

Avalanche

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Avalanche is an [Open Source Software \(OSS\)](#), programmable [Smart Contract Platform](#) for [Decentralized Applications](#). **AVAX** is the native [Cryptocurrency](#) of the [Platform](#).

Avalanche uses a quorum based consensus mechanism to achieve agreement in a similar process to a parliament: a proposal ([Transaction](#)) is proposed, and voted on to be **accepted** or **rejected**. When sufficient votes are cast by the various replicas and accumulated (typically collected through by elected leader replica), then a quorum is achieved, and the agreement is achieved validating the transaction. ¹⁾

Source: <https://www.avax.network/>

¹⁾

Tanana, Dmitry, [Avalanche blockchain protocol for distributed computing security](#), 2019 IEEE International Black Sea Conference on Communications and Networking (BlackSea Com), Institute of Electrical and Electronics Engineers. pp. 1-3. [doi:10.1109/BlackSeaCom.2019.8812863](https://doi.org/10.1109/BlackSeaCom.2019.8812863) ISBN 978-1-7281-3234-1. S2CID 201649683

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