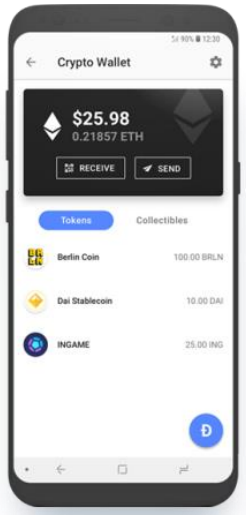
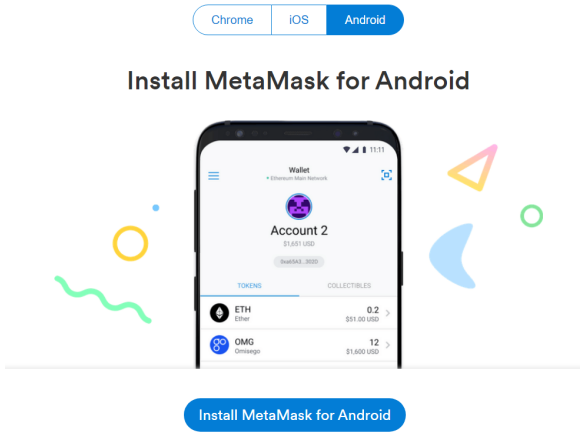
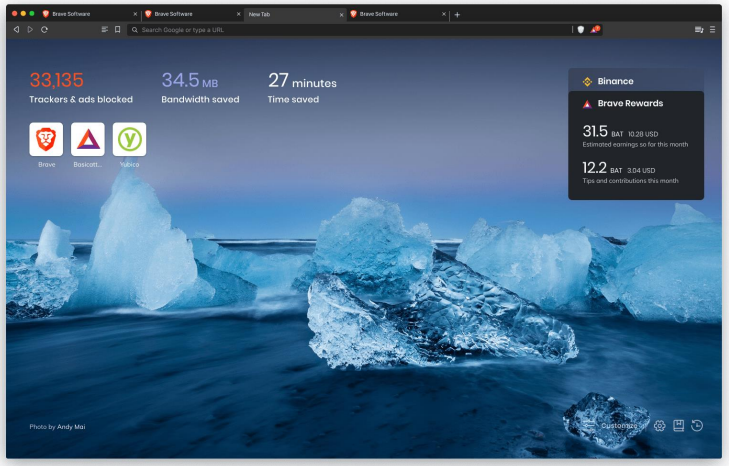
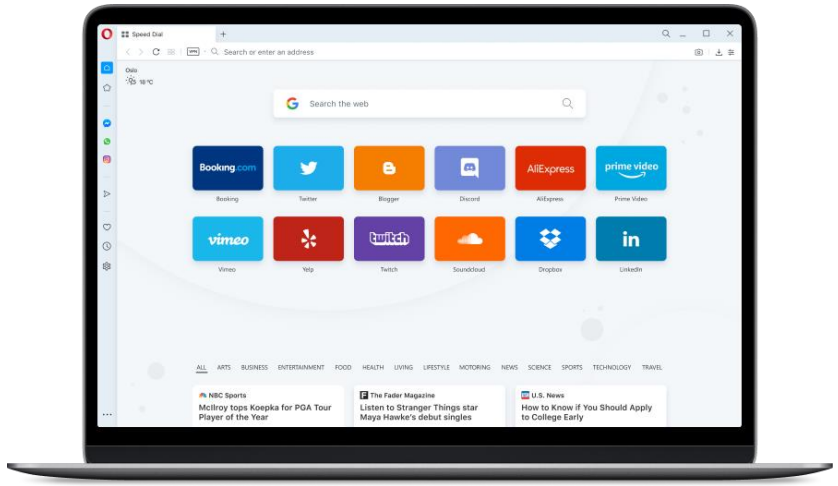
PD-6.0 Other web3 browsers

- PD-6.1 MetaMask Mobile
- PD-6.2 Opera
- PD-6.3 Brave
- PD-6.4 Conclusion





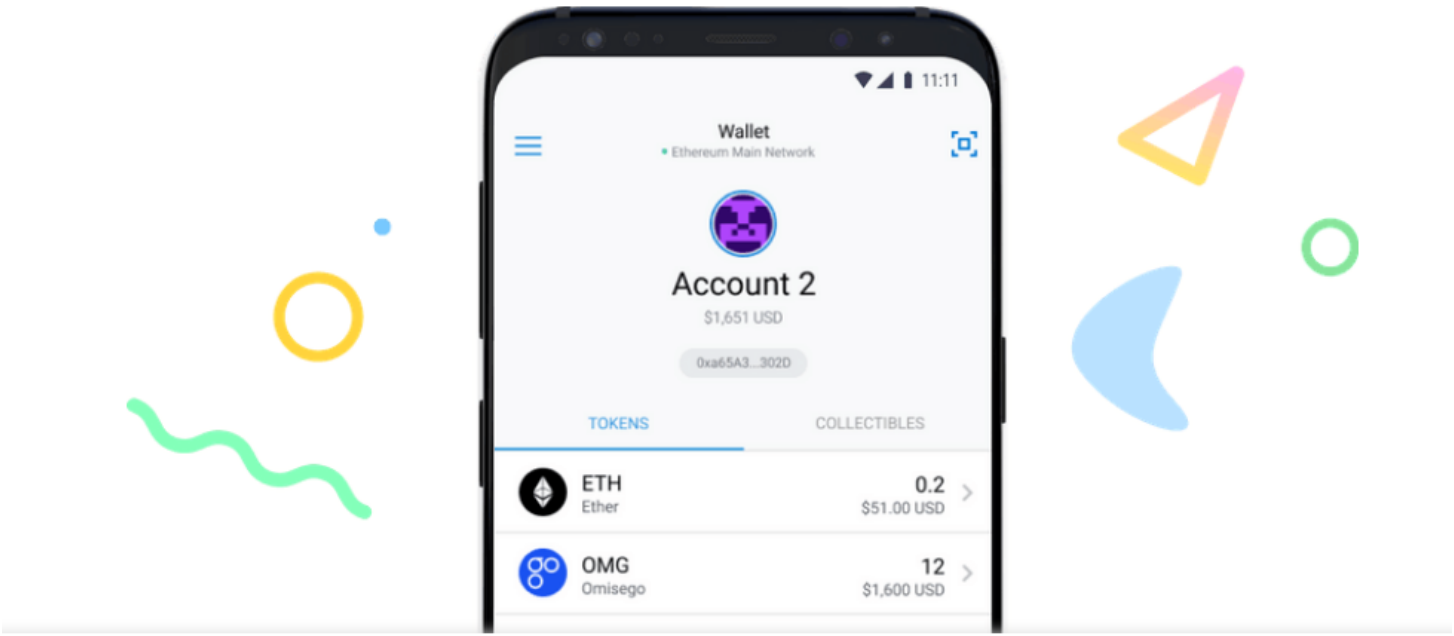




PD-6.1 MetaMask Mobile

Chrome | iOS | Android

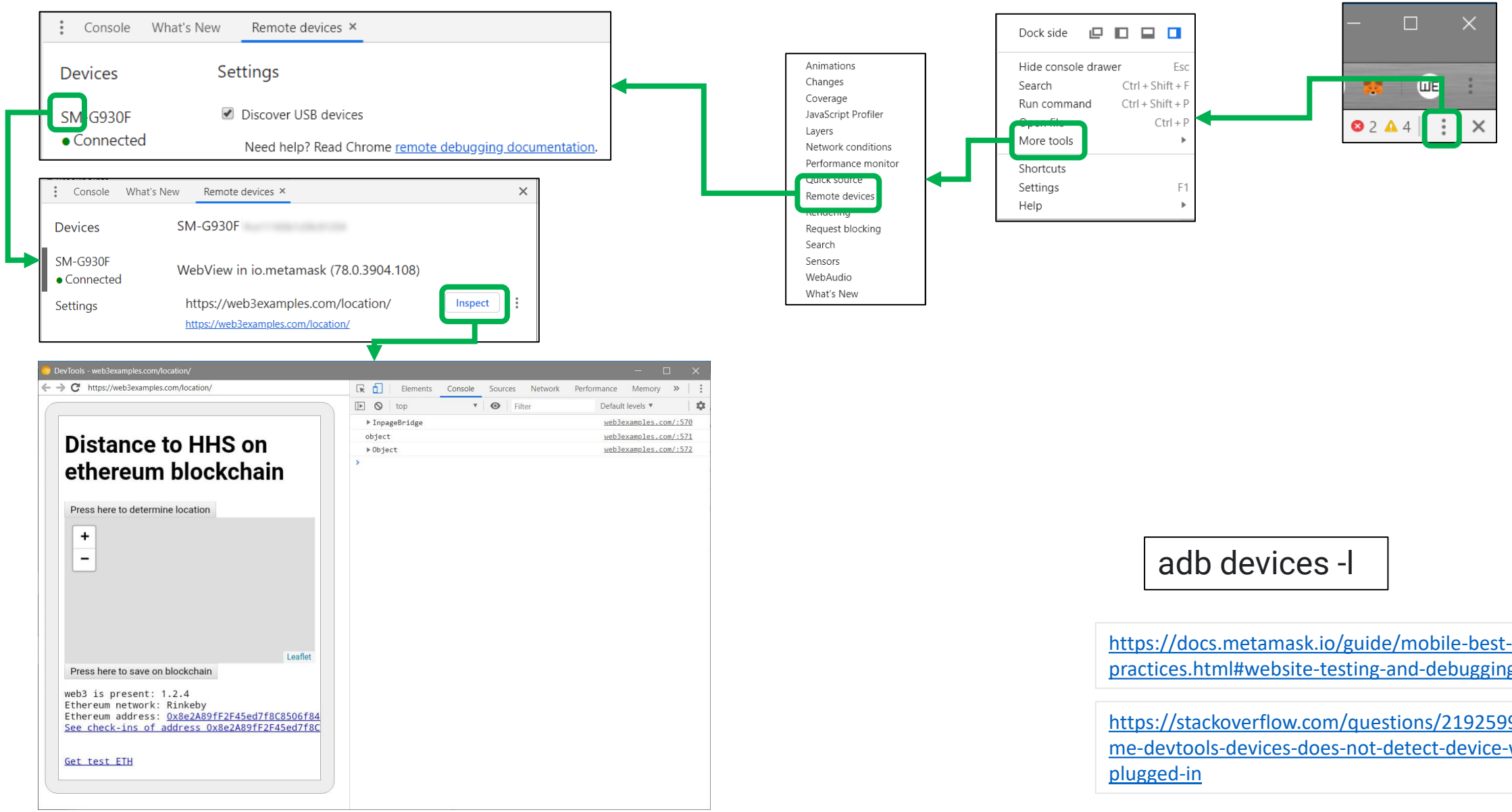
Install MetaMask for Android



Install MetaMask for Android

https://metamask.io/download.html

PD-6.1.1 Access mobile development console (debug)

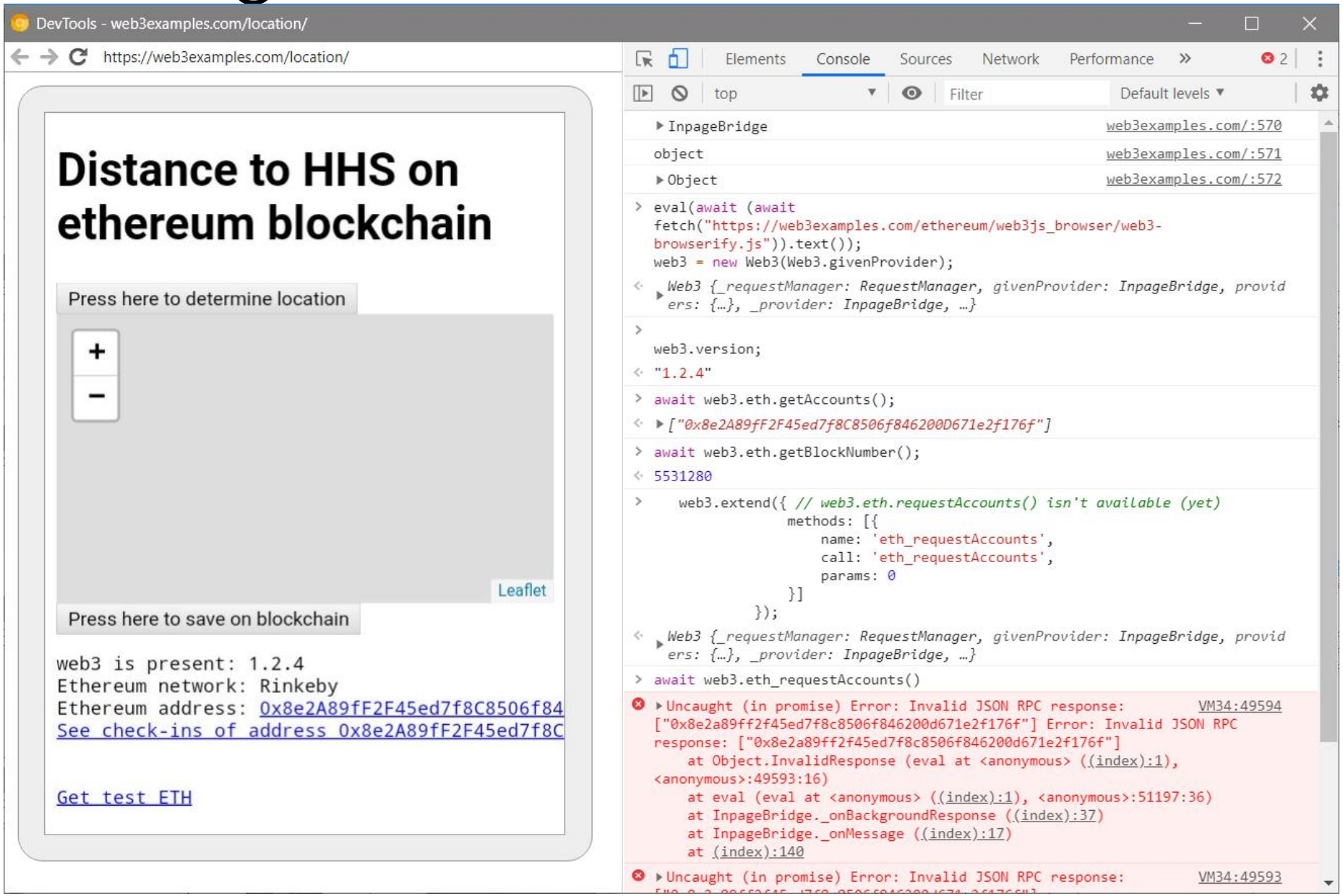


adb devices -l

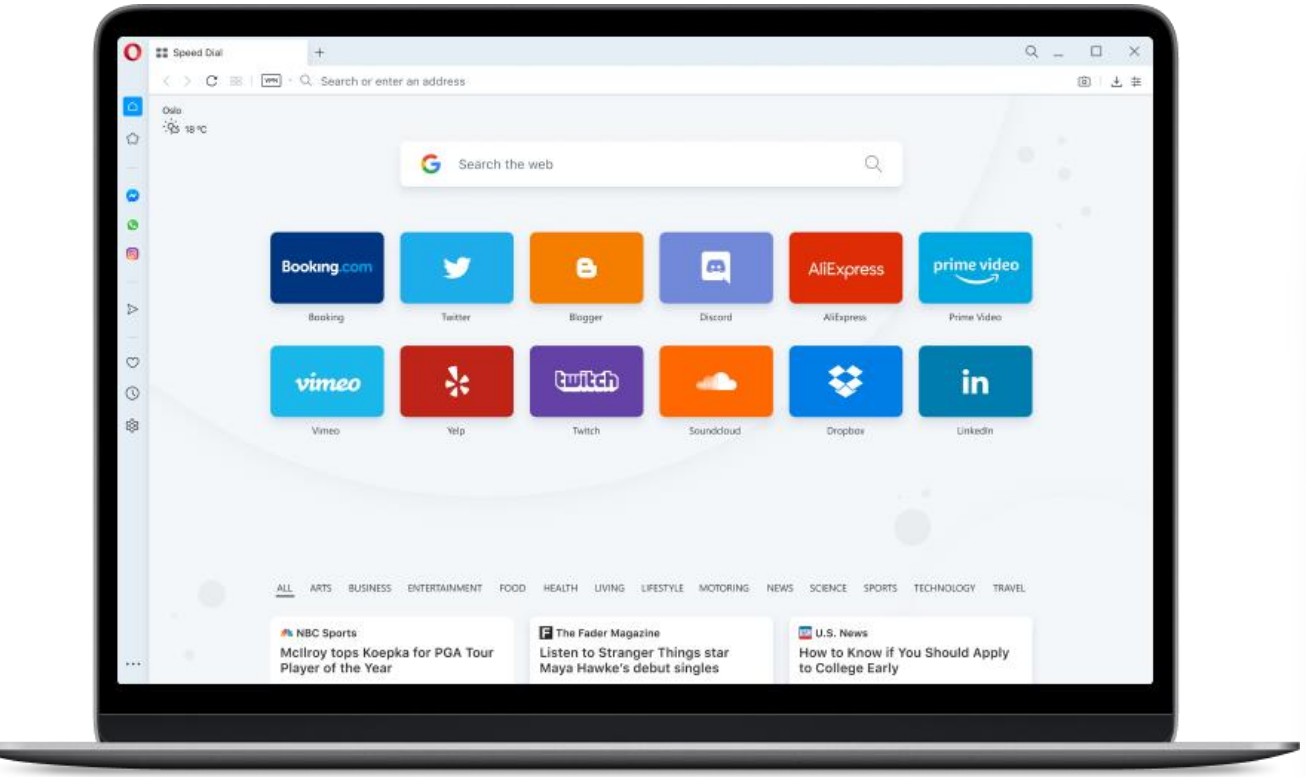
https://docs.metamask.io/guide/mobile-best-practices.html#website-testing-and-debugging

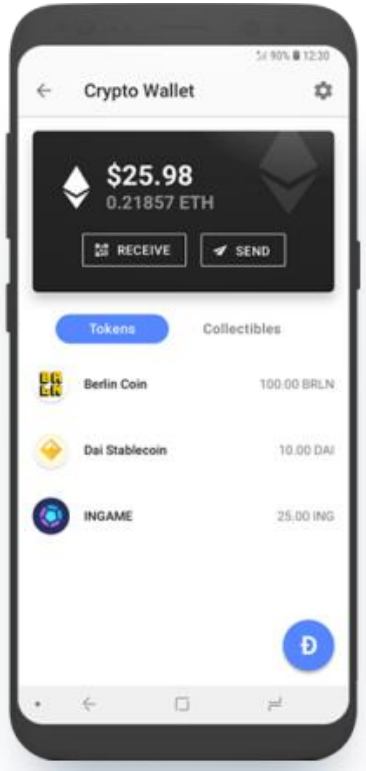
https://stackoverflow.com/questions/21925992/chrome-devtools-devices-does-not-detect-device-when-plugged-in

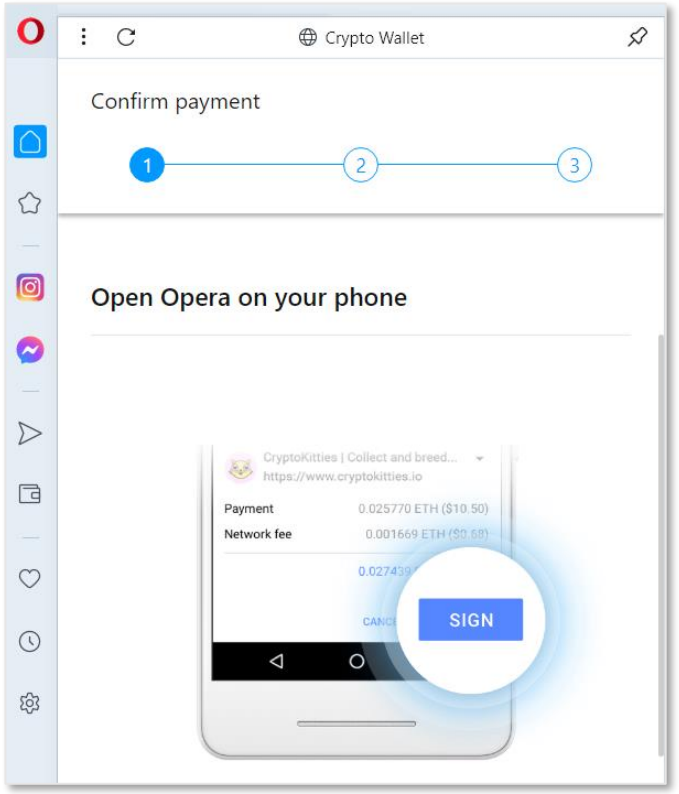
PD-6.1.1 Debug


DevTools - web3examples.com/location/
https://web3examples.com/location/
Distance to HHS on ethereum blockchain
Press here to determine location
Leaflet
Press here to save on blockchain
web3 is present: 1.2.4
Ethereum network: Rinkeby
Ethereum address: 0x8e2A89fF2F45ed7f8C8506f84
See check-ins of address 0x8e2A89fF2F45ed7f8C
Get test ETH
Elements
Console
Sources
Network
Performance
top
Filter
Default levels
InpageBridge web3examples.com/:570
object web3examples.com/:571
Object web3examples.com/:572
eval(await (await fetch("https://web3examples.com/ethereum/web3js_browser/web3-browserify.js")).text());
web3 = new Web3(Web3.givenProvider);
Web3 {_requestManager: RequestManager, givenProvider: InpageBridge, providers: {…}, _provider: InpageBridge, …}
web3.version;
"1.2.4"
await web3.eth.getAccounts();
["0x8e2A89fF2F45ed7f8C8506f846200D671e2f176f"]
await web3.eth.getBlockNumber();
5531280
web3.extend({ // web3.eth.requestAccounts() isn't available (yet)
methods: [{
name: 'eth_requestAccounts',
call: 'eth_requestAccounts',
params: 0
}]
});
Web3 {_requestManager: RequestManager, givenProvider: InpageBridge, providers: {…}, _provider: InpageBridge, …}
await web3.eth_requestAccounts()
Uncaught (in promise) Error: Invalid JSON RPC response: ["0x8e2a89ff2f45ed7f8c8506f846200d671e2f176f"] Error: Invalid JSON RPC response: ["0x8e2a89ff2f45ed7f8c8506f846200d671e2f176f"]
at Object.InvalidResponse (eval at <anonymous> ((index):1), <anonymous>:49593:16)
at eval (eval at <anonymous> ((index):1), <anonymous>:51197:36)
at InpageBridge._onBackgroundResponse ((index):37)
at InpageBridge._onMessage ((index):17)
at (index):140
VM34:49594
Uncaught (in promise) Error: Invalid JSON RPC response:
VM34:49593

PD-6.2 Opera



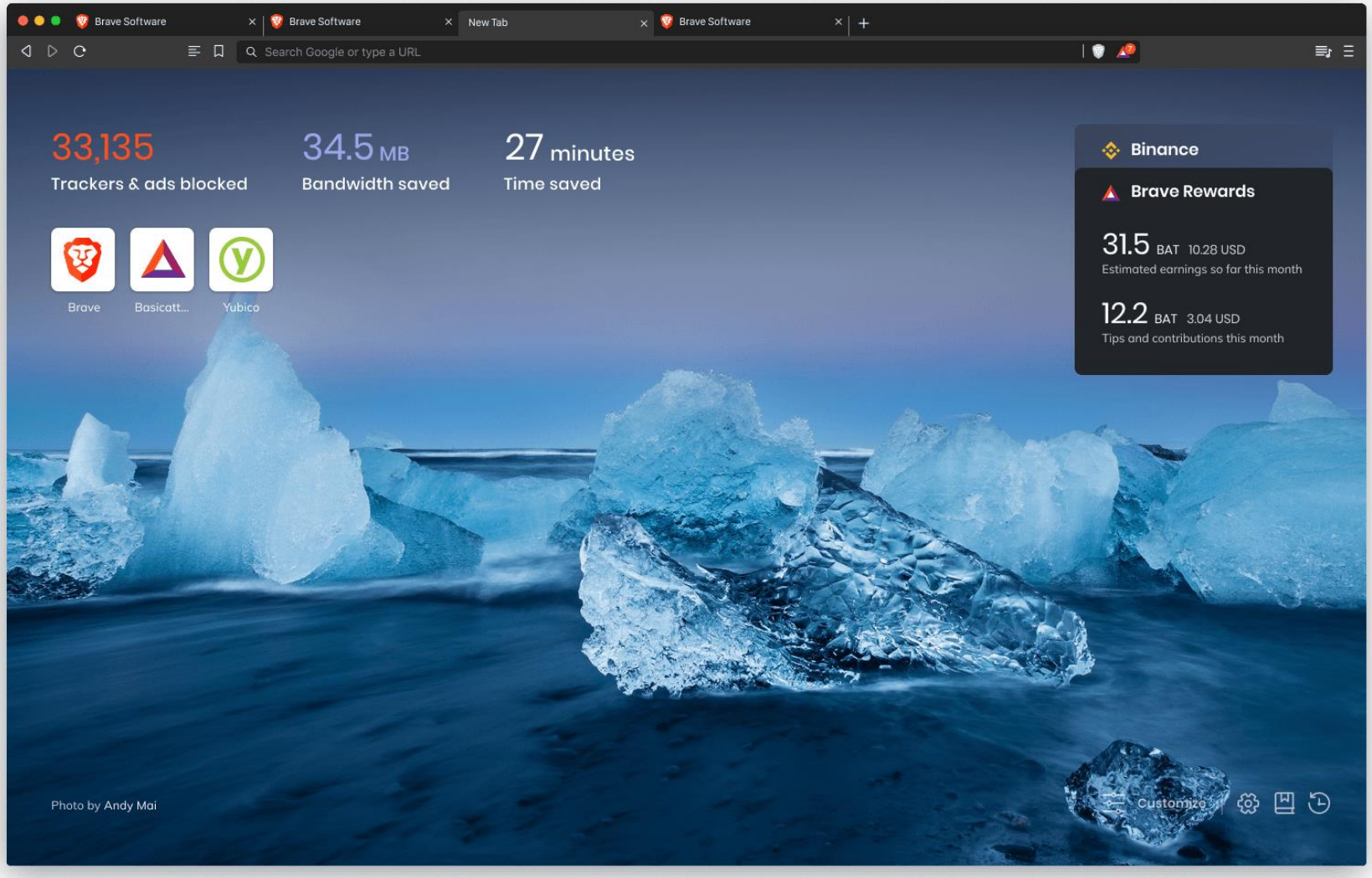


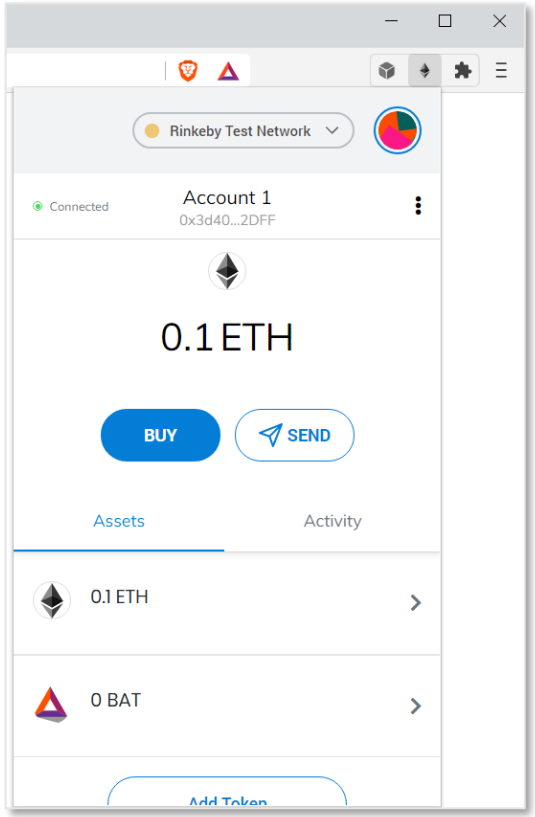


https://www.opera.com

https://www.opera.com/crypto

PD-6.3 Brave Browser





https://brave.com

PD-6.4 Conclusion

- Different browsers have different implementations
  - ➔ test your Dapp in different environments

Doesn’t work in Opera

- ethereum.enable()
- ethereum.on('chainChanged’, ..
- ethereum.on('networkChanged’,… // still used in metamask mobile
- ethereum.on('chainIdChanged’,
- ethereum.on('accountsChanged’…