

Overview

This document provides a detailed outline of the required state updates across 10 sample contracts. Developers are expected to carefully implement each modification to ensure these contracts operate correctly maintenance.

The state updates cover various aspects, including the addition, removal, or modification of specific variables. These changes span adjustments in data types, visibility modifiers, names, and initial values.

This document categorizes the main types of updates as follows:

1. Add Variable: new variables are introduced in certain contracts;
2. Remove Variable: delete the existing state variable;
3. Update Variable: modifying the existing state into new version;

Requirements

1- Hello

Add Variables

- Data Type: uint256
- Visibility Modifier: private
- Variable Name: newtext
- Value: 135

2-Wallet

Update Variables

Old version:

- Data Type: mapping(address => uint8)
- Visibility Modifier: none
- Variable Name: balances
- Value: null

New version:

- Data Type: mapping(address => uint256)
- Visibility Modifier: none

- Variable Name: balances
- Value: null

3-Todos

Update Variables

Old version:

- Data Type: Todo[3]
- Visibility Modifier: public
- Variable Name: todos
- Value: null

New version:

- Data Type: Todo[10]
- Visibility Modifier: public
- Variable Name: todos
- Value: null

4-BancorBuyer

Add Variables

- Data Type: uint
- Visibility Modifier: public
- Variable Name: reward
- Value: null

5-Grid

Remove Variables:

- Data Type: struct
- Visibility Modifier: none
- Variable Name: User
- Value: null

Update Variables:

Old version:

- Data Type: mapping(address => User)

- Visibility Modifier: none
- Variable Name: users
- Value: null

New version:

- Data Type: mapping(address => uint)
- Visibility Modifier: none
- Variable Name: pendingWithdrawals
- Value: null

6-MyartPoint

Remove Variables:

- 1、 - Data Type: uint
 - Visibility Modifier: none
 - Variable Name: number
 - Value: 0
- 2、 - Data Type: mapping(uint => address)
 - Visibility Modifier: private
 - Variable Name: indices
 - Value: null
- 3、 - Data Type: mapping(address => bool)
 - Visibility Modifier: private
 - Variable Name: exists
 - Value: null

7-BancorKillerContract

Remove Variables:

- 1、 - Data Type: address
 - Visibility Modifier: public
 - Variable Name: base_token
 - Value: null
- 2、 - Data Type: mapping(address => uint256)
 - Visibility Modifier: pubic
 - Variable Name: token_balance

- Value: null

Add Variables:

3、 - Data Type: uint256

- Visibility Modifier: none

- Variable Name: eth_balance

- Value: null

4、 - Data Type: uint256

- Visibility Modifier: none

- Variable Name: traded_token_balance

- Value: null

8-Tiles

Update Variables:

Old version:

- Data Type: Tile[16][16]

- Visibility Modifier: public

- Variable Name: tiles

- Value: null

New version:

- Data Type: Tile[8][8]

- Visibility Modifier: public

- Variable Name: tiles

- Value: null

9-Factory

Update Variables:

Old version :

- Data Type: address

- Visibility Modifier: private

- Variable Name: owner1

- Value: 0x6CAa636cFFbCbb2043A3322c04dE3f26b1fa6555

Old version :

- Data Type: address

- Visibility Modifier: private
- Variable Name: owner2
- Value: 0xbc2d90C2D3A87ba3fC8B23aA951A9936A6D68121

Old version :

- Data Type: address
- Visibility Modifier: private
- Variable Name: owner3
- Value: 0x680d821fFE703762E7755c52C2a5E8556519EEDc

New version :

- Data Type: address[]
- Visibility Modifier: public
- Variable Name: owners
- Value: [0x6CAa636cFFbCbb2043A3322c04dE3f26b1fa6555,
0xbc2d90C2D3A87ba3fC8B23aA951A9936A6D68121,
0x680d821fFE703762E7755c52C2a5E8556519EEDc]

10-CryptoElections

Add Variables:

- 1、 - Data Type: bool
 - Visibility Modifier: none
 - Variable Name: transferEnabled
 - Value: false
- 2、 - Data Type: bool
 - Visibility Modifier: none
 - Variable Name: initd
 - Value: false

Update Variables:

Adding in Struct City:

- Data Type: uint
- Visibility Modifier: none
- Variable Name: startPrice
- Value: null

- Data Type: uint
- Visibility Modifier: none
- Variable Name: multiplierStep
- Value: null