-01-20 02:50:13,477: [47452] m.c.worker:ERROR: Exception in state 2:
NotImplementedError('__bool__ for Bool',)
```

Traceback (most recent call last):

```
File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 121, in run
    current_state.execute()
File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/state.py", line 6, in execute
    return self._platform.execute()
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2779, in
execute
    self._process_pending_transaction()
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 3035, in
_process_pending_transaction
    self._close_transaction("STOP")
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2457, in
_close_transaction
    self._publish("did_close_transaction", tx)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 146, in _publish
    self._publish_impl(_name, *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 163, in
_publish_impl
    sink._publish_impl(_name, *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 161, in
_publish_impl
    sink._publish_impl(_name, self, *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 154, in
```

```

_publish_impl
    callback(robj(), *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/detectors.py", line 332, in
did_close_transaction_callback
    if tx.gas > 2300:
File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/expression.py", line 215, in
__bool__
    raise NotImplementedError("__bool__ for Bool")
NotImplementedError: __bool__ for Bool
2020-01-20 02:50:13,477: [47455] m.c.worker:ERROR: Exception in state 4:
NotImplementedError('__bool__ for Bool',)
Traceback (most recent call last):
File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 121, in run
    current_state.execute()
File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/state.py", line 6, in execute
    return self._platform.execute()
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2779, in
execute
    self._process_pending_transaction()
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 3035, in
_process_pending_transaction
    self._close_transaction("STOP")
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2457, in
_close_transaction
    self._publish("did_close_transaction", tx)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 146, in _publish
    self._publish_impl(_name, *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 163, in
_publish_impl
    sink._publish_impl(_name, *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 161, in
_publish_impl
    sink._publish_impl(_name, self, *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 154, in
_publish_impl
    callback(robj(), *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/detectors.py", line 332, in
did_close_transaction_callback
    if tx.gas > 2300:
File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/expression.py", line 215, in
__bool__
    raise NotImplementedError("__bool__ for Bool")
NotImplementedError: __bool__ for Bool

```

2020-01-20 02:50:13,551: [47454] m.c.worker:ERROR: Exception in state 3:
NotImplementedError('__bool__ for Bool',)

Traceback (most recent call last):

```
File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 121, in run
    current_state.execute()
File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/state.py", line 6, in execute
    return self._platform.execute()
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2779, in
execute
    self._process_pending_transaction()
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 3035, in
_process_pending_transaction
    self._close_transaction("STOP")
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2457, in
_close_transaction
    self._publish("did_close_transaction", tx)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 146, in _publish
    self._publish_impl(_name, *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 163, in
_publish_impl
    sink._publish_impl(_name, *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 161, in
_publish_impl
    sink._publish_impl(_name, self, *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 154, in
_publish_impl
    callback(robject(), *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/detectors.py", line 332, in
did_close_transaction_callback
    if tx.gas > 2300:
File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/expression.py", line 215, in
__bool__
    raise NotImplementedError("__bool__ for Bool")
NotImplementedError: __bool__ for Bool
```

2020-01-20 02:50:13,630: [47456] m.c.worker:ERROR: Exception in state 5:
NotImplementedError('__bool__ for Bool',)

Traceback (most recent call last):

```
File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 121, in run
    current_state.execute()
File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/state.py", line 6, in execute
    return self._platform.execute()
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2779, in
```

```

execute
    self._process_pending_transaction()
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 3035, in
_process_pending_transaction
    self._close_transaction("STOP")
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2457, in
_close_transaction
    self._publish("did_close_transaction", tx)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 146, in _publish
    self._publish_impl(_name, *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 163, in
_publish_impl
    sink._publish_impl(_name, *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 161, in
_publish_impl
    sink._publish_impl(_name, self, *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 154, in
_publish_impl
    callback(robj(), *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/detectors.py", line 332, in
did_close_transaction_callback
    if tx.gas > 2300:
File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/expression.py", line 215, in
__bool__
    raise NotImplementedError("__bool__ for Bool")
NotImplementedError: __bool__ for Bool

```

2020-01-20 02:50:13,705: [47450] m.c.worker:ERROR: Exception in state 0:
NotImplementedError('__bool__ for Bool',)

Traceback (most recent call last):

```

File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 121, in run
    current_state.execute()
File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/state.py", line 6, in execute
    return self._platform.execute()
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2779, in
execute
    self._process_pending_transaction()
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 3035, in
_process_pending_transaction
    self._close_transaction("STOP")
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2457, in
_close_transaction
    self._publish("did_close_transaction", tx)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 146, in _publish

```

```

        self._publish_impl(_name, *args, **kwargs)
File    "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 163, in
_publish_impl
    sink._publish_impl(_name, *args, **kwargs)
File    "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 161, in
_publish_impl
    sink._publish_impl(_name, self, *args, **kwargs)
File    "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 154, in
_publish_impl
    callback(robj(), *args, **kwargs)
File    "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/detectors.py", line 332, in
did_close_transaction_callback
    if tx.gas > 2300:
File    "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/expression.py", line 215, in
__bool__
    raise NotImplementedError("__bool__ for Bool")
NotImplementedError: __bool__ for Bool

```

2020-01-20 02:50:13,764: [47457] m.c.worker:ERROR: Exception in state 6:
NotImplementedError('__bool__ for Bool',)

Traceback (most recent call last):

```

File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 121, in run
    current_state.execute()
File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/state.py", line 6, in execute
    return self._platform.execute()
File    "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2779, in
execute
    self._process_pending_transaction()
File    "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 3035, in
_process_pending_transaction
    self._close_transaction("STOP")
File    "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2457, in
_close_transaction
    self._publish("did_close_transaction", tx)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 146, in _publish
    self._publish_impl(_name, *args, **kwargs)
File    "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 163, in
_publish_impl
    sink._publish_impl(_name, *args, **kwargs)
File    "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 161, in
_publish_impl
    sink._publish_impl(_name, self, *args, **kwargs)
File    "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 154, in
_publish_impl

```

```

        callback(robj(), *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/detectors.py", line 332, in
did_close_transaction_callback
    if tx.gas > 2300:
File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/expression.py", line 215, in
__bool__
    raise NotImplementedError("__bool__ for Bool")
NotImplementedError: __bool__ for Bool

```

2020-01-20 02:50:13,809: [47458] m.c.worker:ERROR: Exception in state 7:
NotImplementedError('__bool__ for Bool'),

Traceback (most recent call last):

```

File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 121, in run
    current_state.execute()
File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/state.py", line 6, in execute
    return self._platform.execute()
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2779, in
execute
    self._process_pending_transaction()
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 3035, in
_process_pending_transaction
    self._close_transaction("STOP")
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2457, in
_close_transaction
    self._publish("did_close_transaction", tx)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 146, in _publish
    self._publish_impl(_name, *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 163, in
_publish_impl
    sink._publish_impl(_name, *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 161, in
_publish_impl
    sink._publish_impl(_name, self, *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 154, in
_publish_impl
    callback(robj(), *args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/detectors.py", line 332, in
did_close_transaction_callback
    if tx.gas > 2300:
File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/expression.py", line 215, in
__bool__
    raise NotImplementedError("__bool__ for Bool")
NotImplementedError: __bool__ for Bool

```

2020-01-20 02:50:13,872: [47360] m.e.manticore:INFO: Failed to compile contract []
2020-01-20 02:50:13,873: [47360] m.e.manticore:INFO: Failed to create contract: exception in constructor
2020-01-20 02:50:14,072: [47360] m.c.manticore:INFO: Results in
/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_n1ahnj
tx

2. RToken.sol

manticore /home/profganeshteam/Tools/FlattenedContracts/RToken.sol
profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticore
/home/profganeshteam/Tools/FlattenedContracts/RToken.sol
2020-01-20 03:05:08,150: [49615] m.main:INFO: Registered plugins: DetectReentrancySimple,
DetectIntegerOverflow, DetectReentrancyAdvanced, DetectSuicidal, DetectInvalid, DetectDelegatecall,
DetectExternalCallAndLeak, DetectUnusedRetVal, <class
'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectEnvInstruction, DetectManipulableBalance,
DetectUninitializedStorage, DetectUninitializedMemory
2020-01-20 03:05:08,150: [49615] m.main:INFO: Beginning analysis
2020-01-20 03:05:08,154: [49615] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 03:05:10,146: [49615] m.e.manticore:ERROR: Errors : Invalid solc compilation
/home/profganeshteam/Tools/FlattenedContracts/RToken.sol:210:1: Warning: Experimental features are turned on.
Do not use experimental features on live deployments.
pragma experimental ABIEncoderV2;
^-----^
/home/profganeshteam/Tools/FlattenedContracts/RToken.sol:536:1: Error: Duplicate experimental feature name.
pragma experimental ABIEncoderV2;
^-----^
/home/profganeshteam/Tools/FlattenedContracts/RToken.sol:946:1: Error: Duplicate experimental feature name.
pragma experimental ABIEncoderV2;
^-----^

. Solidity failed to generate bytecode for your contract. Check if all the abstract functions are implemented.
2020-01-20 03:05:10,309: [49695] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?) (0
txs)
2020-01-20 03:05:10,357: [49615] m.c.manticore:INFO: Results in
/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_yhzdobzg

3. MainframeStake.sol

manticore /home/profganeshteam/Tools/FlattenedContracts/MainframeStake.sol
profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContr acts\$ manticore
/home/profganeshteam/Tools/FlattenedContracts/MainframeStake.sol
2020-01-20 03:08:27,281: [50125] m.main:INFO: Registered plugins: DetectUninitia lizedMemory,
DetectInvalid, DetectReentrancySimple, DetectReentrancyAdvanced, De tectIntegerOverflow,
DetectUnusedRetVal, DetectSuicidal, DetectDelegatecall, Det ectExternalCallAndLeak,
DetectEnvInstruction, <class 'manticore.ethereum.plugins .KeepOnlyIfStorageChanges'>,

```

DetectManipulableBalance, DetectUninitializedStorage
2020-01-20 03:08:27,282: [50125] m.main:INFO: Beginning analysis
2020-01-20 03:08:27,286: [50125] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 03:08:28,684: [50125] m.e.manticore:ERROR: Errors : Invalid solc compilation
/home/profganeshteam/Tools/FlattenedContracts/MainframeStake.sol:1061:1: Error: Source file requires
different compiler version (current compiler is 0.5.11+commit.22be8592.Linux.g++ - note that nightly
builds are considered to be strictly less than the released version
pragma solidity ^0.4.21;
^-----^

```

. Solidity failed to generate bytecode for your contract. Check if all the abstract functions are implemented.

```

2020-01-20 03:08:28,849: [50207] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE
RESULT (?) (0 txs)

```

```

2020-01-20 03:08:28,918: [50125] m.c.manticore:INFO: Results in /home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_3npjfmwd

```

4. tokensalechallenge.sol

[manticore /home/profganeshteam/Tools/FlattenedContracts/tokensalechallenge.sol](#)

```

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts$ manticore
/home/profganeshteam/Tools/FlattenedContracts/tokensalechallenge.sol

```

```

2020-01-20 03:11:38,040: [50633] m.main:INFO: Registered plugins: DetectReentrancyAdvanced,
DetectUnusedRetVal, DetectSuicidal, DetectInvalid, DetectDelegatecall, <class
'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectExternalCallAndLeak, DetectIntegerOverflow,
DetectEnvInstruction, DetectManipulableBalance, DetectUninitializedStorage, DetectUninitializedMemory,
DetectReentrancySimple

```

```

2020-01-20 03:11:38,041: [50633] m.main:INFO: Beginning analysis

```

```

2020-01-20 03:11:38,045: [50633] m.e.manticore:INFO: Starting symbolic create contract

```

```

2020-01-20 03:11:39,783: [50633] m.e.manticore:INFO: Starting symbolic transaction: 0

```

```

2020-01-20 03:16:10,158: [50981] m.c.worker:ERROR: Exception in state 9: SolverError('Timeout')

```

Traceback (most recent call last):

```

File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 121, in run
    current_state.execute()
File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/state.py", line 6, in execute
    return self._platform.execute()
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2783, in execute
    self.current_vm.execute()
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 1237, in execute
    "Concretize PC", expression=expression, setstate=setstate, policy="ALL"
manticore.core.state.Concretize

```

During handling of the above exception, another exception occurred:

Traceback (most recent call last):


```

File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 142, in run
    m._fork(current_state, exc.expression, exc.policy, exc.setstate)
File "/usr/local/lib/python3.6/dist-packages/manticore/core/manticore.py", line 338, in _fork
    solutions = state.concretize(expression, policy)
File "/usr/local/lib/python3.6/dist-packages/manticore/core/state.py", line 276, in concretize
    self._constraints, symbolic, maxcnt=maxcount, silent=True
File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/solver.py", line 464, in get_all_values
    raise SolverError("Timeout")
manticore.exceptions.SolverError: Timeout

```

5. StakeInterface.sol

[manticore /home/profganeshteam/Tools/FlattenedContracts/StakeInterface.sol](#)

```

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts$ manticore
/home/profganeshteam/Tools/FlattenedContracts/StakeInterface.sol
2020-01-20 03:27:41,857: [52321] m.main:INFO: Registered plugins: DetectReentrancyAdvanced,
DetectUnusedRetVal, DetectSuicidal, DetectInvalid, DetectDelegatecall, DetectExternalCallAndLeak,
DetectIntegerOverflow, DetectEnvInstruction, <class 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>,
DetectManipulableBalance, DetectUninitializedStorage, DetectUninitializedMemory, DetectReentrancySimple
2020-01-20 03:27:41,858: [52321] m.main:INFO: Beginning analysis
2020-01-20 03:27:41,862: [52321] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 03:27:44,756: [52321] m.e.manticore:ERROR: Errors : Invalid solc compilation
/home/profganeshteam/Tools/FlattenedContracts/StakeInterface.sol:4:1: Error: Source file requires different
compiler version (current compiler is 0.5.11+commit.22be8592.Linux.g++ - note that nightly builds are considered
to be strictly less than the released version
pragma solidity ^0.4.21;
^-----^

```

```

. Solidity failed to generate bytecode for your contract. Check if all the abstract functions are implemented.
2020-01-20 03:27:45,139: [52404] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?) (0
txs)
2020-01-20 03:27:45,177: [52321] m.c.manticore:INFO: Results in
/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_lin3py18

```

6. RTokenStructs.sol

[manticore /home/profganeshteam/Tools/FlattenedContracts/RTokenStructs.sol](#)

```

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts$ manticore
/home/profganeshteam/Tools/FlattenedContracts/RTokenStructs.sol
2020-01-20 03:28:59,516: [52695] m.main:INFO: Registered plugins: DetectReentrancyAdvanced,
DetectUnusedRetVal, DetectSuicidal, DetectInvalid, DetectDelegatecall, <class
'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectExternalCallAndLeak, DetectIntegerOverflow,
DetectEnvInstruction, DetectManipulableBalance, DetectUninitializedStorage, DetectUninitializedMemory,
DetectReentrancySimple
2020-01-20 03:28:59,516: [52695] m.main:INFO: Beginning analysis
2020-01-20 03:28:59,521: [52695] m.e.manticore:INFO: Starting symbolic create contract

```

```

2020-01-20 03:29:00,969: [52695] m.e.manticore:INFO: Starting symbolic transaction: 0
2020-01-20 03:29:01,407: [52695] m.e.manticore:INFO: 0 alive states, 2 terminated states
2020-01-20 03:29:01,458: [52695] m.e.manticore:INFO: Starting symbolic transaction: 1
2020-01-20 03:29:01,620: [53265] m.c.manticore:INFO: Generated testcase No. 0 - RETURN(1 txs)
2020-01-20 03:29:01,627: [53266] m.c.manticore:INFO: Generated testcase No. 1 - REVERT(2 txs)
2020-01-20 03:29:02,181: [52695] m.c.manticore:INFO: Results in
/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_izdkk84i

```

7. RTokenStorage.sol

[manticore /home/profganeshteam/Tools/FlattenedContracts/RTokenStorage.sol](#)

```

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts$ manticore
/home/profganeshteam/Tools/FlattenedContracts/RTokenStorage.sol

```

```

2020-01-20 03:30:29,299: [53636] m.main:INFO: Registered plugins: DetectUnusedRetVal, DetectSuicidal,
DetectUninitializedStorage, DetectDelegatecall, DetectInvalid, DetectExternalCallAndLeak, <class
'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectEnvInstruction, DetectUninitializedMemory,
DetectIntegerOverflow, DetectManipulableBalance, DetectReentrancySimple, DetectReentrancyAdvanced

```

```

2020-01-20 03:30:29,299: [53636] m.main:INFO: Beginning analysis

```

```

2020-01-20 03:30:29,305: [53636] m.e.manticore:INFO: Starting symbolic create contract

```

```

2020-01-20 03:30:29,706: [53636] m.e.manticore:ERROR: Errors : Invalid solc compilation
/home/profganeshteam/Tools/FlattenedContracts/RTokenStorage.sol:181:1: Warning: Experimental features are
turned on. Do not use experimental features on live deployments.

```

```

pragma experimental ABIEncoderV2;

```

```

^-----^

```

```

/home/profganeshteam/Tools/FlattenedContracts/RTokenStorage.sol:507:1: Error: Duplicate experimental feature
name.

```

```

pragma experimental ABIEncoderV2;

```

```

^-----^

```

. Solidity failed to generate bytecode for your contract. Check if all the abstract functions are implemented.

```

2020-01-20 03:30:29,848: [53712] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?) (0
txs)

```

```

2020-01-20 03:30:29,900: [53636] m.c.manticore:INFO: Results in
/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_ijhem39z

```

8. ReentrancyGuard.sol

[manticore /home/profganeshteam/Tools/FlattenedContracts/ReentrancyGuard.sol](#)

```

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts$ manticore
/home/profganeshteam/Tools/FlattenedContracts/ReentrancyGuard.sol

```

```

2020-01-20 03:31:39,327: [54002] m.main:INFO: Registered plugins: DetectReentrancySimple,
DetectReentrancyAdvanced, DetectIntegerOverflow, <class
'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectSuicidal, DetectDelegatecall,
DetectExternalCallAndLeak, DetectInvalid, DetectUnusedRetVal, DetectEnvInstruction,
DetectManipulableBalance, DetectUninitializedStorage, DetectUninitializedMemory

```

```

2020-01-20 03:31:39,327: [54002] m.main:INFO: Beginning analysis

```

```

2020-01-20 03:31:39,332: [54002] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 03:31:39,441: [54002] m.e.manticore:ERROR: Errors : Invalid solc compilation
/home/profganeshteam/Tools/FlattenedContracts/ReentrancyGuard.sol:181:1: Warning: Experimental features are
turned on. Do not use experimental features on live deployments.
pragma experimental ABIEncoderV2;
^-----^

/home/profganeshteam/Tools/FlattenedContracts/ReentrancyGuard.sol:507:1: Error: Duplicate experimental
feature name.
pragma experimental ABIEncoderV2;
^-----^

. Solidity failed to generate bytecode for your contract. Check if all the abstract functions are implemented.
2020-01-20 03:31:39,571: [54078] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?) (0
txs)
2020-01-20 03:31:39,618: [54002] m.c.manticore:INFO: Results in
/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_fnpgy4jy

```

9. Proxiable.sol

```

manticore /home/profganeshteam/Tools/FlattenedContracts/Proxiable.sol
profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts$ manticore
/home/profganeshteam/Tools/FlattenedContracts/Proxiable.sol
2020-01-20 03:33:11,342: [54382] m.main:INFO: Registered plugins: DetectUninitializedStorage,
DetectManipulableBalance, DetectUninitializedMemory, DetectReentrancySimple, DetectInvalid, <class
'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectReentrancyAdvanced, DetectUnusedRetVal,
DetectIntegerOverflow, DetectSuicidal, DetectDelegatecall, DetectExternalCallAndLeak, DetectEnvInstruction
2020-01-20 03:33:11,342: [54382] m.main:INFO: Beginning analysis
2020-01-20 03:33:11,346: [54382] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 03:33:12,202: [54382] m.e.manticore:INFO: Starting symbolic transaction: 0
2020-01-20 03:33:13,098: [54382] m.e.manticore:INFO: 0 alive states, 4 terminated states
2020-01-20 03:33:13,222: [54382] m.e.manticore:INFO: Starting symbolic transaction: 1
2020-01-20 03:33:13,455: [55088] m.c.manticore:INFO: Generated testcase No. 0 - RETURN(1 txs)
2020-01-20 03:33:13,467: [55089] m.c.manticore:INFO: Generated testcase No. 1 - REVERT(2 txs)
2020-01-20 03:33:13,484: [55087] m.c.manticore:INFO: Generated testcase No. 2 - REVERT(2 txs)
2020-01-20 03:33:13,515: [55086] m.c.manticore:INFO: Generated testcase No. 3 - RETURN(2 txs)
2020-01-20 03:33:15,368: [54382] m.c.manticore:INFO: Results in
/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_cdoqs71u

```

10. Ownable.sol

```

manticore /home/profganeshteam/Tools/FlattenedContracts/Ownable.sol
profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts$ manticore
/home/profganeshteam/Tools/FlattenedContracts/Ownable.sol
2020-01-20 03:36:41,955: [55674] m.main:INFO: Registered plugins: DetectUnusedRetVal, DetectInvalid,
DetectSuicidal, DetectDelegatecall, DetectExternalCallAndLeak, <class
'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectEnvInstruction, DetectIntegerOverflow,

```

$$\wedge \text{-----} \wedge$$

```
2020-01-20      03:36:43,795:      [55674]      m.c.manticore:INFO:      Results      in
/home/profganesh/team/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_5eba036y
```

File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 1242, in execute

```

    result = self._handler(*arguments)
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 1115, in _handler
    return implementation(*arguments)
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 571, in wrapper
    return func(*args, **kwargs)
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 1594, in SHA3
    return self.world.symbolic_function(globalsha3, data)
File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2348, in symbolic_function
    data = self.try_simplify_to_constant(data)
File      "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py",      line      2334,      in
try_simplify_to_constant
    self.constraints, simplified, 2, silent=True
File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/solver.py", line 464, in get_all_values
    raise SolverError("Timeout")
manticore.exceptions.SolverError: Timeout
manticore /home/profganeshteam/Tools/FlattenedContracts/modifier_reentrancy.sol --contract Bank
profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts$ manticore
/home/profganeshteam/Tools/FlattenedContracts/modifier_reentrancy.sol --contract Bank
2020-01-20 03:54:06,399: [58130] m.main:INFO: Registered plugins: DetectIntegerOverflow,
DetectUninitializedStorage, DetectUninitializedMemory, DetectReentrancySimple, <class
'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectReentrancyAdvanced,
DetectManipulableBalance, DetectUnusedRetVal, DetectDelegatecall, DetectSuicidal,
DetectExternalCallAndLeak, DetectEnvInstruction, DetectInvalid
2020-01-20 03:54:06,399: [58130] m.main:INFO: Beginning analysis
2020-01-20 03:54:06,404: [58130] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 03:54:10,389: [58130] m.e.manticore:INFO: Starting symbolic transaction: 0
2020-01-20 03:54:11,473: [58485] m.e.manticore:INFO: Found a concrete globalsha3 b'Nu Token' ->
10640198540023178219521259454157394673522441459550755982131667567704052839025
2020-01-20 03:54:11,685: [58130] m.e.manticore:INFO: 0 alive states, 4 terminated states
2020-01-20 03:54:11,839: [58130] m.e.manticore:INFO: Starting symbolic transaction: 1
2020-01-20 03:54:12,133: [58923] m.c.manticore:INFO: Generated testcase No. 0 - RETURN(1 txs)
2020-01-20 03:54:12,144: [58924] m.c.manticore:INFO: Generated testcase No. 1 - REVERT(2 txs)
2020-01-20 03:54:12,161: [58921] m.c.manticore:INFO: Generated testcase No. 2 - REVERT(2 txs)
2020-01-20 03:54:12,198: [58927] m.c.manticore:INFO: Generated testcase No. 3 - RETURN(2 txs)
2020-01-20 03:54:14,305: [58130] m.c.manticore:INFO: Results in
/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_t5w78_8m

```

12. MainframeTokenDistribution.sol

```

manticore /home/profganeshteam/Tools/FlattenedContracts/MainframeTokenDistribution.sol
profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts$ manticore
/home/profganeshteam/Tools/FlattenedContracts/MainframeTokenDistribution.sol
2020-01-20 04:05:48,420: [60530] m.main:INFO: Registered plugins: DetectReentrancyAdvanced,
DetectUnusedRetVal, DetectSuicidal, DetectInvalid, DetectDelegatecall, DetectExternalCallAndLeak,
DetectIntegerOverflow, DetectEnvInstruction, DetectManipulableBalance, DetectUninitializedStorage,

```

```

DetectUninitializedMemory,                                DetectReentrancySimple,                                <class
'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>
2020-01-20 04:05:48,420: [60530] m.main:INFO: Beginning analysis
2020-01-20 04:05:48,425: [60530] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 04:05:50,455: [60530] m.e.manticore:ERROR: Errors : Invalid solc compilation
/home/profganeshteam/Tools/FlattenedContracts/MainframeTokenDistribution.sol:1061:1: Error:
Source file requires different compiler version (current compiler is
0.5.11+commit.22be8592.Linux.g++ - note that nightly builds are considered to be strictly less than the
released version
pragma solidity ^0.4.21;
^-----^

```

. Solidity failed to generate bytecode for your contract. Check if all the abstract functions are implemented.

```

2020-01-20 04:05:50,796: [60614] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE
RESULT (?) (0 txs)

```

```

2020-01-20 04:05:50,833: [60530] m.c.manticore:INFO: Results in
/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_f2p9ujh4

```

13. MainframeToken.sol

[manticore /home/profganeshteam/Tools/FlattenedContracts/MainframeToken.sol](#)

```

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts$ manticore
/home/profganeshteam/Tools/FlattenedContracts/MainframeToken.sol

```

```

2020-01-20 04:07:26,349: [60936] m.main:INFO: Registered plugins: DetectUnusedRetVal,
DetectDelegatecall, DetectExternalCallAndLeak, DetectEnvInstruction, DetectManipulableBalance,
DetectIntegerOverflow, DetectUninitializedStorage, DetectInvalid, DetectSuicidal,
DetectUninitializedMemory,                                DetectReentrancySimple,                                <class
'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectReentrancyAdvanced
2020-01-20 04:07:26,349: [60936] m.main:INFO: Beginning analysis
2020-01-20 04:07:26,353: [60936] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 04:07:27,636: [60936] m.e.manticore:ERROR: Errors : Invalid solc compilation
/home/profganeshteam/Tools/FlattenedContracts/MainframeToken.sol:507:1: Error: Source file
requires different compiler version (current compiler is 0.5.11+commit.22be8592.Linux.g++ - note that
nightly builds are considered to be strictly less than the released version
pragma solidity ^0.4.6;
^-----^

```

. Solidity failed to generate bytecode for your contract. Check if all the abstract functions are implemented.

```

2020-01-20 04:07:27,874: [61016] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE
RESULT (?) (0 txs)

```

```

2020-01-20 04:07:27,912: [60936] m.c.manticore:INFO: Results in
/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_3seg_e_b

```

14. Lockdrop.sol

```
manticore /home/profganeshteam/Tools/FlattenedContracts/Lockdrop.sol --contract Lock
profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts$ manticore
/home/profganeshteam/Tools/FlattenedContracts/Lockdrop.sol --contract Lock
2020-01-20 04:09:16,752: [61332] m.main:INFO: Registered plugins: DetectUninitializedStorage, <class
'manticore.ethereum.plugins.KeepOnlyIfStorageChanges>, DetectUninitializedMemory, DetectEnvInstruction,
DetectUnusedRetVal, DetectSuicidal, DetectReentrancySimple, DetectReentrancyAdvanced, DetectDelegatecall,
DetectExternalCallAndLeak, DetectInvalid, DetectManipulableBalance, DetectIntegerOverflow
2020-01-20 04:09:16,753: [61332] m.main:INFO: Beginning analysis
2020-01-20 04:09:16,757: [61332] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 04:09:19,798: [61332] m.e.manticore:INFO: Starting symbolic transaction: 0
2020-01-20 04:09:20,240: [61761] m.e.detectors:WARNING: Warning TIMESTAMP instruction used
2020-01-20 04:09:20,581: [61767] m.e.detectors:WARNING: Reachable ether leak to sender via argument
2020-01-20 04:09:21,417: [61776] m.e.detectors:WARNING: Warning TIMESTAMP instruction used
2020-01-20 04:09:21,696: [61763] m.e.detectors:WARNING: Reachable ether leak to sender via argument
2020-01-20 04:09:22,140: [61767] m.e.detectors:WARNING: Warning TIMESTAMP instruction used
2020-01-20 04:09:22,429: [61776] m.e.detectors:WARNING: Reachable ether leak to sender via argument
2020-01-20 04:09:22,942: [61765] m.e.detectors:WARNING: Warning TIMESTAMP instruction used
2020-01-20 04:09:23,264: [61761] m.e.detectors:WARNING: Reachable ether leak to sender via argument
2020-01-20 04:09:24,154: [61763] m.e.detectors:WARNING: Warning TIMESTAMP instruction used
^C2020-01-20 04:15:06,586: [61766] m.c.worker:ERROR: Exception in state 4: SolverError(",)
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 121, in run
    current_state.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/state.py", line 6, in execute
    return self._platform.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2783, in execute
    self.current_vm.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 1241, in execute
    last_pc, last_gas, instruction, arguments, fee, allocated = self._checkpoint()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 1125, in _checkpoint
    "will_evm_execute_instruction", self.instruction, self._top_arguments()
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 146, in _publish
    self._publish_impl(_name, *args, **kwargs)
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 163, in _publish_impl
    sink._publish_impl(_name, *args, **kwargs)
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 163, in _publish_impl
    sink._publish_impl(_name, *args, **kwargs)
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 161, in _publish_impl
    sink._publish_impl(_name, self, *args, **kwargs)
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 154, in _publish_impl
    callback(robj(), *args, **kwargs)
  File      "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/detectors.py",      line      264,      in
will_evm_execute_instruction_callback
```



```

    if not state.can_be_true(is_enough_gas):
File "/usr/local/lib/python3.6/dist-packages/manticore/core/state.py", line 302, in can_be_true
    return self._solver.can_be_true(self._constraints, expr)
File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/solver.py", line 409, in can_be_true
    return self._is_sat()
File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/solver.py", line 341, in _is_sat
    raise SolverError(status)
manticore.exceptions.SolverError

2020-01-20 04:15:07,156: [61332] m.e.manticore:INFO: 3 alive states, 2 terminated states
2020-01-20 04:15:08,747: [62622] m.c.manticore:INFO: Generated testcase No. 0 - STOP(2 txs)
2020-01-20 04:15:08,756: [62621] m.c.manticore:INFO: Generated testcase No. 1 - STOP(2 txs)
2020-01-20 04:15:08,788: [62619] m.c.manticore:INFO: Generated testcase No. 2 - STOP(2 txs)
2020-01-20 04:15:08,813: [62620] m.c.manticore:INFO: Generated testcase No. 4 - REVERT(2 txs)
2020-01-20 04:15:08,801: [62623] m.c.manticore:INFO: Generated testcase No. 3 - RETURN(1 txs)
2020-01-20 04:15:12,852: [61332] m.c.manticore:INFO: Results in
/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_4fu_nnnt
profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts$ manticore
/home/profganeshteam/Tools/FlattenedContracts/Lockdrop.sol --contract Lockdrop
2020-01-20 04:16:09,269: [63126] m.main:INFO: Registered plugins: DetectEnvInstruction,
DetectManipulableBalance, DetectUninitializedMemory, DetectReentrancySimple, DetectReentrancyAdvanced,
DetectUnusedRetVal, <class 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectSuicidal,
DetectUninitializedStorage, DetectInvalid, DetectDelegatecall, DetectExternalCallAndLeak,
DetectIntegerOverflow
2020-01-20 04:16:09,269: [63126] m.main:INFO: Beginning analysis
2020-01-20 04:16:09,273: [63126] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 04:16:19,870: [63222] m.e.detectors:WARNING: Unsigned integer overflow at ADD instruction
2020-01-20 04:16:24,761: [63126] m.e.manticore:INFO: Starting symbolic transaction: 0

```

15. LibraryLock.sol

```

manticore /home/profganeshteam/Tools/FlattenedContracts/LibraryLock.sol --contract LibraryLock
profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts$ manticore
/home/profganeshteam/Tools/FlattenedContracts/LibraryLock.sol --contract LibraryLock
2020-01-20 04:28:55,178: [64467] m.main:INFO: Registered plugins: DetectUninitializedMemory,
DetectReentrancySimple, <class 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>,
DetectReentrancyAdvanced, DetectInvalid, DetectUnusedRetVal, DetectSuicidal,
DetectIntegerOverflow, DetectDelegatecall, DetectExternalCallAndLeak, DetectEnvInstruction,
DetectManipulableBalance, DetectUninitializedStorage
2020-01-20 04:28:55,179: [64467] m.main:INFO: Beginning analysis
2020-01-20 04:28:55,183: [64467] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 04:28:57,193: [64467] m.e.manticore:ERROR: Errors : Invalid solc compilation
/home/profganeshteam/Tools/FlattenedContracts/LibraryLock.sol:181:1: Warning: Experimental
features are turned on. Do not use experimental features on live deployments.
pragma experimental ABIEncoderV2;

```


^-----^

/home/profganeshteam/Tools/FlattenedContracts/LibraryLock.sol:507:1: Error: Duplicate experimental feature name.

pragma experimental ABIEncoderV2;

^-----^

. Solidity failed to generate bytecode for your contract. Check if all the abstract functions are implemented.

2020-01-20 04:28:57,656: [64549] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?) (0 txs)

2020-01-20 04:28:57,702: [64467] m.c.manticore:INFO: Results in /home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_d32tu7u7

16. IRTokenAdmin.sol

[manticore /home/profganeshteam/Tools/FlattenedContracts/IRTokenAdmin.sol](#)

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticore /home/profganeshteam/Tools/FlattenedContracts/IRTokenAdmin.sol

2020-01-20 04:29:30,483: [64787] m.main:INFO: Registered plugins: DetectReentrancyAdvanced, DetectUnusedRetVal, DetectSuicidal, DetectInvalid, DetectDelegatecall, DetectExternalCallAndLeak, DetectIntegerOverflow, DetectEnvInstruction, <class

'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectManipulableBalance, DetectUninitializedStorage, DetectUninitializedMemory, DetectReentrancySimple

2020-01-20 04:29:30,483: [64787] m.main:INFO: Beginning analysis

2020-01-20 04:29:30,487: [64787] m.e.manticore:INFO: Starting symbolic create contract

2020-01-20 04:29:31,779: [64787] m.e.manticore:ERROR: [An initialization bytecode is needed for a CREATE](#)

2020-01-20 04:29:31,935: [64865] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?) (0 txs)

2020-01-20 04:29:31,985: [64787] m.c.manticore:INFO: Results in /home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_m5xrmzpn

17. IRToken.sol

[manticore /home/profganeshteam/Tools/FlattenedContracts/IRToken.sol --contract IRToken](#)

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticore /home/profganeshteam/Tools/FlattenedContracts/IRToken.sol --contract IRToken

2020-01-20 04:31:46,239: [65504] m.main:INFO: Registered plugins: DetectUninitializedStorage, DetectManipulableBalance, DetectUninitializedMemory, <class

'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectReentrancySimple, DetectReentrancyAdvanced, DetectUnusedRetVal, DetectSuicidal, DetectDelegatecall, DetectInvalid, DetectEnvInstruction, DetectIntegerOverflow, DetectExternalCallAndLeak

2020-01-20 04:31:46,240: [65504] m.main:INFO: Beginning analysis

2020-01-20 04:31:46,244: [65504] m.e.manticore:INFO: Starting symbolic create contract

2020-01-20 04:31:47,001: [65504] m.e.manticore:ERROR: An initialization bytecode is needed for a CREATE

2020-01-20 04:31:47,139: [65582] m.c.manticore:INFO: Generated testcase No. 0 NO STATE RESULT (?) (0 txs)

2020-01-20 04:31:47,190: [65504] m.c.manticore:INFO: Results in
/home/profganesh/team/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_3u6ciww2

18. IAllocationStrategy.sol

[manticore /home/profganesh/team/Tools/FlattenedContracts/IAllocationStrategy.sol](#)

profganesh/team@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticore
/home/profganesh/team/Tools/FlattenedContracts/IAllocationStrategy.sol

2020-01-20 04:35:34,655: [66599] m.main:INFO: Registered plugins: DetectReentrancyAdvanced, <class
'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectIntegerOverflow, DetectUnusedRetVal,
DetectSuicidal, DetectExternalCallAndLeak, DetectDelegatecall, DetectUninitializedStorage, DetectInvalid,
DetectManipulableBalance, DetectUninitializedMemory, DetectEnvInstruction, DetectReentrancySimple

2020-01-20 04:35:34,655: [66599] m.main:INFO: Beginning analysis

2020-01-20 04:35:34,659: [66599] m.e.manticore:INFO: Starting symbolic create contract

2020-01-20 04:35:34,766: [66599] m.e.manticore:ERROR: [An initialization bytecode is needed for a CREATE](#)

2020-01-20 04:35:34,905: [66678] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?) (0
txs)

2020-01-20 04:35:34,961: [66599] m.c.manticore:INFO: Results in
/home/profganesh/team/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_xghwlv3y

19. guess_the_random_number.sol

[manticore /home/profganesh/team/Tools/FlattenedContracts/guess_the_random_number.sol](#)

profganesh/team@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticore
/home/profganesh/team/Tools/FlattenedContracts/guess_the_random_number.sol

2020-01-20 04:36:26,871: [66943] m.main:INFO: Registered plugins: DetectReentrancySimple,
DetectReentrancyAdvanced, DetectUnusedRetVal, DetectExternalCallAndLeak, DetectInvalid, DetectSuicidal,
DetectDelegatecall, DetectIntegerOverflow, DetectEnvInstruction, DetectManipulableBalance, <class
'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectUninitializedStorage,
DetectUninitializedMemory

2020-01-20 04:36:26,872: [66943] m.main:INFO: Beginning analysis

2020-01-20 04:36:26,876: [66943] m.e.manticore:INFO: Starting symbolic create contract

2020-01-20 04:36:27,451: [66943] m.e.manticore:INFO: Failed to compile contract []

2020-01-20 04:36:27,452: [66943] m.e.manticore:INFO: [Failed to create contract: exception in constructor](#)

2020-01-20 04:36:27,587: [67258] m.c.manticore:INFO: Generated testcase No. 0 - REVERT(1 txs)

2020-01-20 04:36:27,660: [66943] m.c.manticore:INFO: Results in
/home/profganesh/team/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_fgcyj27zs

20. dos_simple.sol

[manticore /home/profganesh/team/Tools/FlattenedContracts/dos_simple.sol](#)

profganesh/team@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticore
/home/profganesh/team/Tools/FlattenedContracts/dos_simple.sol

2020-01-20 04:37:37,482: [67555] m.main:INFO: Registered plugins: DetectDelegatecall, DetectInvalid,
DetectExternalCallAndLeak, DetectEnvInstruction, DetectManipulableBalance, DetectIntegerOverflow,
DetectReentrancySimple, DetectReentrancyAdvanced, DetectUnusedRetVal, DetectUninitializedStorage,

[illegible]


```
DetectReentrancySimple, DetectDelegatecall, DetectInvalid, DetectExternalCallAndLeak, DetectEnvInstruction,
DetectReentrancyAdvanced, DetectIntegerOverflow, DetectManipulableBalance, <class
'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectUninitializedStorage,
DetectUninitializedMemory
```


[illegible]

[illegible]

[illegible]

[illegible]

. Solidity failed to generate bytecode for your contract. Check if all the abstract functions are implemented.
2020-01-20 05:17:24,049: [83548] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?) (0 txs)
2020-01-20 05:17:24,085: [83459] m.c.manticore:INFO: Results in
/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_py094s6f

24. Casino.sol

[manticore /home/profganeshteam/Tools/FlattenedContracts/Casino.sol](#)
profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticore
/home/profganeshteam/Tools/FlattenedContracts/Casino.sol --contract Casino
2020-01-20 05:18:35,784: [84115] m.main:INFO: Registered plugins: DetectUninitializedStorage, DetectUninitializedMemory, <class 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectReentrancySimple, DetectExternalCallAndLeak, DetectReentrancyAdvanced, DetectManipulableBalance, DetectUnusedRetVal, DetectSuicidal, DetectDelegatecall, DetectInvalid, DetectEnvInstruction, DetectIntegerOverflow
2020-01-20 05:18:35,784: [84115] m.main:INFO: Beginning analysis
2020-01-20 05:18:35,788: [84115] m.e.manticore:INFO: Starting symbolic create contract
Segmentation fault (core dumped)

25. send_loop.sol

[manticore /home/profganeshteam/Tools/FlattenedContracts/send_loop.sol](#)
profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ [manticore /home/profganeshteam/Tools/FlattenedContracts/send_loop.sol](#)
2020-01-20 05:19:23,759: [84248] m.main:INFO: Registered plugins: DetectReentrancyAdvanced, DetectUnusedRetVal, DetectSuicidal, DetectInvalid, DetectDelegatecall, DetectExternalCallAndLeak, DetectIntegerOverflow, DetectEnvInstruction, DetectManipulableBalance, DetectUninitializedStorage, <class 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectUninitializedMemory, DetectReentrancySimple
2020-01-20 05:19:23,760: [84248] m.main:INFO: Beginning analysis
2020-01-20 05:19:23,764: [84248] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 05:19:25,062: [84248] m.e.manticore:ERROR: Errors : Invalid solc compilation
/home/profganeshteam/Tools/FlattenedContracts/send_loop.sol:13:30: Error: This looks like an address but has an invalid checksum. Correct checksummed address: "0x79B483371E87d664cd39491b5f06250165e4b185". If this is not used as an address, please prepend '00'. For more information please see <https://solidity.readthedocs.io/en/develop/types.html#address-literals>
refundAddresses.push(0x79B483371E87d664cd39491b5f06250165e4b185);
^-----^
/home/profganeshteam/Tools/FlattenedContracts/send_loop.sol:19:21: Error: "send" and "transfer" are only available for objects of type "address payable", not "address".
require(refundAddresses[x].send(refunds[refundAddresses[x]])); // doubly bad, now a single failure on send will hold up all funds
^-----^

. Solidity failed to generate bytecode for your contract. Check if all the abstract functions are implemented.

2020-01-20 05:19:25,342: [84332] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?)(0
txs)

2020-01-20 05:19:25,413: [84248] m.c.manticore:INFO: Results in
/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_kp_0ml09