

Rapid Box

A quick start truffle box to host REST APIs interacting with Smart Contracts.

Key features

Rapid Box allows you to focus on development of your Smart Contracts and exposing them through an API service, without spending time bridging Contract ABIs into your Express project.

- The box takes care of auto-loading Truffle Contract definitions into the Contracts helper.
- The Contracts helper also exposes the web3 object for RPC operations like getAccounts.
- .
- Server start accepts RPC endpoint as a parameter making it easy to switch between environments.

Example

Exposing an endpoint to get value from SimpleStorage.

```
// Contracts helper
const Contracts = require('./app/contracts.js');

... // Get storage contract value
app.get('/storage', function (req, res) {
  Contracts.SimpleStorage.deployed().then(function (instance) {
    instance.get.call().then(function (value) {
      res.json({ value: value });
    });
  });
});
```

Setup

To unbox to your workspace.

```
truffle unbox hexeight/rapid-box
```

Development

Continue to use truffle as usual ;)

Compile contracts: `truffle compile` Migrate contracts: `truffle migrate` Test contracts: `truffle test` Run server: `npm start -- --rpc`

Run

To run the API service, the RPC endpoint parameter is required. This allows switching RPC endpoints during development.

For example:

Note that npm start requires the extra -- to different between npm arguments and your script arguments.

```
npm start -- --rpc http://localhost:8545 OR node server.js --rpc http://localhost:8545
```

Feedback

Feel free to send in pull-requests and raise issues with any feedback.