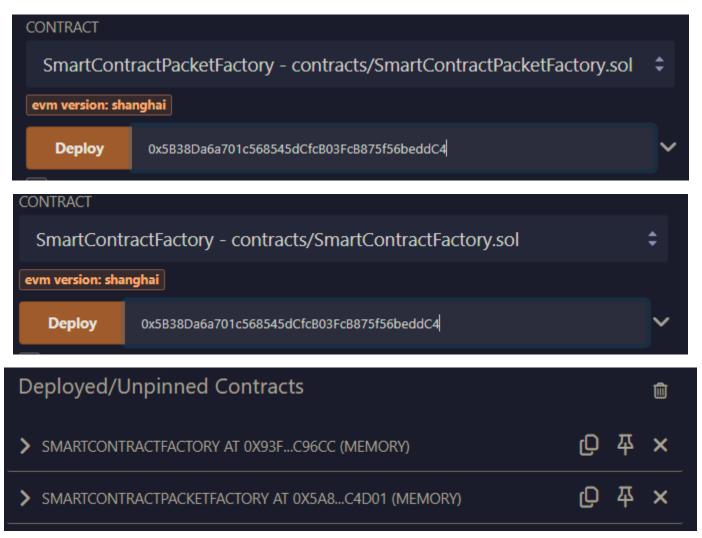
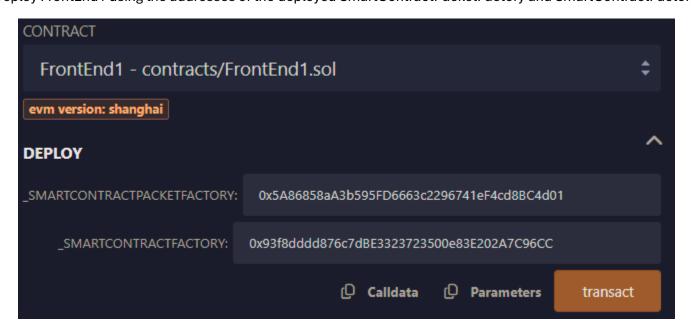
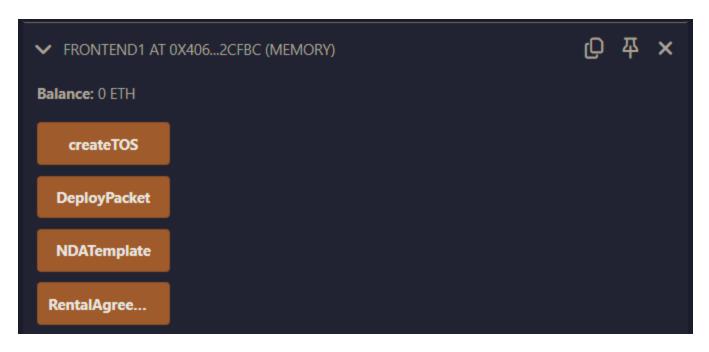
Deployment Instructions:

Deploy both SmartContractPacketFactory.sol and SmartContractFactory.sol with a user account address.



Deploy FrontEnd1 using the addresses of the deployed SmartContractPacketFactory and SmartContractFactory.





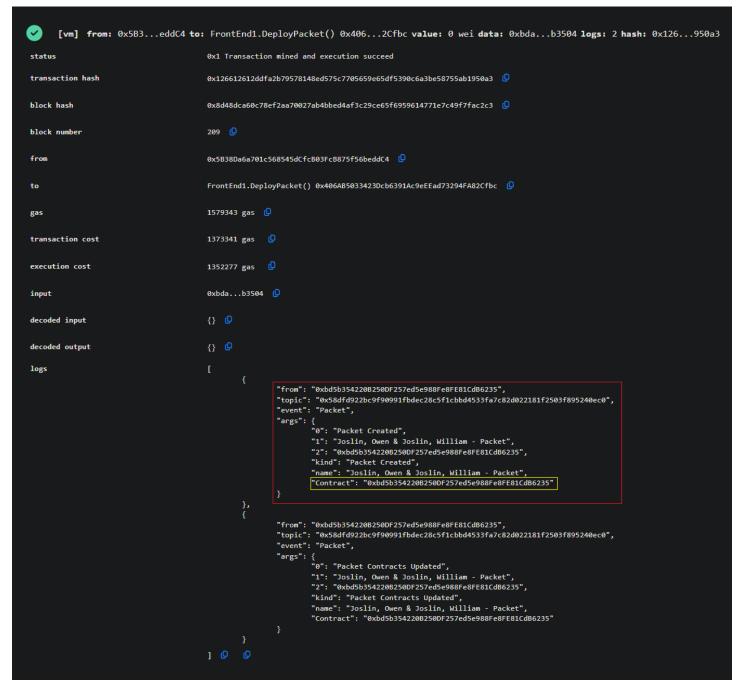
From FrontEnd1, call the createTOS function to create BLOCKCHAIN LEGAL AGREEMENT TERMS OF SERVICE (TOS).

```
[vm] from: 0x5B3...eddC4 to: FrontEnd1.createTOS() 0x406...2Cfbc value: 0 wei data: 0x4eb...54784 logs: 2 hash: 0x3d1...1e208
status
                                           0x1 Transaction mined and execution succeed
transaction hash
                                           0x3d179e4b2c5f40b5db7eae0d1da3998dc940e0e908d3a9910c3694cb0fc1e208
block hash
                                           0x0e73c174f5884e88b81020b567d5da93dd896835fda392ada47967183886bba4
block number
                                           207 🕒
from
                                           0x5B38Da6a701c568545dCfcB03FcB875f56beddC4
                                           FrontEnd1.createTOS() 0x406AB5033423Dcb6391Ac9eEEad73294FA82Cfbc 👂
                                           4878705 gas 🕒
transaction cost
                                          4242352 gas 🕒
                                          4221288 gas 🕒
execution cost
                                          0x4eb...54784
decoded input
decoded output
                                                   "0": "address: 0x6305CdCd11C0dE34Fe5092EB83C8507F40581eD1"
logs
                                                            "from": "0x6305CdCd11C0dE34Fe5092EB83C8507F40581eD1",
                                                            "topic": "0x749db2f60504ce8efa882e6faa3d82a04eaf97c42c09c1516ed1881098813bd9",
                                                            "event": "Contract",
                                                            "args": {
    "0": "Contract Created",
    "1": "BLOCKCHAIN LEGAL AGREEMENT TERMS OF SERVICE (TOS)",
    "1": "BLOCKCHAIN LEGAL AGREEMENT TERMS OF SERVICE (TOS)",
                                                                    "kind": "Contract Created",
"name": "BLOCKCHAIN LEGAL AGREEMENT TERMS OF SERVICE (TOS)",
                                                                   "Contract": "0x6305CdCd11C0dE34Fe5092EB83C8507F40581eD1"
                                                            "from": "0x6305CdCd11C0dE34Fe5092EB83C8507F40581eD1",
                                                            "topic": "0x749db2f60504ce8efa882e6faa3d82a04eaf97c42c09c1516ed1881098813bd9",
                                                            "event": "Contract",
                                                            "args": {
                                                                    "0": "Contract Terms Updated",
                                                                    "1": "BLOCKCHAIN LEGAL AGREEMENT TERMS OF SERVICE (TOS)",
                                                                    "2": "0x6305CdCd11C0dE34Fe5092EB83C8507F40581eD1",
                                                                    "kind": "Contract Terms Updated",
                                                                    "name": "BLOCKCHAIN LEGAL AGREEMENT TERMS OF SERVICE (TOS)",
                                                                    "Contract": "0x6305CdCd11C0dE34Fe5092EB83C8507F40581eD1"
```

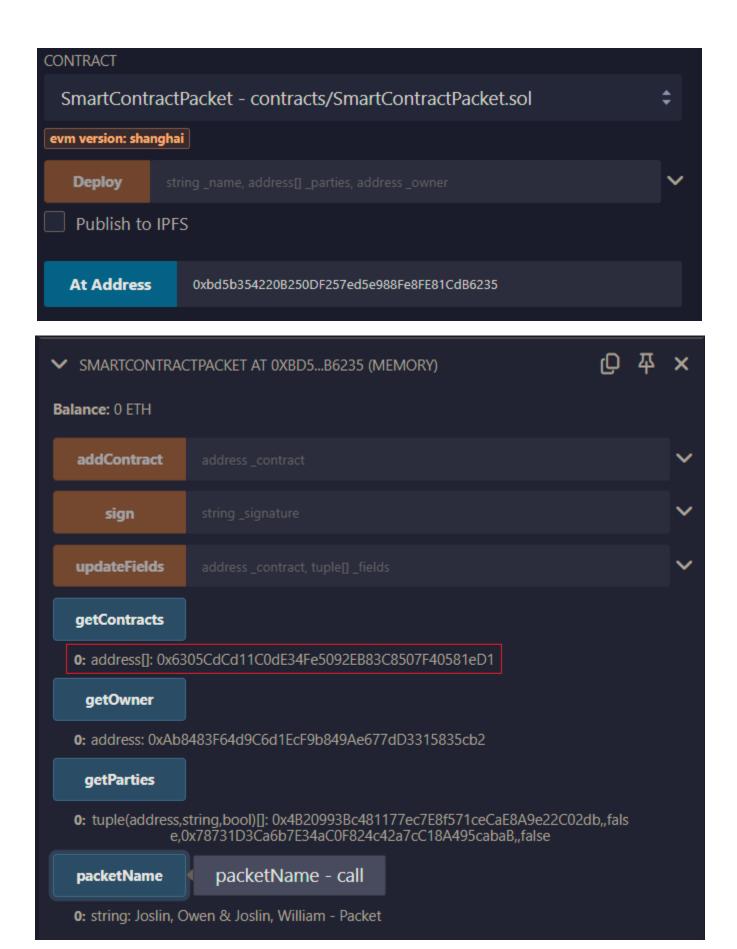
 $From \, Smart Contract Packet Factory, \, call \, update TOS \, with \, the \, deployed \, Block chain TOS \, address.$



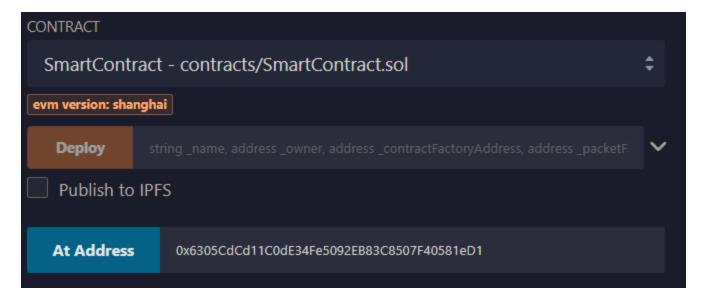
From FrontEnd1, call DeployPacket and retrieve SmartContractPacket contract address.



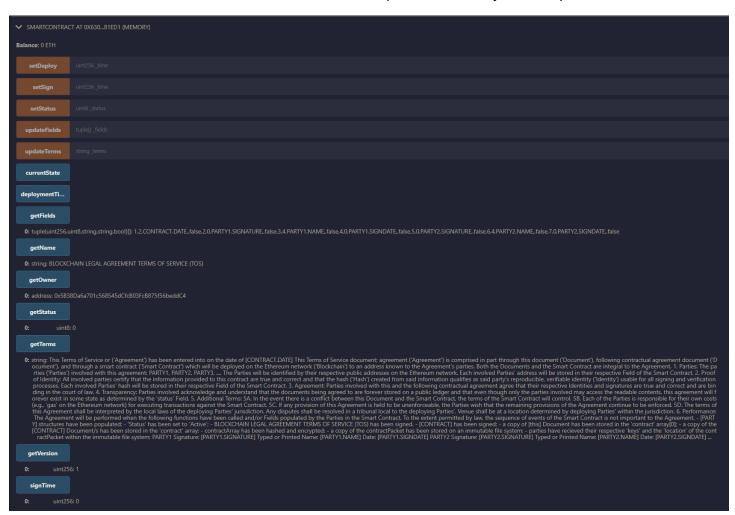
Get the SmartContractPacket contract at the deployed packet deployed in the previous step (seen in the yellow box above).



Get the address of the contract added to the packet by default.



This contract will be the Blockchain TOS preadded to every contract packet:

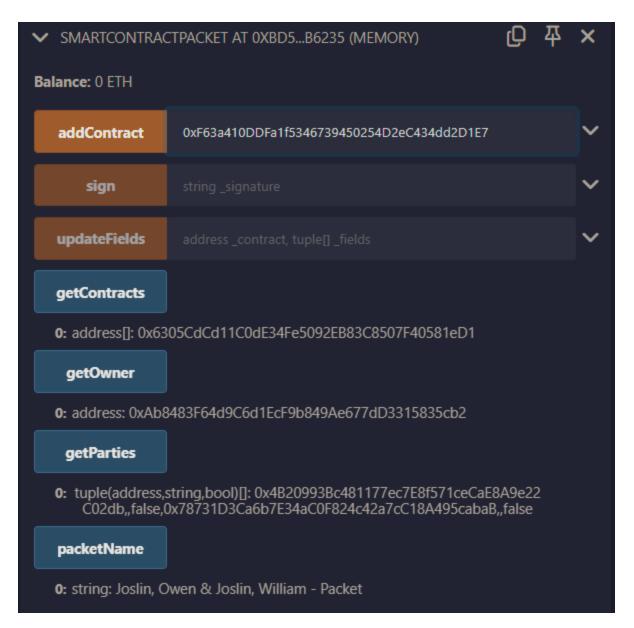


To make a contract template, go back to FrontEnd1, and call RentalAgreementTemplate.

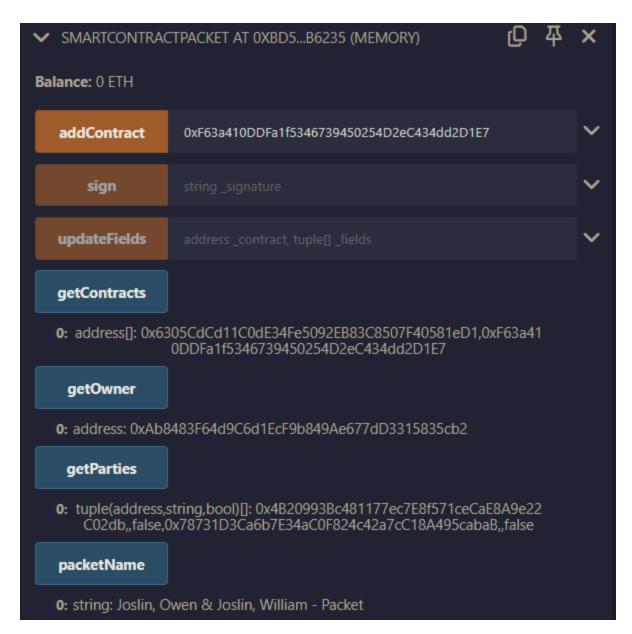


```
[vm] from: 0x583...eddC4 to: FrontEnd1.RentalAgreementTemplate() 0x406...2Cfbc value: 0 wei data: 0x00e...9326f logs: 2 hash: 0x858...92b9b
status
                                                 0x1 Transaction mined and execution succeed
                                                 0x858fb5be5466c639627f79aa7a15c4ca7389e7b19fe5c794e8c437c409c92b9b
transaction hash
block hash
                                                 0x80b206152bc61ca0864a3bb909e257c9d36cd30cefb76cdda6854ff1c8f12508
block number
                                                 210
                                                 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4
from
                                                  FrontEnd1.RentalAgreementTemplate() 0x406AB5033423Dcb6391Ac9eEEad73294FA82Cfbc 👂
                                                 5180239 gas 🕒
gas
transaction cost
                                                 4504555 gas 🕒
                                                 4483503 gas 🕒
execution cost
                                                 0x00e...9326f 😃
input
decoded input
decoded output
                                                           "0": "address: 0xF63a410DDFa1f5346739450254D2eC434dd2D1E7"
logs
                                                                     "from": "0xF63a410DDFa1f5346739450254D2eC434dd2D1E7",
                                                                     "topic": "0x749db2f60904ce8efa882e6faa3d82a04eaf97c42c09c1516ed1881098813bd9",
"event": "Contract",
                                                                     "args": {
    "0": "Contract Created",
    "1": "Scottsville Mini Storage RENTAL AGREEMENT",
                                                                              "2": "0xF63a410DDFa1f5346739450254D2eC434dd2D1E7",
                                                                              "kind": "Contract Created",
"name": "Scottsville Mini Storage RENTAL AGREEMENT",
"Contract": "0xF63a4100DFa1f534673945025402eC434dd2D1E7"
                                                                     "from": "0xF63a410DDFa1f5346739450254D2eC434dd2D1E7",
                                                                     "topic": "0x749db2f60504ce8efa882e6faa3d82a04eaf97c42c09c1516ed1881098813bd9",
                                                                     "event": "Contract",
                                                                     "args": {
    "0": "Contract Terms Updated",
    "1": "Scottsville Mini Storage RENTAL AGREEMENT",
    "2": "0xF63a410DDFa1f5346739450254D2eC434dd2D1E7",
    "1. datad"
                                                                              "kind": "Contract Terms Updated",
"name": "Scottsville Mini Storage RENTAL AGREEMENT",
"Contract": "0xF63a410DDFa1f5346739450254D2eC434dd2D1E7"
```

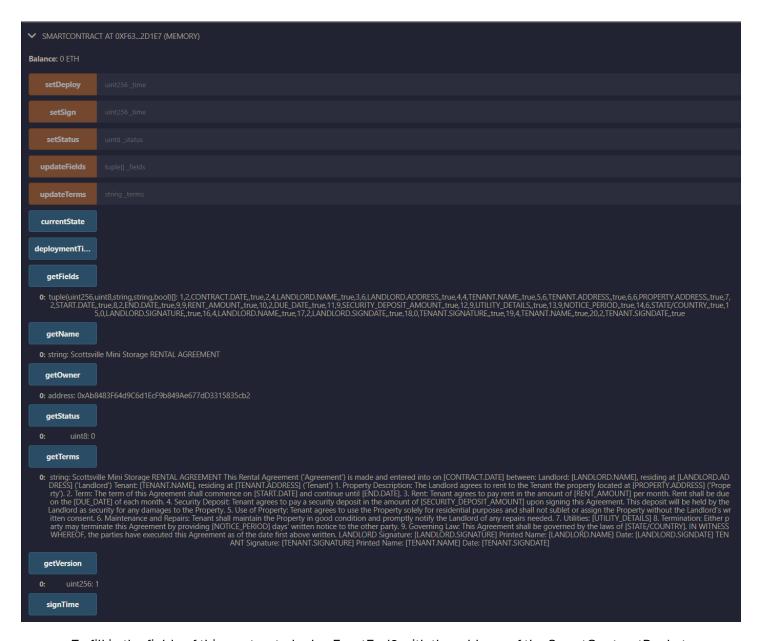
Add the newly created template to the SmartContractPacket.



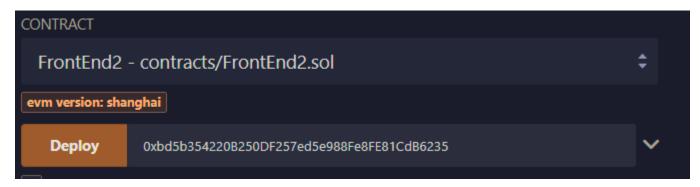
We now see that the SmartContractrPacket has two contracts.



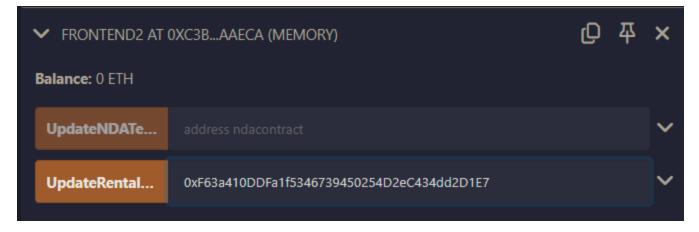
If we look at the second contract, we see that it is a copy of the Scottsville Mini Storage RENTAL AGREEMENT Template we made in FrontEnd1.



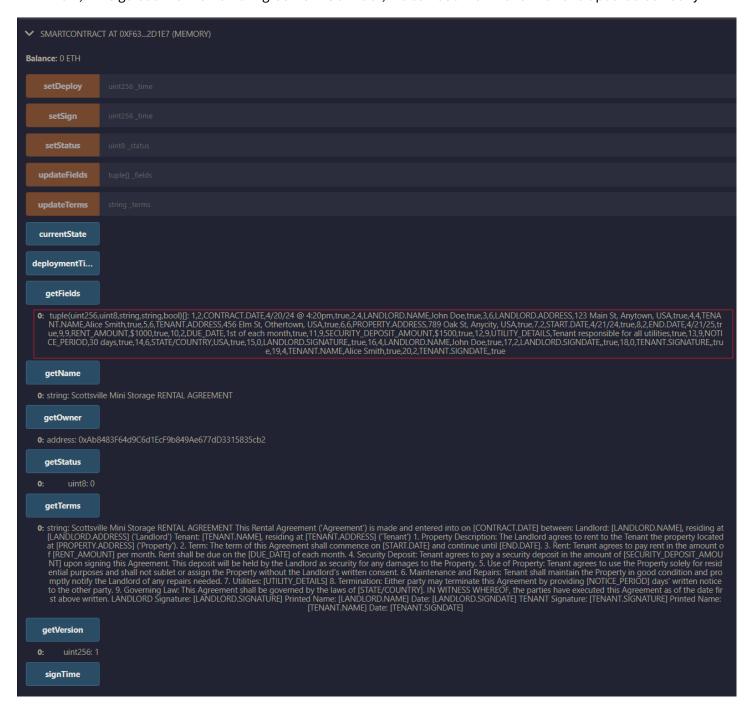
To fill in the fields of this contract, deploy FrontEnd2 with the address of the SmartContractPacket.



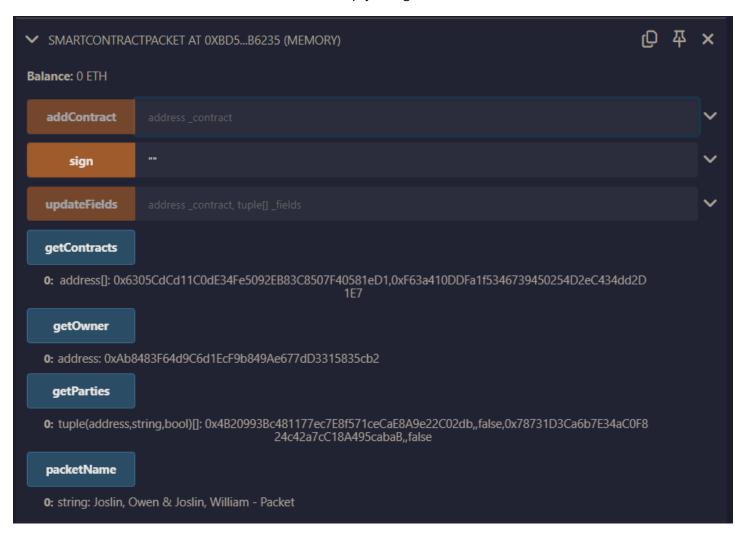
From FrontEnd2, call UpdateRentalAgreementTemplate with the address of the Rental Agreement contract in the SmartContractPacket.



Now, if we go back to the Rental Agreement Contract, we can see that the terms have updated correctly.



To sign a contract, call the sign function from a party account with the appropriate signature, in this case just an empty string.



However, there are still issues with signing the contract due to gas limitations.

