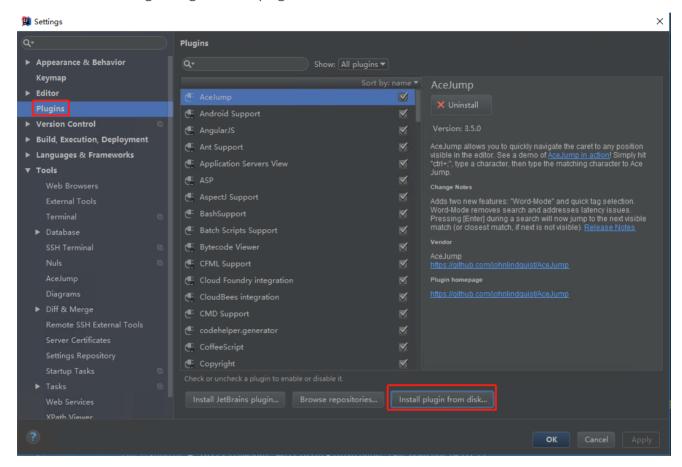
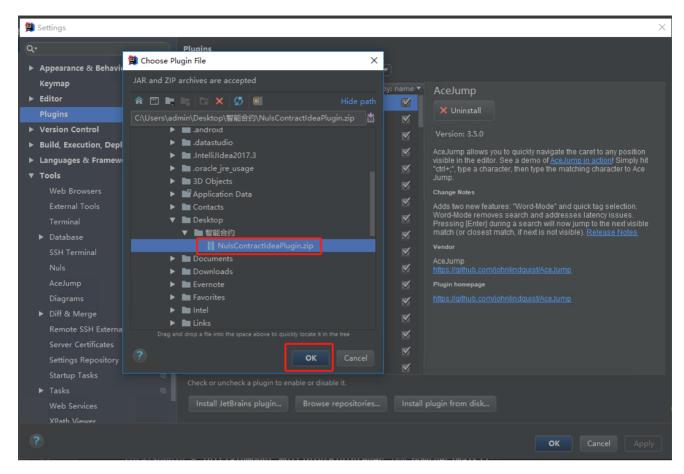
# **NULS IDEA plugin manual**

### 1 Install the NULS plugin in IDEA

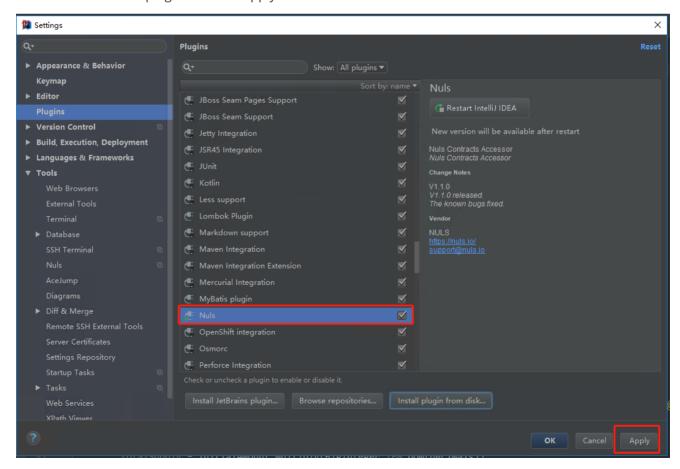
 Get the NULS plugin ZIP package and store it on disk and Click File->Settings->Plugin->Install plugin from disk



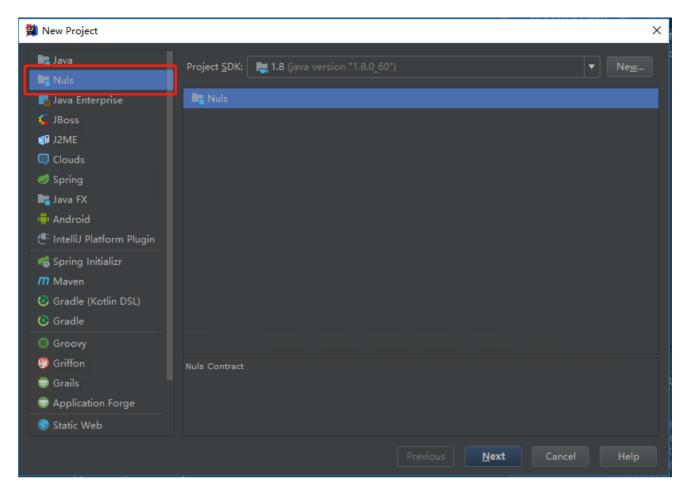
• Select the ZIP package you obtained earlier, then click OK



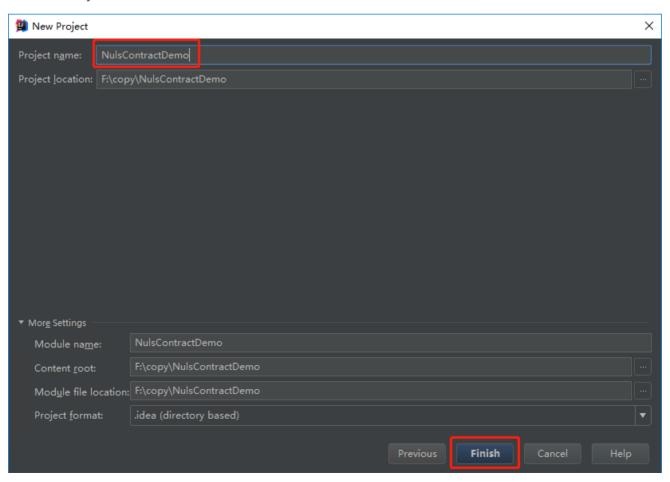
• Check the NULS plugin and click Apply



2 Create a NULS project



#### Enter the Project name and click finish

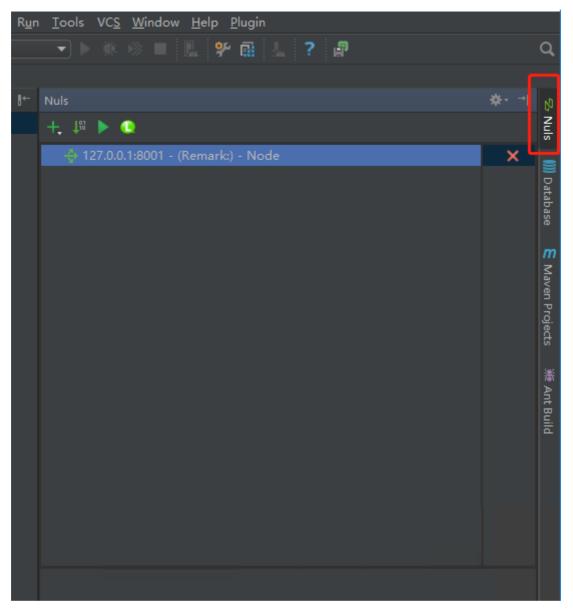


## **3 Writing smart contracts**

Smart contract code writing can be viewed <u>developer documentation</u>

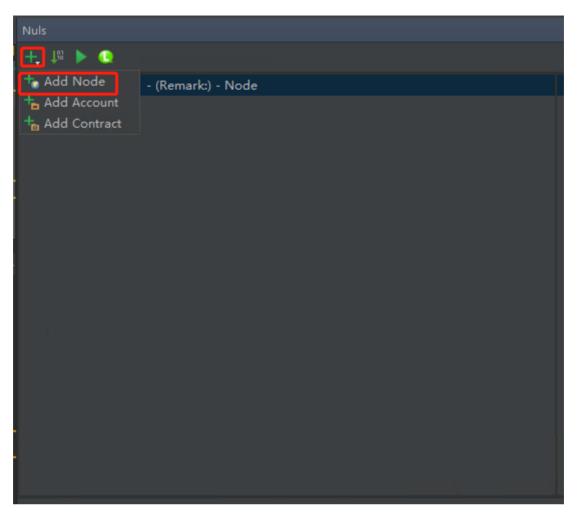
# 4 Set up nodes and accounts for deployment contracts

• Click the NULS plugin on the right to bring up the NULS plugin panel

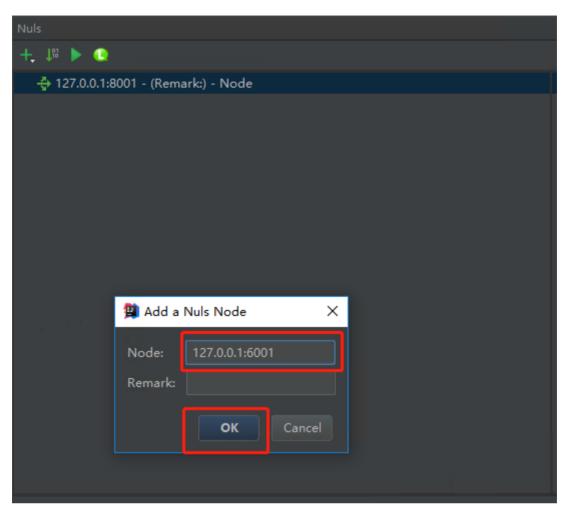


• The plugin will automatically generate a 127.0.0.1:8001 node, and the developer can add a node to deploy the contract. The recommended method is to start the wallet locally and then add the address of the wallet as the node address.

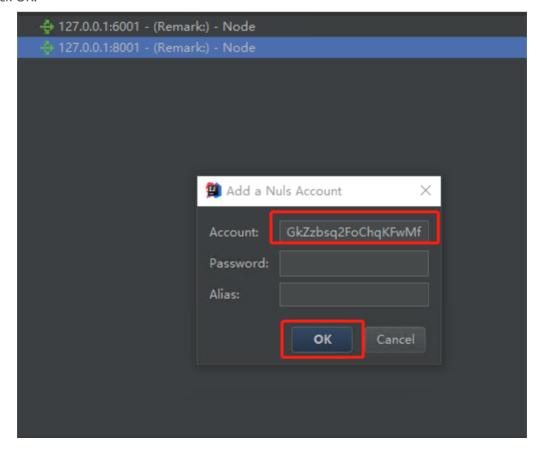
Click the + sign in the upper left corner of the panel and select Add Node.



• Enter the Node address and click OK

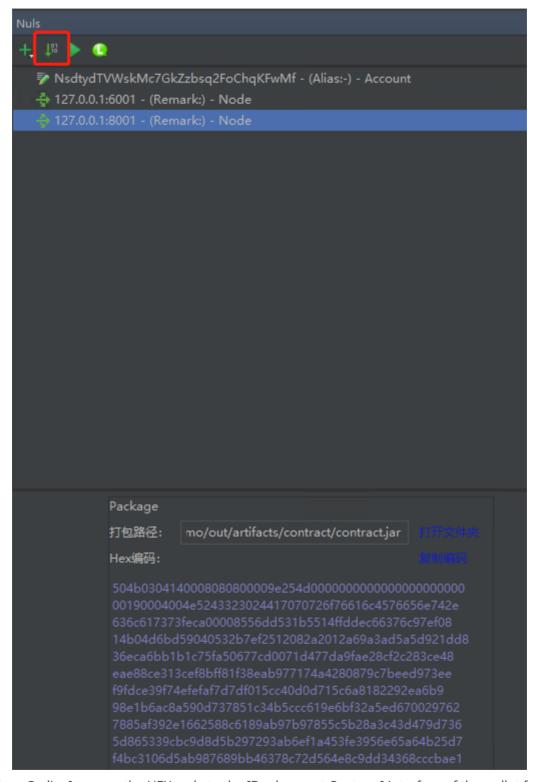


• Click the + sign in the upper left corner of the panel, select Add Account, enter the Account address, and click OK.



### **5 Package contract**

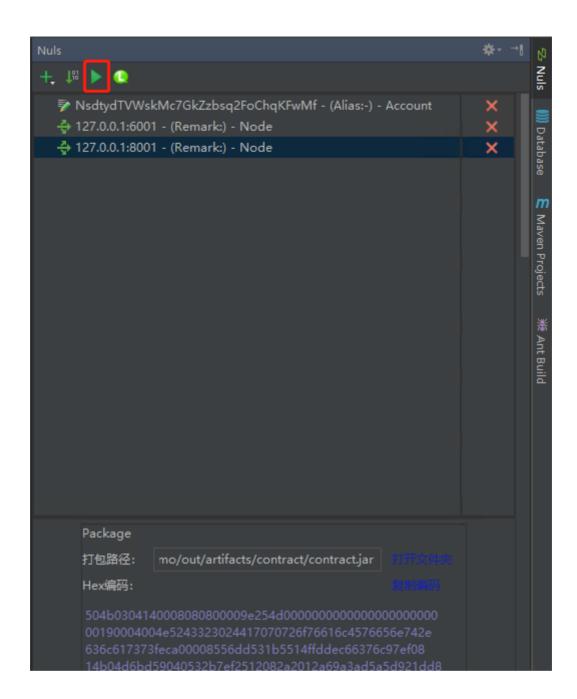
• Click the second button at the top left of the plugin to package the current Project directly. The packaged output has two forms: Jar and Hex

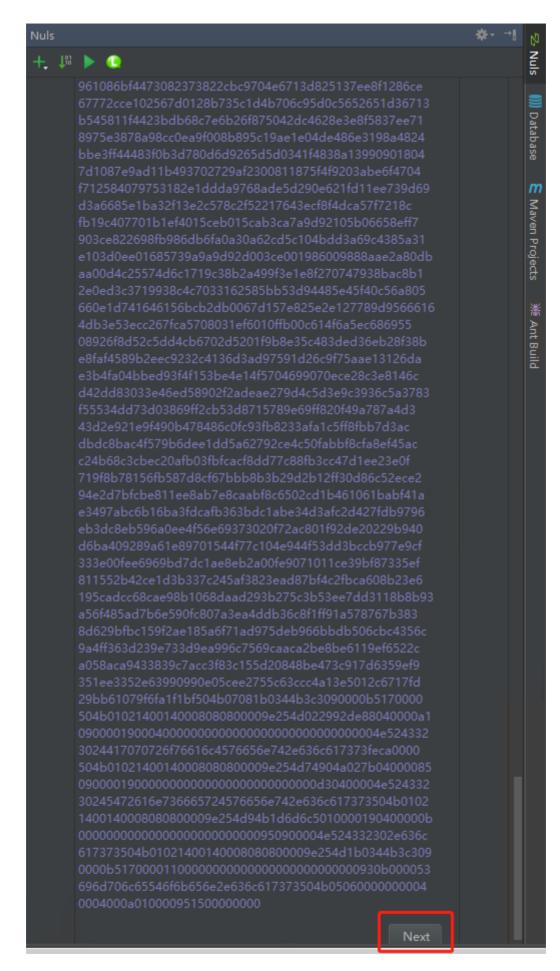


• Click [Copy Coding] to copy the HEX code to the [Deployment Contract] interface of the wallet for contract deployment (optional step)

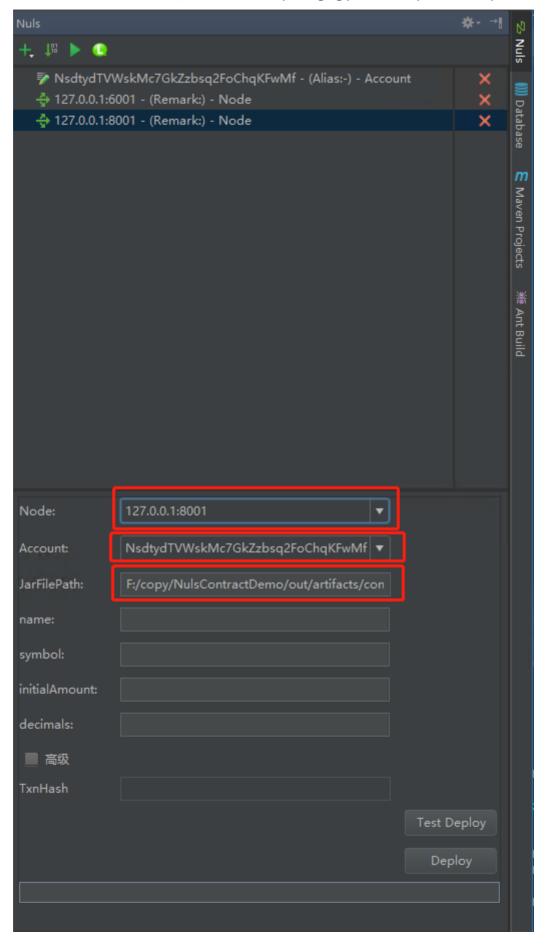


• Click the third deployment button above the plugin panel or [Next] at the bottom of the current packaging page to enter the deployment contract interface

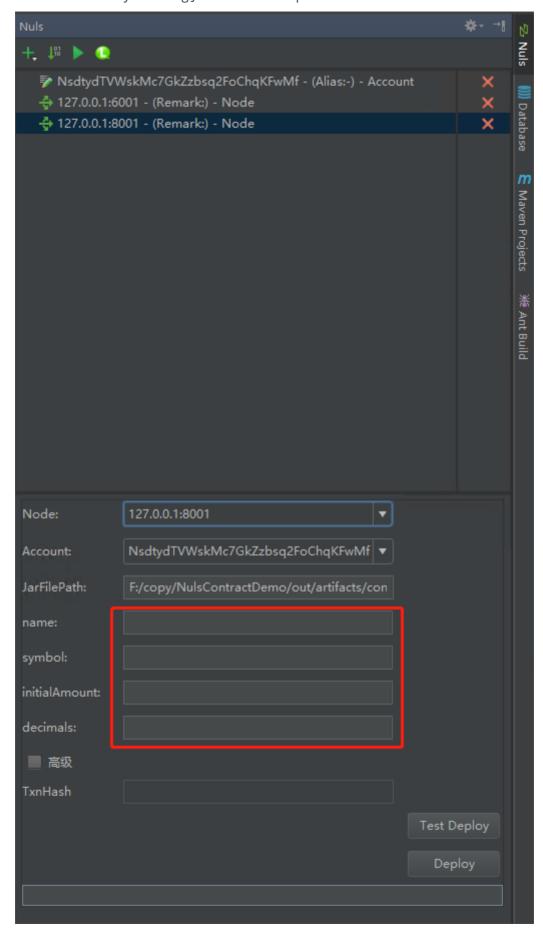




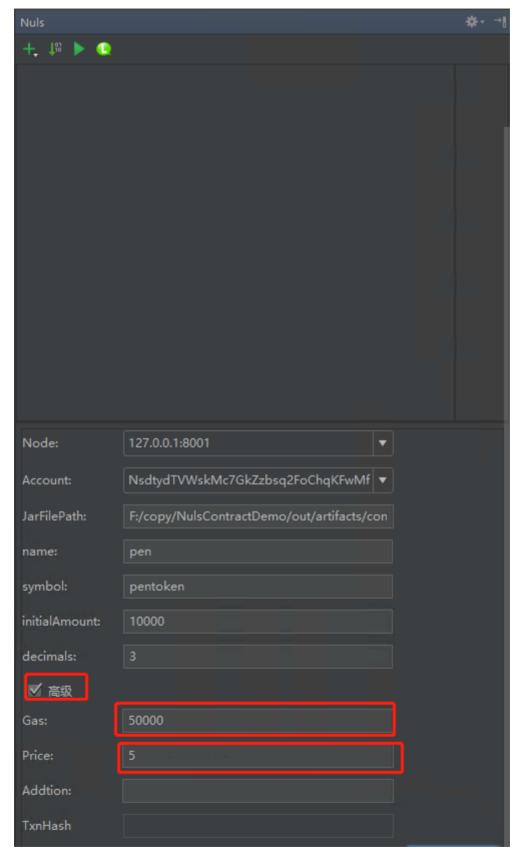
• On the deployment page, you can select the node and account for the deployment contract from the drop-down list. The default value of JarFilePath is the packaging path of the previous step.



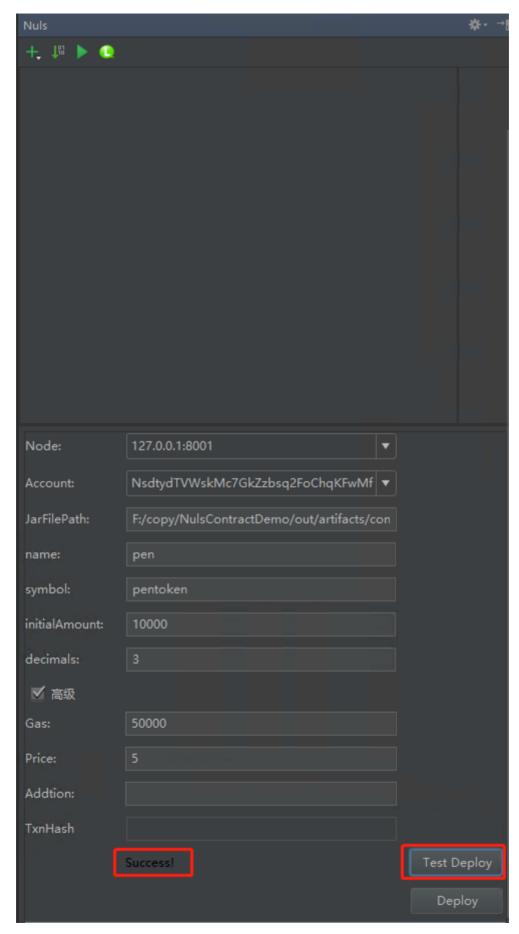
• The parameter immediately following JarFilePath is the parameter of the contract constructor.



• Click [Advanced] to set the Gas value and the price value. The Gas value range is 1-10000000. It is recommended to set the Gas value to be large to avoid the failure of the Gas to cause the deployment contract to fail.



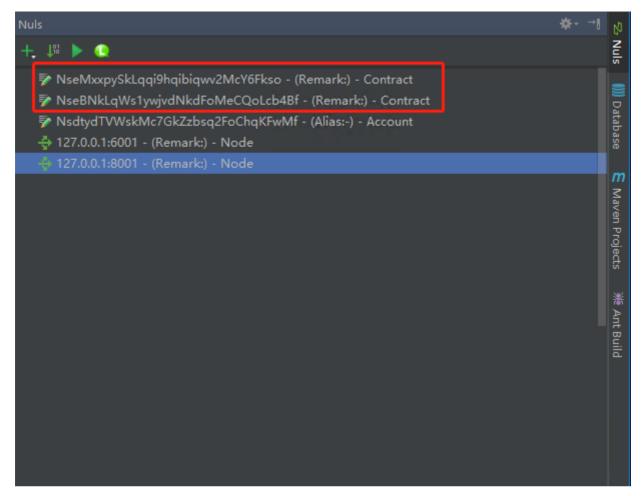
• Click [Test Deploy] to deploy the test to the contract. If successful, it will return the Success message.



• If the test is successful, click [Deploy], after the transaction confirmation of the created contract is successful, the transaction details will be returned, indicating that the contract is successfully deployed.

```
☆-
+ 183 > @
      "hash": "002080daeleebfaf0a7092b604b91ac285337094bad5499c53bf73a49a6f4399f366",
                                                                                   Maven Projects
      "blockHeight": 8435,
      "remark": null,
      "fromHash": "0020eb700b735ef65afaddf8e2bff69a04cee2efd4925120b70222f18e2768e63920
             "address": "NsdtydTVWskNc7GkZzbsq2FoChqKFwNf",
             "txHash": "002080dae1eebfaf0a7092b604b91ac285337094bad5499c53bf73a49a6f4399f366"
             "address": "NsdtydTVWskMc7GkZzbsq2FoChqKFwMf",
```

• View deployed contracts above the panel



• Click on the successful deployment contract to view all the methods of the contract

