



polygon zkEVM

Knowledge Layer

Architecture

Pre-requisites

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1 Pre-requisites

A comprehensive understanding of the following key areas is necessary to fully follow the documentation:

- **Basics of the Ethereum L1 Execution Layer:**
 - How Smart Contracts work.
 - Basics about Token Smart Contracts (mainly ERC20).
- **Basic cryptographic concepts:**
 - Digital signatures.
 - Hashes and Merkle Trees.
- **Programming Languages:**
 - The zkEVM node is written in **Golang**.
 - The executor and the prover are written in **C++**.
 - The smart contracts are written in **Solidity**.
 - While not the primary language for production software, a basic understanding of **JavaScript** is recommendable to follow the documentation.