## HTTP interface to CasperExplorer server

Black text should/will appear as is; orange text should/will be substituted with values of the specified type.

get /data

Read current state of the app from server.

| request body | response body |
| --- | --- |
|  | {  accounts: [  string // zero or more  ],  keys: [  string // zero or more  ],  payment: [  string // zero or more  ],  session: [  string // zero or more  ]  } |

post /key

Create new key pair on the server identified by “name”.

Any existing key pair saved under “name” will be overwritten.

| request body | response body |
| --- | --- |
| {  name: string  } | {  status: boolean,  message: string, // if ! status  publicKey: string  } |

put /key

Store new key pair uploaded from client and identified by “name”.

Any existing key pair saved under “name” will be overwritten.

| request body | response body |
| --- | --- |
| {  name: string,  keyPair: string // contents of  } // uploaded file | {  status: boolean,  message: string // if ! status  } |

delete /key

Delete key pair identified by “name”.

TBD: What about any corresponding account?

| request body | response body |
| --- | --- |
| {  name: string  } | {  status: boolean,  message: string // if ! status  } |

post /account

Create account identified by public key of key pair identified by “name” and initialize its balance to “balance”.

| request body | response body |
| --- | --- |
| {  name: string,  balance: int  } | {  status: boolean,  message: string // if ! status  } |

put /contract

Store new contract in the contract library.

| request body | response body |
| --- | --- |
| {  name: string,  type: string, // “payment”,“session”  wasm: string // base64 encoded  } | {  status: boolean,  message: string // if ! status  } |

delete /contract

Delete contract identified by “name” from the contract library.

| request body | response body |
| --- | --- |
| {  name: string  } | {  status: boolean,  message: string // if ! status  } |

post /contract

Deploy specified contracts to a node.

| request body | response body |
| --- | --- |
| {  payment: string,  paymentArgs: string,  session: string,  sessionArgs: string  } | {  status: boolean,  message: string // if ! status  } |

get /query

Query state of the DAG.

| request body | response body |
| --- | --- |
| {  blockHash: string,  keyVariant: string, // enum  keyBytes: string,  path: string  } | {  result: string  } |