基于多层区块链架构的物流平台解决方案



项目目录：cd go/src/github.com/smartlon/gateway/adapter/

演示流程：fabric.1. 请求物流 --> iota. 秘钥 --> fabric.2. 运送物流 --> iota.1. 发送传感器数据 --> fabric.3. 签收物流--> fabric.4.查询物流--> iota.2. 查询传感器数据

fabric端:

1. 请求物流

接口：

http://202.117.43.212:8080/fabric/requestlogistic

请求参数：

{"Func":"RequestLogistic","Args":["god1","animal1","seller1","xian","buyer1","xian"]}

2. 运送物流

接口：

http://202.117.43.212:8080/fabric/transitlogistics

请求参数：

{"Func":"TransitLogistics","Args":["food2","Logistic1","xianubiversity","2019-11-16 23:51",

"QOLOACG9BNUYLERQTZPPW9VKIOPDRTPMFZCYWGNVKIZJEYBWJDXASOXNDMZGBNYFVBCFBQBXSCCAFFRIO"]}

3. 签收物流

接口：

http://202.117.43.212:8080/fabric/deliverylogistics

请求参数：

{"Func":"DeliveryLogistics","Args":["duck5","2019-11-18"}

4. 查询物流

接口：

http://202.117.43.212:8080/fabric/querylogistics

请求参数：

{"Func":"QueryLogistics","Args":["duck2"]}

iota端：

//生成种子、秘钥、地址

cat /dev/urandom |LC\_ALL=C tr -dc 'A-Z9' | fold -w 81 | head -n 1

1. 发送传感器数据

接口：

http://202.117.43.212:8080/iota/mamtransmit

请求参数：

{"Message":{"Temperature":"20","Location":"xian","Time":"2019"},

"SideKey":"QOLOACG9BNUYLERQTZPPW9VKIOPDRTPMFZCYWGNVKIZJEYBWJDXASOXNDMZGBNYFVBCFBQBXSCCAFFRIO"}

2. 查询传感器数据

接口：

http://202.117.43.212:8080/iota/mamreceive

请求参数：

{"Root":"YFJPUERTLJFE9GCDYOKVIACLDSFZV99KUDRYOQZZWNRONRJYJZMOTWSTCCKROWIQJBYSKKECRWXCKIHGZ",

"SideKey":"QOLOACG9BNUYLERQTZPPW9VKIOPDRTPMFZCYWGNVKIZJEYBWJDXASOXNDMZGBNYFVBCFBQBXSCCAFFRIO"}