

chaincode
FSM 状态机

beforeRegistered

created

established

ready

init

afterError

afterResponse

1 beforeInit
2 beforeTransaction
3 afterResponse
4 afterError

peer fsm
状态机

beforeRegisterEvent

enterEstablishedState

establishedstate

enterReadyState

createdstate

enterEndState

endstate

readystate

- 1 ChaincodeMessage_PUT_STATE
2 ChaincodeMessage_DEL_STATE
3 ChaincodeMessage_INVOKE_CHAINCODE
4 ChaincodeMessage_COMPLETED
5 ChaincodeMessage_GET_STATE
6 ChaincodeMessage_GET_STATE_BY_RANGE
7 ChaincodeMessage_GET_QUERY_RESULT
8 ChaincodeMessage_GET_HISTORY_FOR_KEY
9 ChaincodeMessage_QUERY_STATE_NEXT
10 ChaincodeMessage_QUERY_STATE_CLOSE
11 ChaincodeMessage_ERROR
12 ChaincodeMessage_RESPONSE
13 ChaincodeMessage_INIT
14 ChaincodeMessage_TRANSACTION
- after_ enterBusyState
after_ enterBusyState
after_ enterBusyState
before_ beforeCompletedEvent
after_ afterGetState
after_ afterGetStateByRange
after_ afterGetQueryResult
after_ afterGetHistoryForKey
after_ afterQueryStateNext
after_ afterQueryStateClose

before_

ChaincodeMessage_REGISTERED

ChaincodeMessage_READY

- 1 ChaincodeMessage_INIT
2 ChaincodeMessage_TRANSACTION
3 ChaincodeMessage_RESPONSE
4 ChaincodeMessage_ERROR
5 ChaincodeMessage_COMPLETED

- 1 before_
2 before_
3 after_
4 after_

after_

ChaincodeMessage_ERROR

ChaincodeMessage_COMPLETED

enter_

before_

ChaincodeMessage_REGISTER

ChaincodeMessage_READ

enter_

ChaincodeMessage_RESPONSE

after_