

CS 290
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How-To Proposal

I will be doing my How-To Guide on the Web3 JavaScript API that allows interaction with the Ethereum Blockchain.

<https://github.com/ethereum/wiki/wiki/JavaScript-API>

The How-To Guide will consist of multiple steps. First, I will introduce and briefly explain what Ethereum is.

Second, I will walk through a simple smart contract written in Solidity, the programming language for the Ethereum Blockchain.

<https://ethereum.github.io/browser-solidity/#version=soljson-v0.4.9+commit.364da425.js>
<https://solidity.readthedocs.io/en/develop/>

Third, I will show how to use the Web3 JavaScript API to interact with the smart contract that was previously written. The smart contract resides on the Ethereum Blockchain.

Fourth, I will recap the steps above and also explain the results. And in closing, I will provide links to working applications that use the Ethereum Blockchain.