

Ethereum: Ethereumjs-lib Project

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Note: The following is an excerpt from the official Ethereum site. It is provided here as a convenience and is not authoritative. Refer to the original document as the authoritative reference.

Table 1: Data sheet for Ethereum Ethereumjs-lib Project

Title	Ethereum Ethereumjs-lib Project
Language	Javascript
Created	2016
Repository	https://github.com/ethereumjs/ethereumjs-lib
Description	http://www.ethdocs.org/en/latest/ethereum-clients/ethereumjs-lib/index.html
Category	Client

Abstract

ethereumjs-lib is the javascript library of core Ethereum functions as described in the Yellow Paper¹⁾. This is a simple meta-module that provides the following modules. Most JS modules are tracked in ethereumjs

- *VM - The Ethereum virtual machine and state processing functions*
- *Blockchain - Blockchain management*
- *Block - Block Schema definition and validation*
- *Transaction - Transaction Schema definition and validation*
- *Account - Account Schema definition and validation*
- *rlp - Recursive Length Prefix serialization*
- *Trie - Modified Merkle Patricia Tree*
- *Ethash - Ethereum's Proof of Work algorithm*
- *utils - Miscellaneous helper functions*
- *devp2p - The networking protocol*
- *devp2p-dpt - The disputed peer table*

¹⁾

"ETHEREUM: A SECURE DECENTRALISED GENERALISED TRANSACTION LEDGER BYZANTIUM VERSION 3e36772 - 2019-05-12", <https://ethereum.github.io/yellowpaper/paper.pdf>

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