

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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