

2.3.3.2 Lightweight Node (Wallet)

[return to Node Taxonomy](#)

Lightweight nodes keep a shallow copy of blockchain transactions¹⁾ and are used in day-to-day crypto operations. Within the cryptocurrency world, lightweight nodes are also referred to as simple payment verification (SPV) nodes or [wallet](#) nodes. Lightweight nodes communicate with the ledger through full nodes.²⁾

Standards

Technical Standards

- [ISO/IEC 9899:2018 Programming languages -- C](#)
- [ISO/IEC 14882:2017 Programming languages -- C++](#)
- [ECMA: Standard ECMA-262 - ECMAScript® 2018 Language Specification \(Javascript\)](#)
- [ECMA: Standard ECMA-334 - C# Language Specification](#)
- [ECMA: Standard ECMA-335 - Common Language Infrastructure \(CLI\)](#)
- [ECMA: Technical Report TR/84 - Common Language Infrastructure \(CLI\) - Information Derived from Partition IV XML File](#)
- [ECMA: Technical Report TR/89 - Common Language Infrastructure \(CLI\) - Common Generics](#)
- [RFC5424 - The Syslog Protocol \(SYSLOG\)](#)
- [W3C: RDF 1.1 Terse RDF Triple Language \(Turtle\)](#)
- [W3C: OWL 2 Web Ontology Language - Structural Specification and Functional-Style Syntax \(second Edition\)](#)
- [W3C: RDF 1.1 Concepts and Abstract Syntax \(RDF\)](#)
- [W3C: SPARQL 1.1 Overview \(SPARQL\)](#)
- [W3C: Cascading Style Sheets Level 2 Revision 2 \(CSS 2.2\) Specification](#)
- [W3C: HTML5 \(HTML5\)](#)
- [W3C: Extensible Markup Language \(XML\) 1.0 \(Fifth Edition\)](#)
- [W3C: XML Schema Definition Language \(XSD\) 1.1 Part 1: Structures](#)
- [W3C: XML Schema Definition Language \(XSD\) 1.1 Part 2: Datatypes](#)
- [W3C: XSL Transformations \(XSLT\) Version 3.0](#)
- [W3C: Document Object Model \(DOM\) Level 3 Core Specification](#)
- [W3C: XML Path Language \(XPath\) 3.1](#)
- [OMG: Data Distribution Service \(DDS\)](#)
- [OMG: DDS Interoperability Wire Protocol \(DDSI-RTPS\)](#)
- [OMG: ISO/IEC C++ 2003 Language DDS PSM \(DDS-PSM-Cxx\)](#)
- [OMG: Java 5 Language PSM for DDS \(DDS-Java\)](#)
- [OMG: OPC-UA/DDS Gateway \(DDS-OPCUA\)](#)
- [OMG: RPC Over DDS \(DDS-RPC\)](#)
- [OMG: DDS Security \(DDS-SECURITY\)](#)
- [OMG: Web-Enabled DDS \(DDS-WEB\)](#)

- [OMG: DDS Consolidated XML Syntax \(DDS-XML\)](#)
- [OMG: DDS For Extremely Resource Constrained Environments \(DDS-XRCE\)](#)
- [OMG: Extensible and Dynamic Topic Types for DDS \(DDS-XTypes\)](#)

de facto Standards

- [Apache: Log4j](#)
- [Apache: Log4cxx](#)
- [Apache: log4php](#)
- [Apache: log4net](#)
- [Apache: log4jscala](#)
- [Bitcoin: Developer's Guidance](#)
- [Ethereum: cpp Project](#)
- [Ethereum: Ethereumh Project](#)
- [Ethereum: Ethereumjs-lib Project](#)
- [Ethereum: Ethereum_j Project](#)
- [Ethereum: Go-ethereum Project](#)
- [Ethereum: Parity Project](#)
- [Ethereum: Pyethapp Project](#)
- [Ethereum: Ruby-ethereum Project](#)
- [EIP 20: ERC-20 Token Standard](#)
- [ethereum_vm](#)
- [ethereum_solidity](#)
- [Linux Foundation: Hyperledger](#)
- [Oracle: The Java® Language Specification SE 8 Edition](#)
- [Oracle: The Java® Virtual Machine Specification JVM](#)
- [Oracle: Java logger API](#)
- [Google: Go \(software language\)](#)
- [ipfs](#)

Tools

- None at this time

¹⁾

Osita Chibuike, 21 May 2018, Legobox, <https://dev.to/legobox/how-to-setup-an-ethereum-node-41a7>

²⁾

“Blockchain Nodes: An In-Depth Guide”, <https://nodes.com/>

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