**BigchainRouter.js Documentation**

11/17/2016

TODO: At the time of making this file, it was placed in the TOMCAT environment. This is because the Bigchain environment did not have the NODE package. When Tom is in the office, we will ask him to install NODE in our bigchain environment. It was written in NODE to make signature verification consistent with the wallet key library.

TODO: When verifying validator signatures, call the DAO to make sure the validators are indeed in the DAO. QUESTION: What if there is a validator in the DAO at the time of approval of the identity, but later on, they are removed from the DAO? In the future, will the DAO be referenceable according to time?

**INPUT** (Should Be JSON):

|  |  |
| --- | --- |
| **Field** | **Description** |
| pubKey | Pubkey of Requester |
| sig | Siganture of Requester |
| uniqueId | Unique ID of Requester |
| ownershipId | Ownership ID of Requester |
| Name | Name of the Requester |
| bigchainId | BigchainID of the Requester Asset |
| bigchainHash | BigchainHash of the Requester Hash |
| msgHash | Message Hash of the Requester’s Signature |

**OUTPUT:** The output is a string of a JSON object. The result is the string “1” if the identity is validated. The result is the string “0” if the identity is invalid. Here is an example of output:

{“Result”: “1”}

**TESTING:**

**INPUT:**

curl -X POST -d '{"pubKey":"0373ecbb94edf2f4f6c09f617725e7e2d2b12b3bccccfe9674c527c83f50c89055","msgHash":"c7b659f015e0c1a0aaa9309b1ed5683f21d0144ec572560068e1512833836e1a","sig":"18c3157dffb86f0410ddacb52c446f65ea0c73e7d04d60743096336176f8e5b577ec26d936db1ebbbceb96a66286aa82f45c74479b3585e048db1a496918a80b","uniqueId":"8ff9b262ea2099f59af240e4450d2729a86b80b5ff90f4f1ccaf523a8fbe78a2","ownershipId":"c38f8ae2060c51b60aa9694b7ba60ed3b5fda15ae67fbab6e07e2d56bb8c6c5e","name":"SPENCERTINGLEY","bigchainID":"00ee9aa5a86cfae86c17b8c492c01e8adbc4484497f1939b0e84672f924610d1","bigchainHash":"05f7f7df53efbc91ec4bb6a4198da1c43d5f1c3664b8b2a75f8e5079905e6556","endpoint":"http://10.101.114.231:5050/validateQrCode"}' http://10.100.98.218:3333/QRValidation --header "Content-Type:application/json"

**OUTPUT:**

