Vehicle History

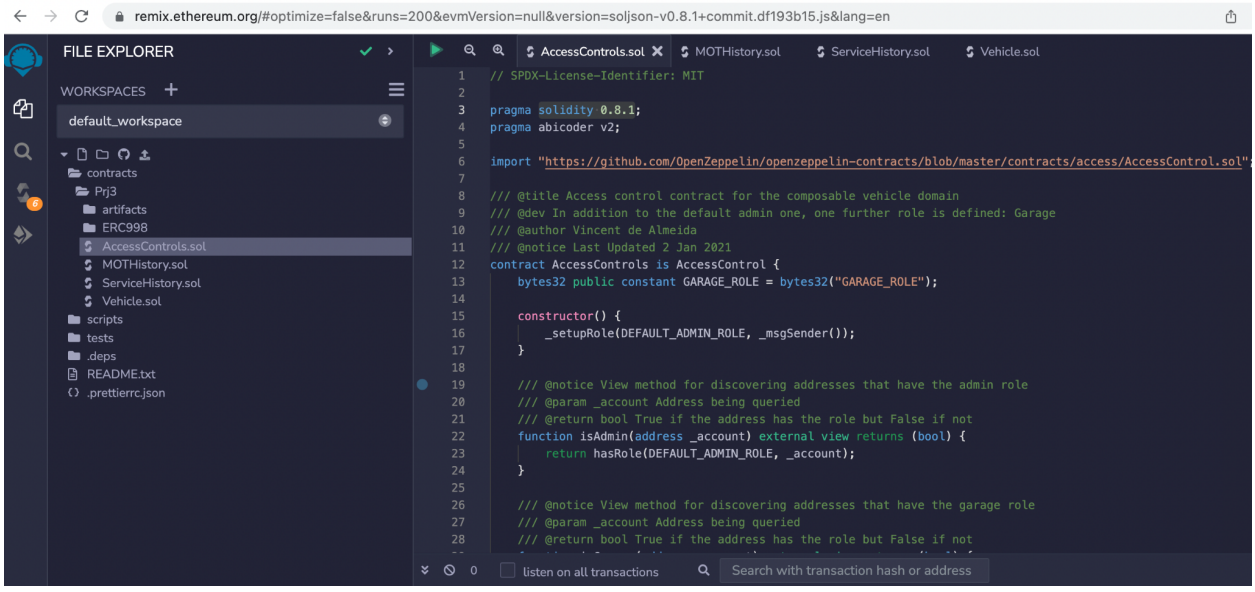
LuckyDay Vehicle History Report
On Blockchain - Smart Contracts Setup

Introduction

LuckyDay Vehicle History Report is a part of the LuckyDay web app , for storing vehicle history records on the blockchain. The github repository for LuckyDay app is https://github.com/KausarHina/lucky_day_multipage. This document describes smart contracts setting up steps needed to access Vehicle History Report.

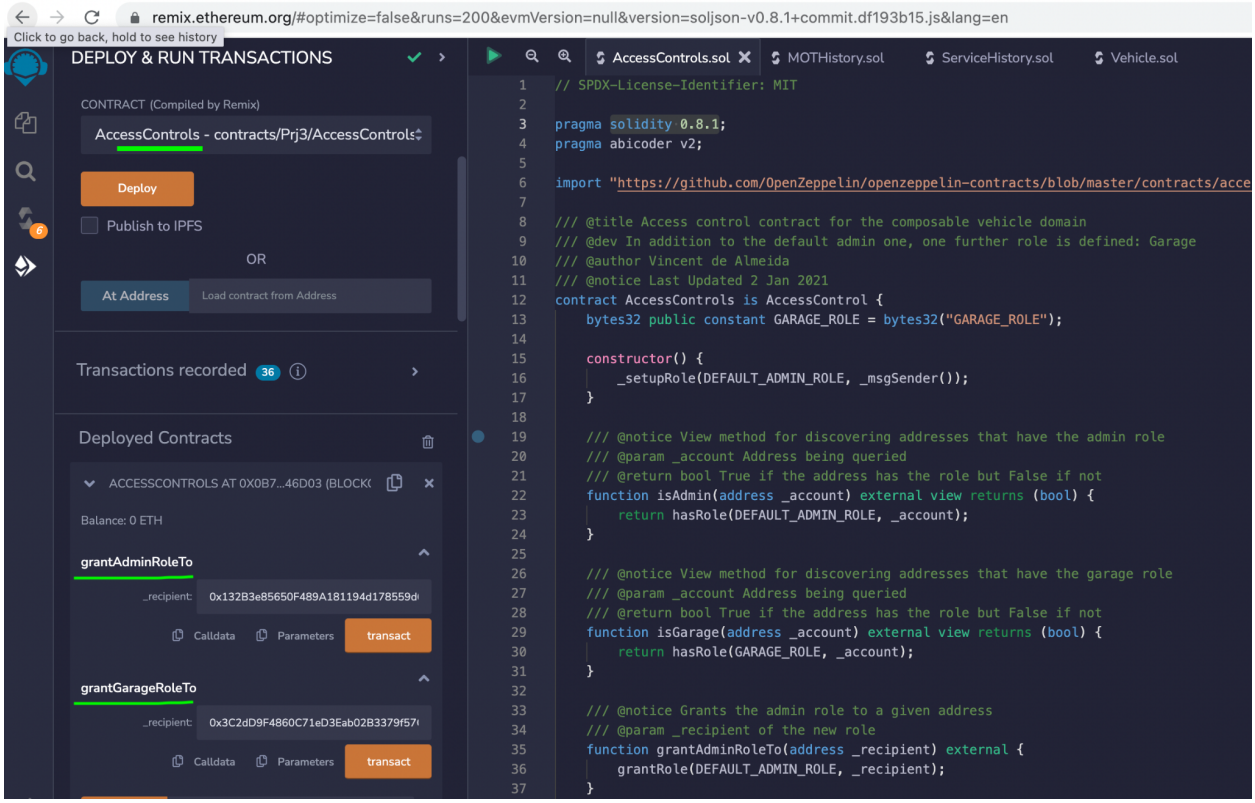
Compile Smart contracts

Clone github repository https://github.com/KausarHina/lucky_day_multipage in your local machine path. Then copy ERC998 , AccessControls.sol, MOTHistory.sol, ServiceHistory.sol and Vehicle.sol in Remix IDE from your cloned path and compile AccessControls.sol, MOTHistory.sol, ServiceHistory.sol and Vehicle.sol in the Remix.



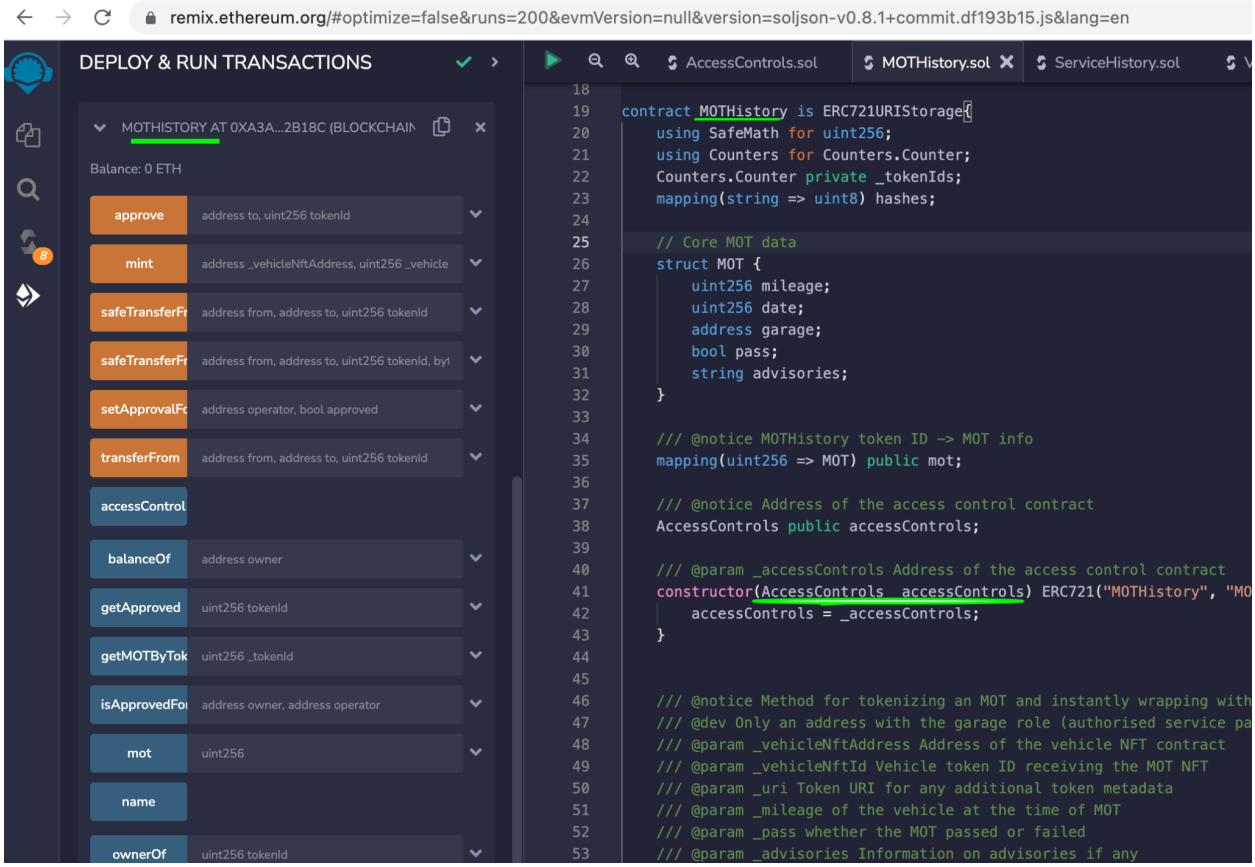
Compile and Deploy Smart Contract AccessControls

Compile smart contract AccessControls in Remix and deploy . Then grant admin role and garage role to recipient accounts.



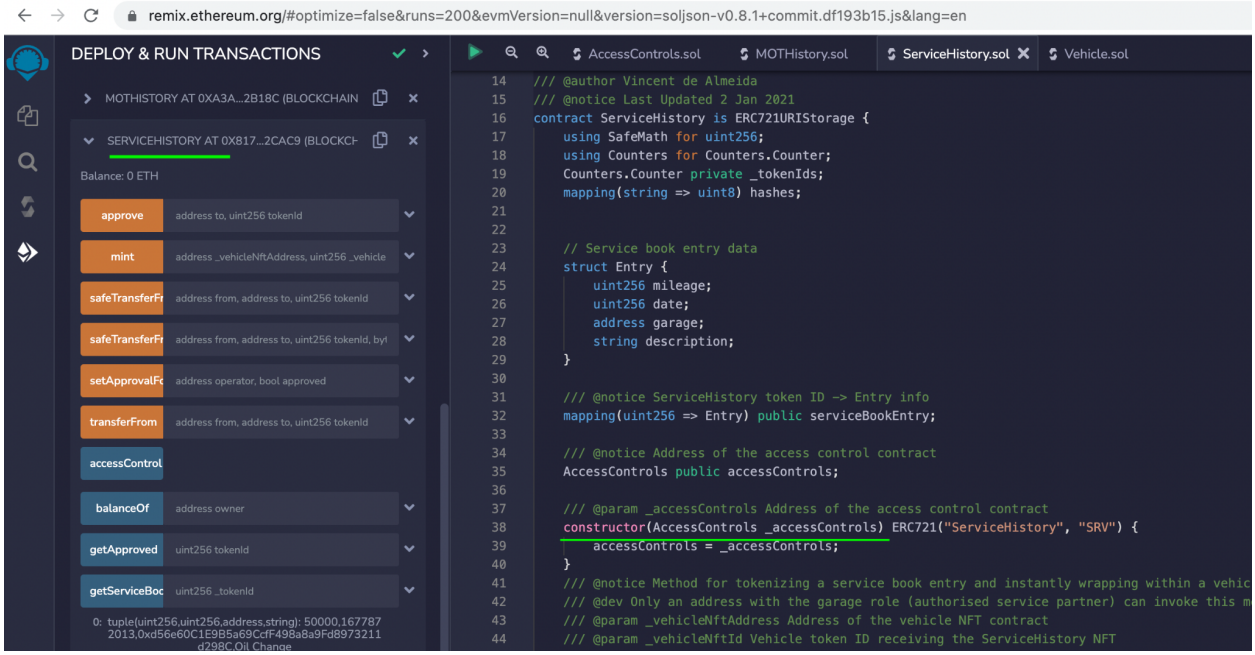
Compile and Deploy Smart Contract MotHistory

Compile MotHistory smart contract in Remix and deploy it with the deployed address of AccessControls.



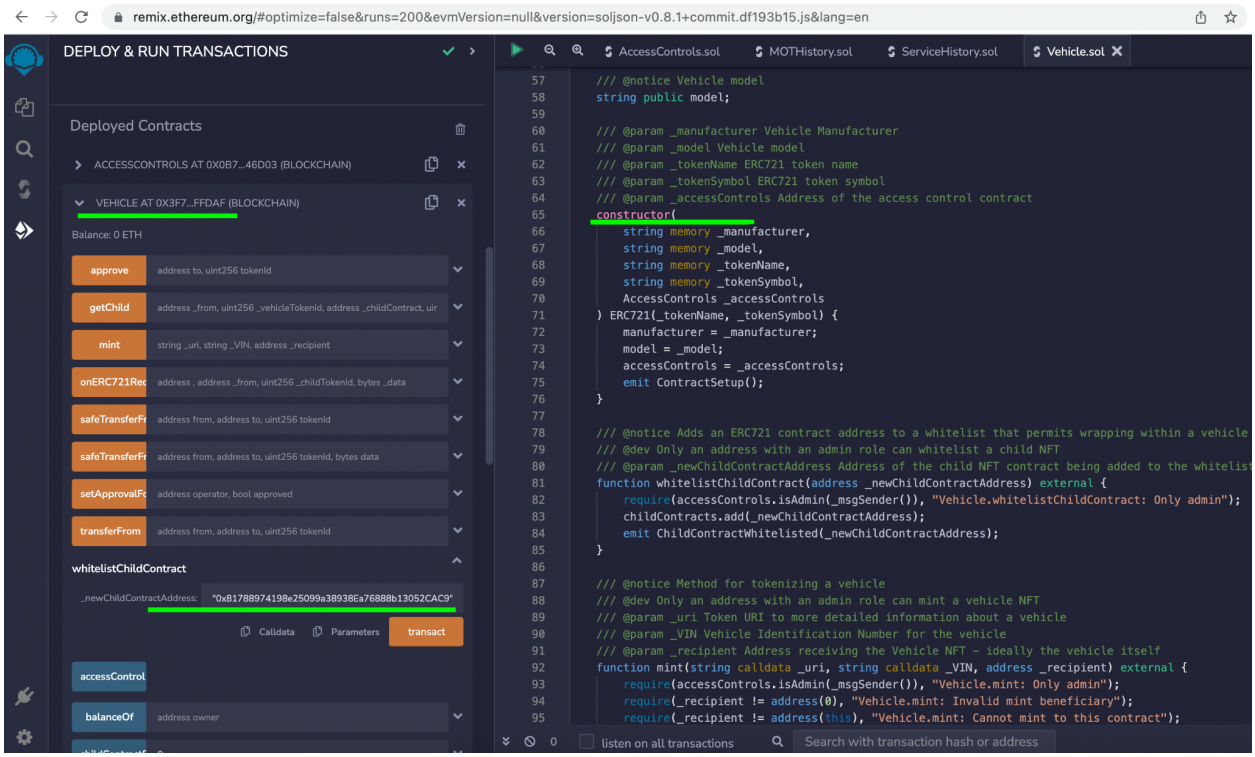
Compile and Deploy Smart Contract ServiceHistory

Compile ServiceHistory smart contract in Remix and deploy it with the deployed address of AccessControls.



Compile and Deploy Smart Contract Vehicle

Compile Vehicle smart contract in Remix and deploy it with the deployed address of AccessControls. Then add deployed address of MotHistory and ServiceHistory contracts in whitelistChildContract of Vehicle contract.



Add Smart Contracts Deployed Addresses in .env file

Add smart contracts deployed addresses in the .env file of LuckyDay web app.

MNEMONIC='advance era food settle shrug safe taxi sight sun core kite clean'

VEHICLE_SMART_CONTRACT_ADDRESS='0x3f7A23B9AD479DC243f7bB325F66DF28d85FFdAf'

ACCESSCONTROLS_SMART_CONTRACT_ADDRESS='0x0b791a231fd946D322abdf2DBBa54ABd97D46D03'

MOTHISTORY_SMART_CONTRACT_ADDRESS='0xa3A05560e8cE9e5784BCb0D1b04F76Cd04C2B18C'

S**ERVICE_HISTORY_SMART_CONTRACT_ADDRESS**='0x81788974198e25099a38938Ea76888b13052CAC9'

WEB3_PROVIDER_URI='HTTP://127.0.0.1:7545'