

ETHEREUM ARCHITECTURAL DESIGN PATTERNS – CONTRACT FACTORY WITH NAME REGISTRY

Date: 12/04/2018

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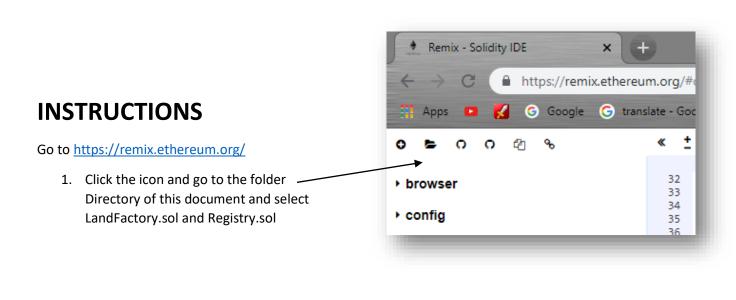
Sandra Alleine Blanca

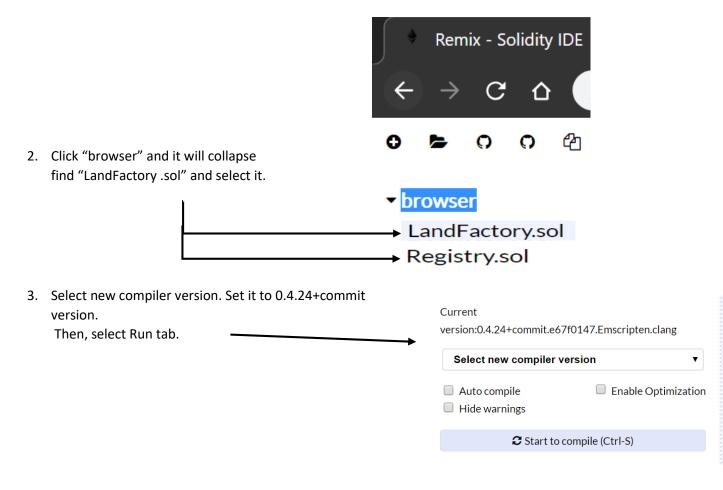
Jaymar Dingcong

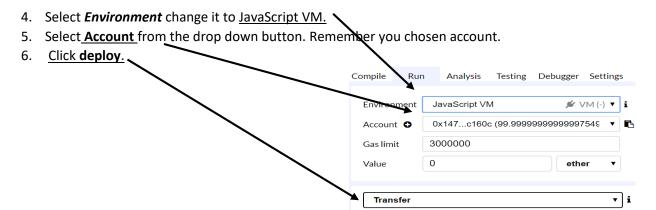
Robert Aries Dela Paz

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Patrick Oliver Palmero







Deploying the Contract

Make sure you select LandFactory then hit deploy.



Adding a Land

Find the andLand field and provide the inputs. First is the name of the land followed by its location then its coordinates then its area and finally the address of the landowner.

Ex. " "Uma", "Jaro", [2, 5], 3, 0xca35b7d915458ef540ade6068dfe2f44e8fa733c"

addLand "Uma", "Jaro", [2, 5], 3, 0xca35|b7d915458ef540a 🗸

Getting a Land by Owner

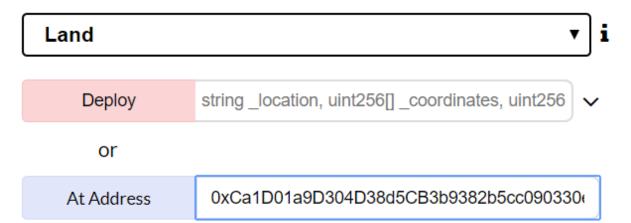
Find the getBook field and put the address of the landowner. It will result to the address of the created land contract. Make sure to copy the result.

PS: Don't follow the examples of addresses here because you will have different addresses.

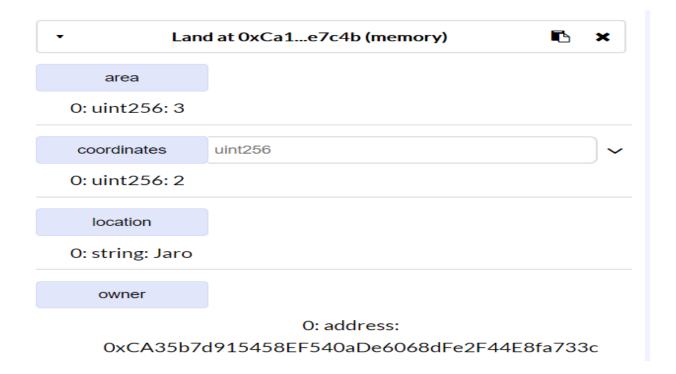


Getting the data of the Land Contract.

Go back to the deployment pane and switch it from LandFactory to Land. Paste the copied address in the field "At Address" and click it.



Go back to the deployed contracts and expand the newly added contract. It should look something like this.



Getting the Contract from Name Registry

Find the getContractFromRegistry field and provide the name of the land. You will have the following results. First is the owner of the contract followed by the address of the contract.



0: address:

0xCA35b7d915458EF540aDe6068dFe2F44E8fa733c

1: address:

0xCa1D01a9D304D38d5CB3b9382b5cc090330e7c4b