## HTTP interface to CasperExplorer server (v8)

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.

| query parameters | response body |
| --- | --- |
| None | {  accounts: [  { // zero or more  name: string,  publicKey: string  }  ],  payment: [  string // zero or more  ],  session: [  string // zero or more  ],  savedDeploys: [  { // zero or more  name: string,  payment: string,  paymentArgs: string,  session: string,  sessionArgs: string  }  ],  savedQueries: [  { // zero or more  name: string,  block: string,  variant: string,  key: string,  path: string  }  ]  } |

Errors

None

post /account

Create key pair on server, create account identified by “name” (and the public key of the newly generated key pair), and initialize its balance to “balance”.

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

Errors

* Malformed request body
* Error emitted by node in response to account creation deploy

delete /account

Delete account identified by “name”. This only removes the account data from the persistent store of the server – it does not delete the account on the node (which cannot be done yet).

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

Errors

* Malformed request body
* Account with specified name does not exist

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  } |

Errors

* Malformed request body
* Invalid “type” value

post /contract/save

Save a deploy with specified parameters and name. Any existing saved deploy will be overwritten.

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

Errors

* Malformed request body

post /contract/deploy

Deploy specified contracts to a node.

| request body | response body |
| --- | --- |
| {  account: string,  payment: string,  paymentArgs: string,  session: string,  sessionArgs: string,  propose: boolean  } | {  status: boolean,  message: string  } |

Errors

* Malformed request body
* Error emitted by node in response to deploy

delete /contract

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

| request body | response body |
| --- | --- |
| {  name: string,  type: string  //one of: “payment”,“session”,”saved”  } | {  status: boolean,  message: string  } |

Errors

* Malformed request body
* Invalid “type” value
* Contract with specified type and name does not exist

post /query/save

Save a query with specified parameters and name. Any existing saved query will be overwritten.

| request body | response body |
| --- | --- |
| {  name: string,  block: string,  variant: string,  key: string,  path: string  } | {  status: boolean,  message: string  } |

Errors

* Malformed request body

get /query

Query specific variables on the DAG.

| query parameters | response body |
| --- | --- |
| blockHash=string &  keyVariant=string &  keyBytes=string &  path=string | {  status: string,  message: string,  result: string  } |

Errors

* Invalid query parameters
* Error emitted by node in response to query

get /dag

Get the topology of the DAG.

| query parameters | response body |
| --- | --- |
|  | {  status: string,  message: string,  result: string  } |

Errors

* Error emitted by node in response to query