

# WHAT IS SOLIDITY & ETHEREUM VIRTUAL MACHINE?

# WHAT IS SOLIDITY?

- High-level object-oriented language for smart contracts
- Solidity was initially proposed in August 2014 by Gavin Wood
- Solidity lets you program on [Ethereum](#), a blockchain-based virtual machine
- Solidity is a statically typed programming language
- A Contract programming language that has similarities to Javascript and C
- Contract-specific features include modifier (guard) clauses, event notifiers for listeners, and custom global variables.
- Solidity is compiled to [bytecode](#) that is executable on the EVM

# WHAT IS ETHEREUM VIRTUAL MACHINE

- Ethereum is a programmable Blockchain
- It allows user to create their own operations
- Ethereum in the narrow sense refers to a suite of protocols that define a platform for decentralized applications.
- At the heart of it is the Ethereum Virtual Machine (“EVM”), which can execute code of arbitrary algorithmic complexity.
- In computer science terms, Ethereum is “Turing complete”.
- Developers can create applications that run on the EVM using friendly programming languages modelled on existing languages like JavaScript and Python.

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