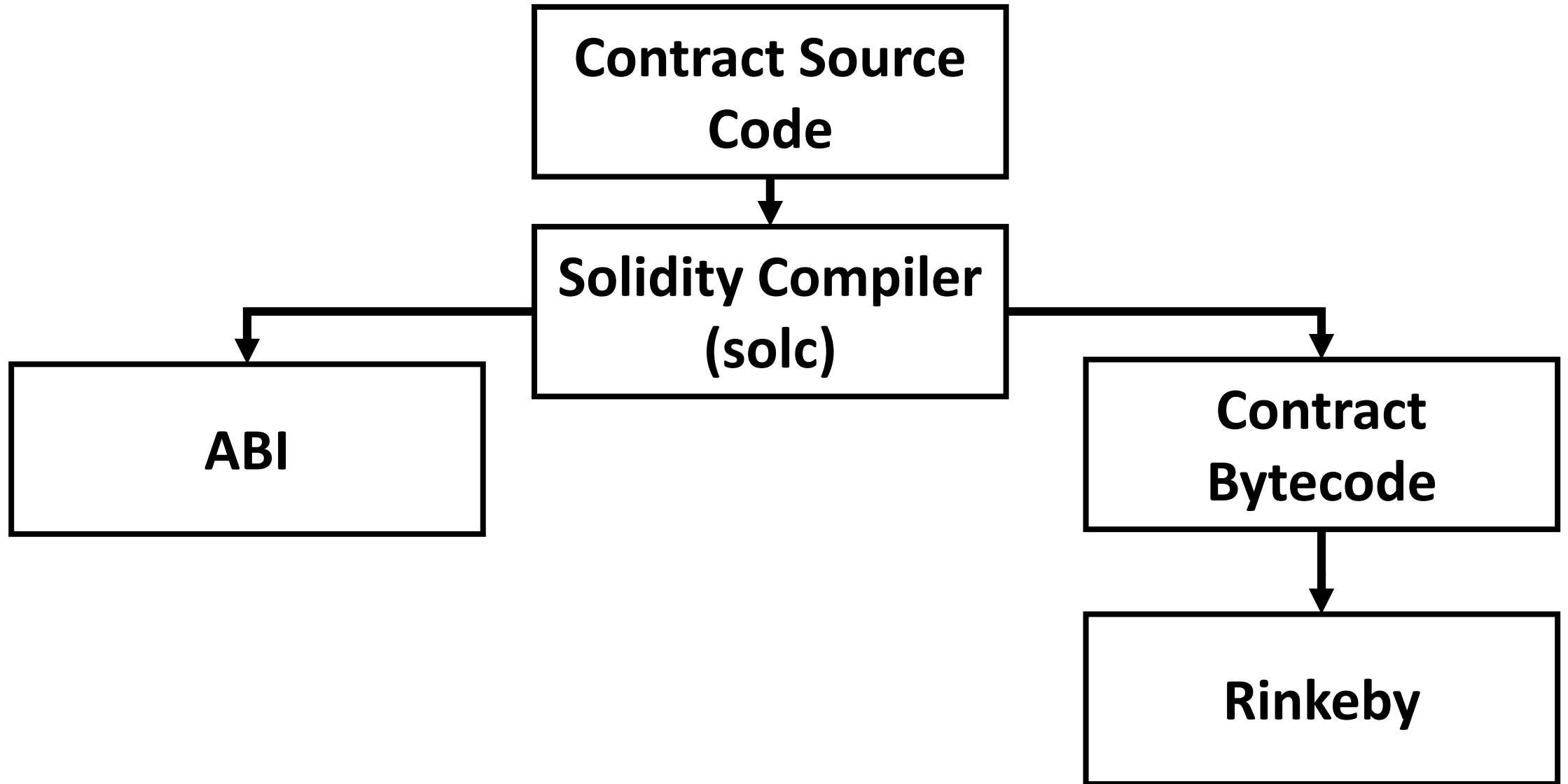


Q n A for Assignment 1?

COMP6452

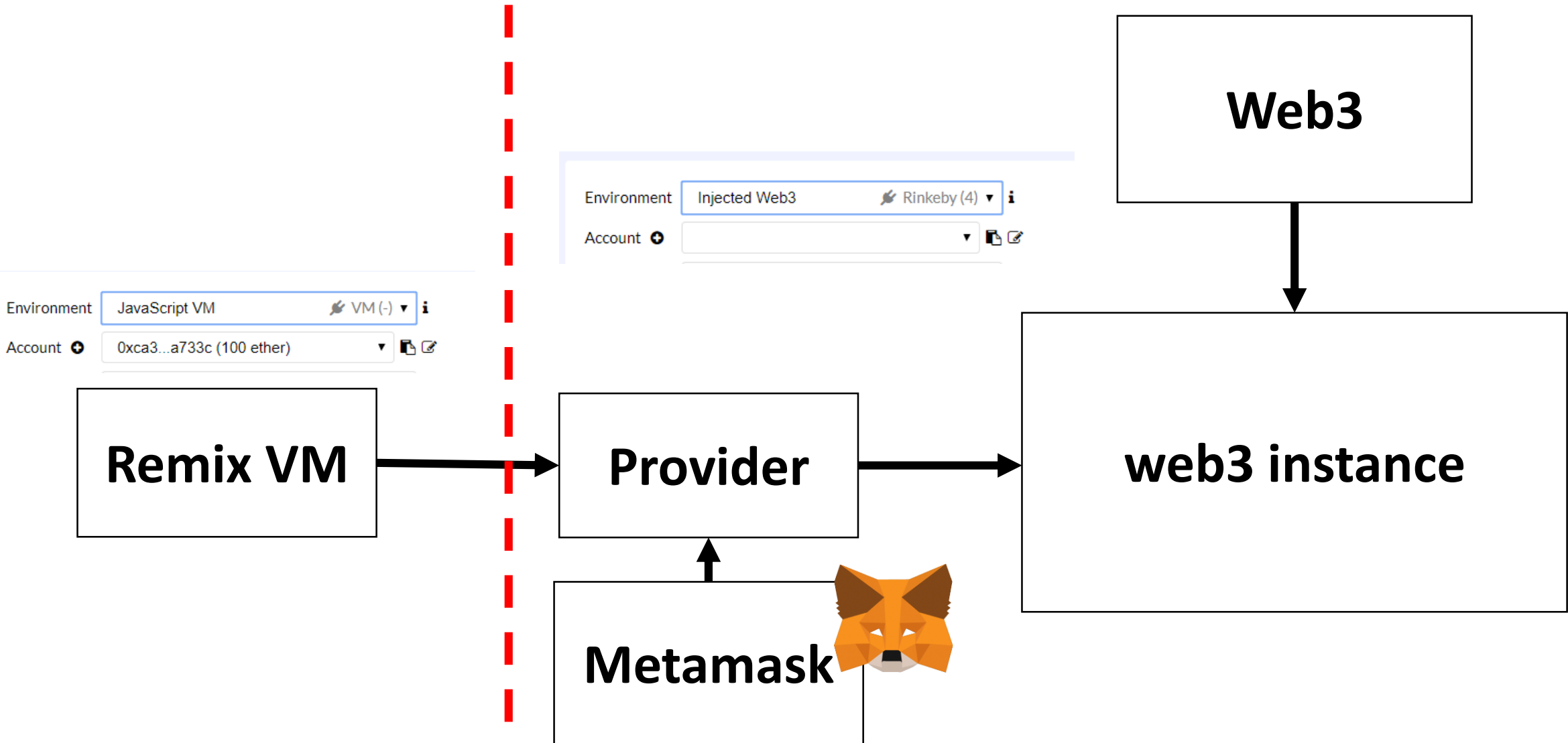
Tutorial 2

Solidity contract



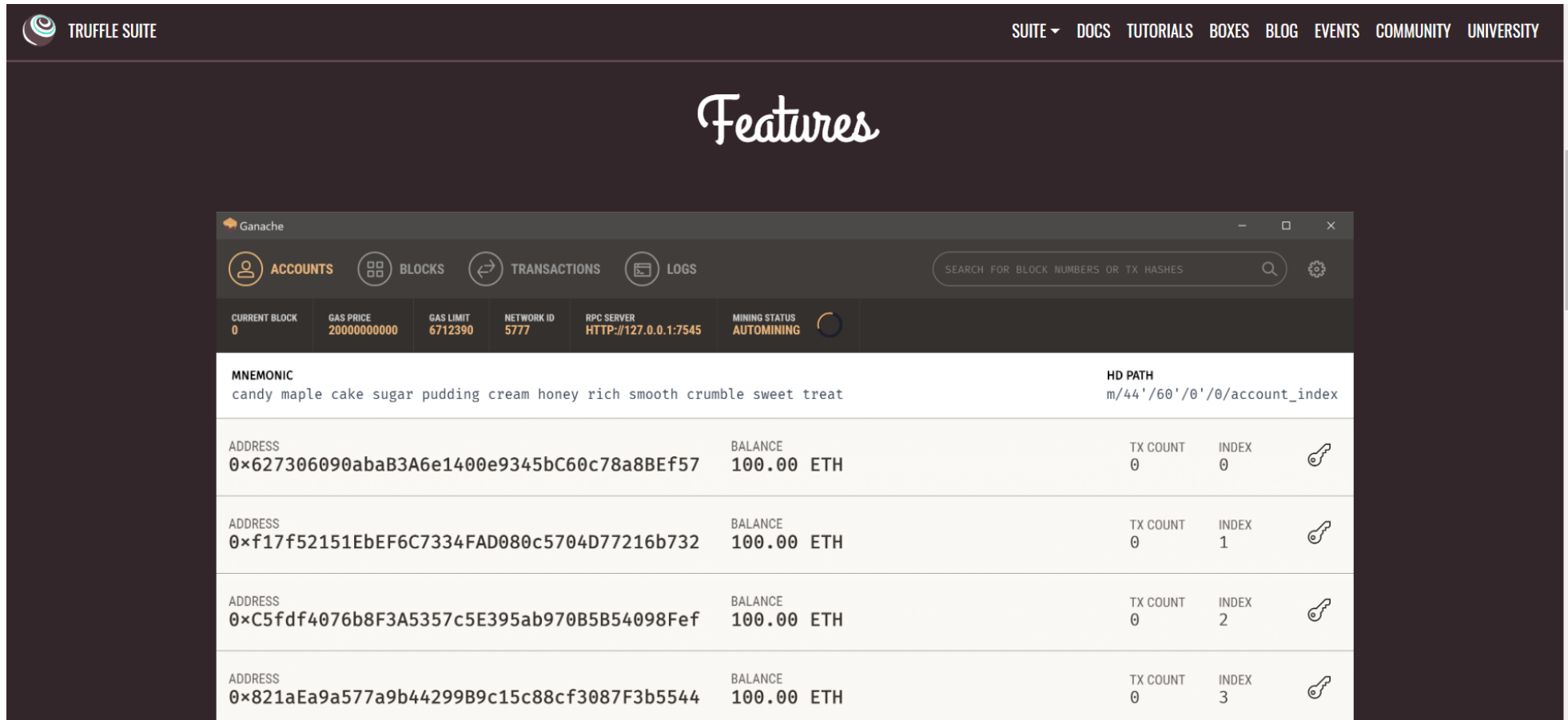
Demo

Remix



Local Testing and Deployment

Truffle



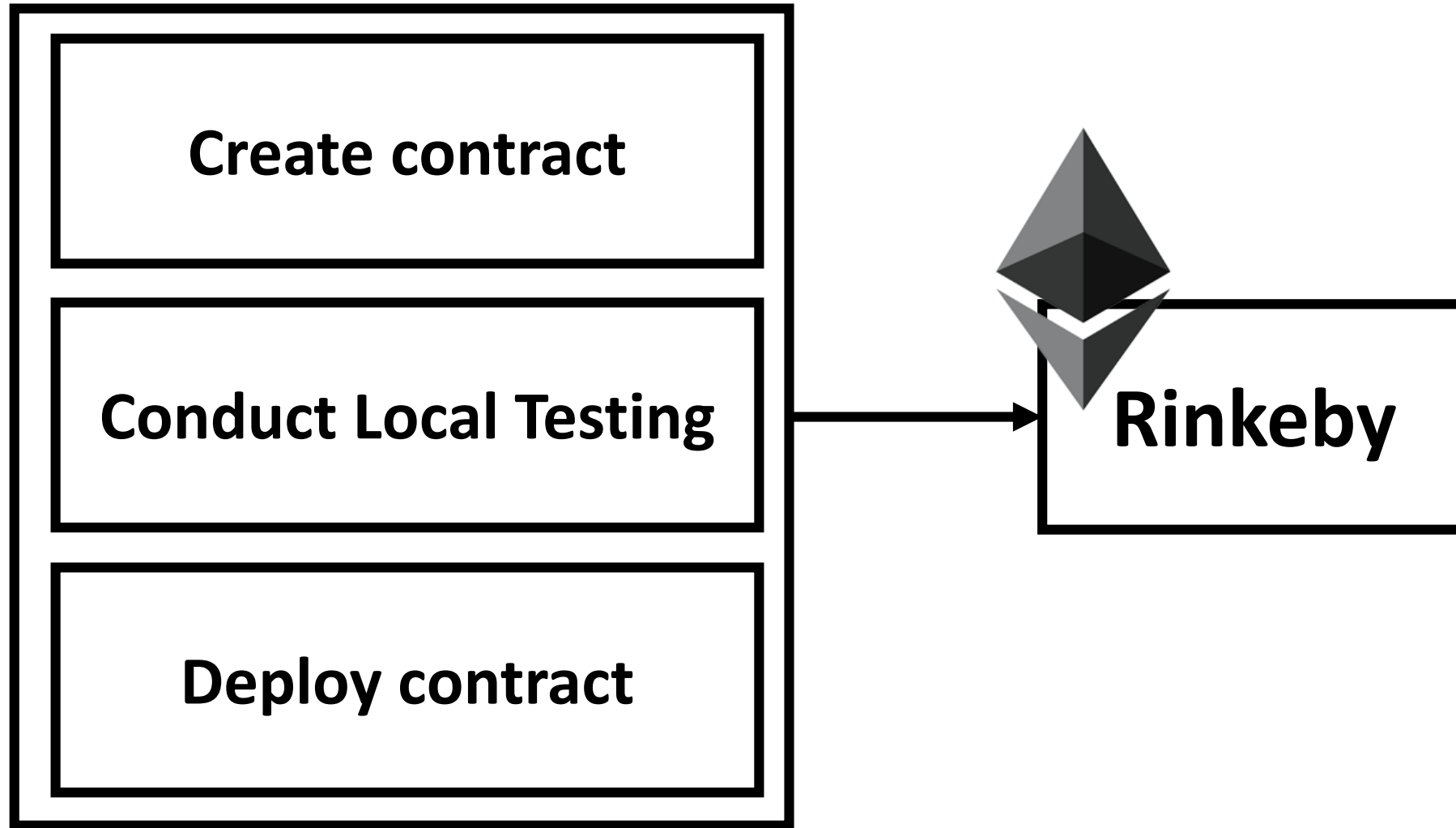
The screenshot displays the Truffle Suite interface, specifically the Ganache application. The top navigation bar includes the Truffle Suite logo and links to Suite, Docs, Tutorials, Boxes, Blog, Events, Community, and University. The main heading is "Features". Below this, the Ganache application window is shown with a dark theme. The interface includes a top bar with tabs for Accounts, Blocks, Transactions, and Logs. A search bar is present for block numbers or transaction hashes. Below the tabs, a status bar displays various metrics: Current Block (0), Gas Price (20000000000), Gas Limit (6712390), Network ID (5777), RPC Server (HTTP://127.0.0.1:7545), and Mining Status (Automining). The main content area shows a list of accounts with their mnemonics, HD paths, addresses, balances, transaction counts, and indices. Each account entry includes a key icon for importing the account.

MNEMONIC	HD PATH
candy maple cake sugar pudding cream honey rich smooth crumble sweet treat	m/44'/60'/0'/0/account_index

ADDRESS	BALANCE	TX COUNT	INDEX	
0x627306090abaB3A6e1400e9345bC60c78a8BEf57	100.00 ETH	0	0	🔑
0xf17f52151EbEF6C7334FAD080c5704D77216b732	100.00 ETH	0	1	🔑
0xC5fdf4076b8F3A5357c5E395ab970B5B54098Fef	100.00 ETH	0	2	🔑
0x821aEa9a577a9b44299B9c15c88cf3087F3b5544	100.00 ETH	0	3	🔑

<https://truffleframework.com/ganache>

Truffle



Ganache

Truffle Ecosystem

Web3



Ganache



Provider



web3 instance

Mocha

Truffle Ecosystem

Web3



Ganache

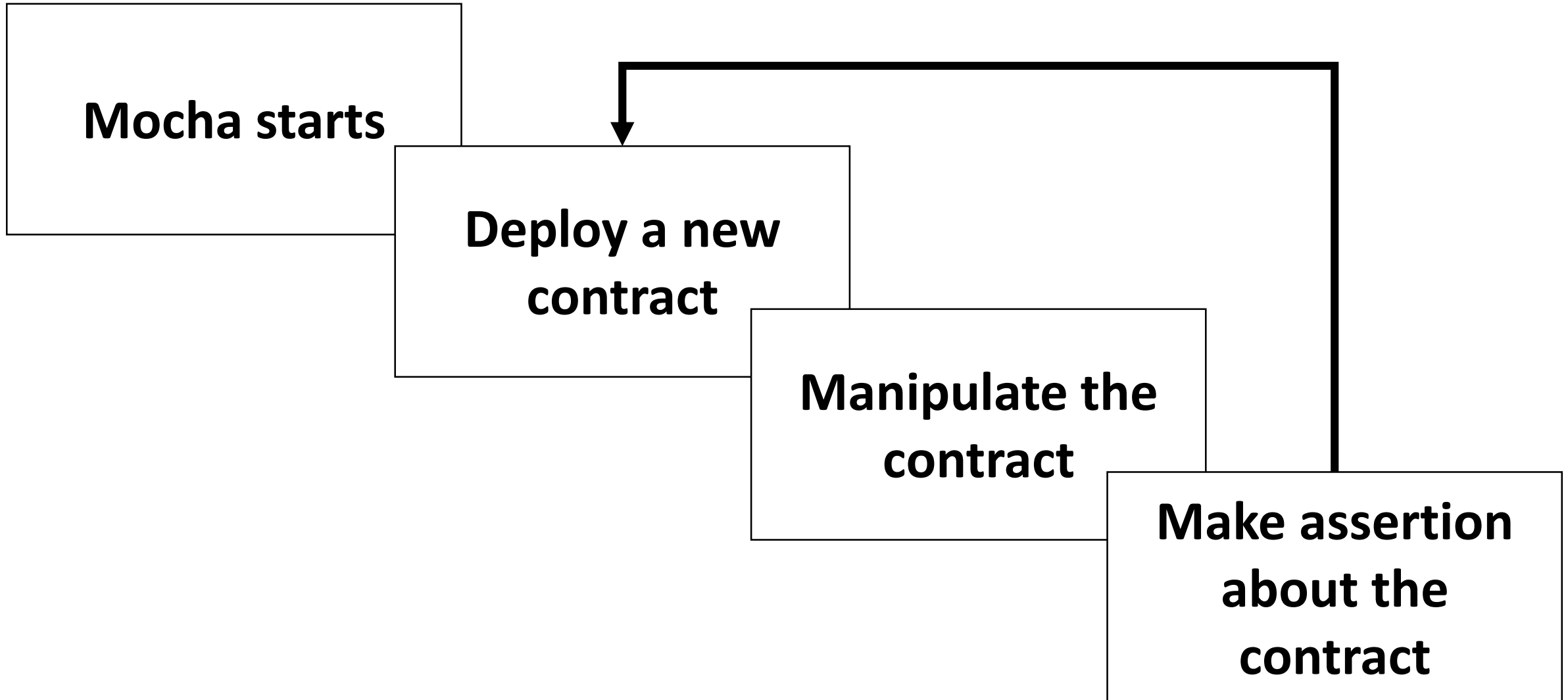
Provider

web3 instance

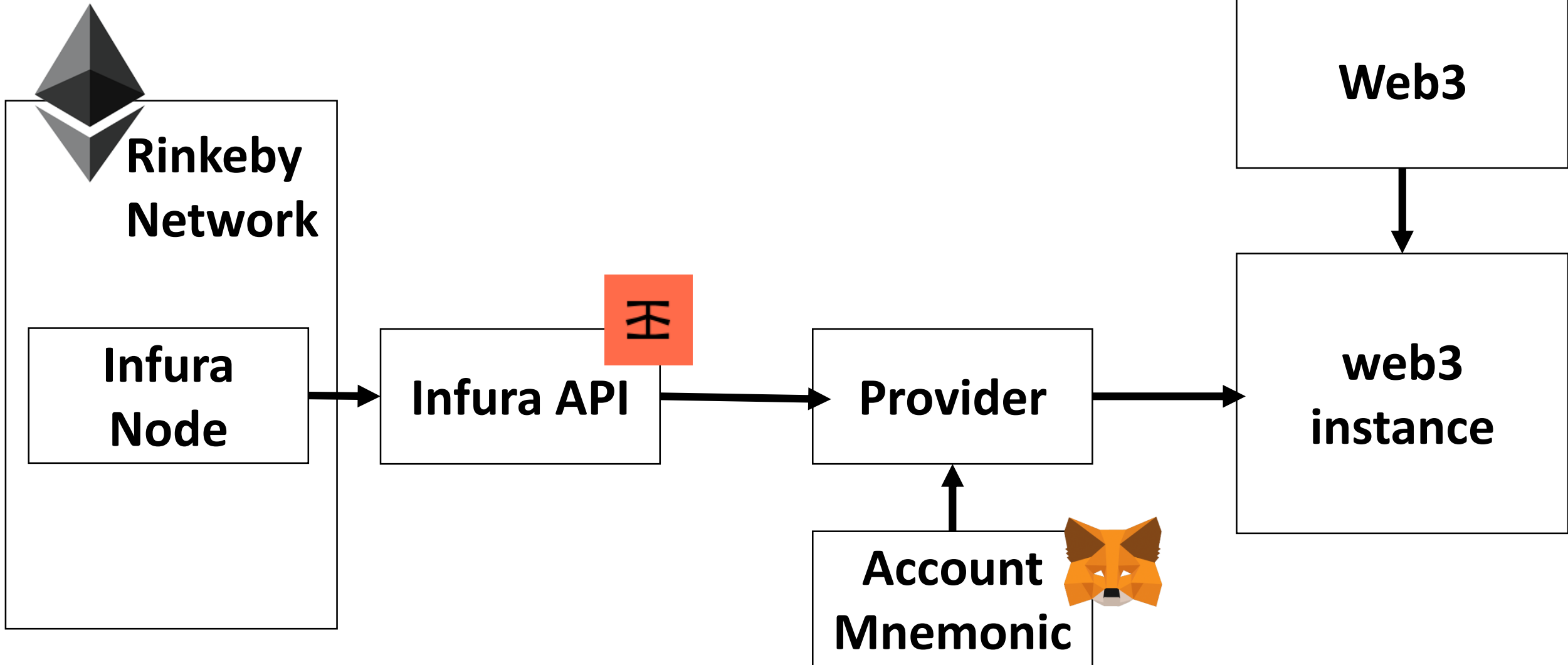
Mocha



Mocha Testing Flow



Infura



Infura

The screenshot shows the Infura dashboard with an orange header bar. On the left, there are navigation links for 'DASHBOARD' and 'STATS'. The main title 'INFURA' is centered in the header. On the right, there are icons for a menu and a user profile. Below the header, the dashboard is divided into sections. The 'YOUR PROJECTS' section on the left shows a project named 'RINKEBY API' with a green status icon. It lists the 'PROJECT ID' (8c585f463c5146a18bba4...), 'PROJECT SECRET' (1dfa087416834b0683b85...), and 'ENDPOINT' (mainnet.infura.io/v3/8c58...). To the right of this is a 'Whitelist Contract Address...' input field with an 'ADD' button. Below the input field is a circular icon with a document symbol and the text 'Whitelist Your Contracts' followed by an information icon. A description below reads: 'Search and whitelist the specific smart contracts that your application uses.' To the right of the main content area is a 'WHAT'S NEW' section with two updates. The first update, dated 'NOVEMBER 28, 2018', mentions a new community site at community.infura.io. The second update, dated 'NOVEMBER 13, 2018', mentions that stats are now live in the dashboard.

INFURA

DASHBOARD STATS

YOUR PROJECTS

CREATE NEW PROJECT

WHAT'S NEW

NOVEMBER 28, 2018

New community site is live at community.infura.io. Head there to submit bugs, ask questions, provide feedback, and request features.

NOVEMBER 13, 2018

Stats are live! You can now see your application's Infura activity directly in the Infura Dashboard.

See what calls are most common, how much bandwidth your app is using, and more. This is the

PROJECT ID
8c585f463c5146a18bba4...

PROJECT SECRET
1dfa087416834b0683b85...

ENDPOINT
mainnet.infura.io/v3/8c58...

Whitelist Contract Address... ADD

Whitelist Your Contracts

Search and whitelist the specific smart contracts that your application uses.

<https://infura.io/dashboard>

Project directory

