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The Importance of a Platform-Agnostic Bytecode for a Decentralized Network

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Abstract

How can a distributed network agree on the execution of an arbitrary code in a trust-free way? Currently there is plenty of solution to achieve that, every solution differs by the network's structure and protocols but the common ground is the presence of a bytecode that is able to run arbitrary code in a deterministic manner. The following 'paper' will describe the basic characteristics of a Platform Agnostic Bytecode and how is used in Polkadot, a distributed network that 'aims to provide a scalable and interoperable framework for multiple chains with pooled security'(polkadot-overview paper).

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