# Packages

This page introduces the key components of Tokamak zk-EVM and where to find them.

## Core Components

Tokamak zk-EVM consists of several key components, each available as open-source repositories:

### Core Package

**Repository**: <https://github.com/tokamak-network/Tokamak-zk-EVM>

**Releases**: <https://github.com/tokamak-network/Tokamak-zk-EVM/releases>

Contains the complete Tokamak zk-EVM system:

* **Synthesizer**: Frontend compiler that converts Ethereum transactions to circuit representations
* **QAP Compiler**: Circuit library with pre-compiled subcircuits for EVM operations
* **Prover & Verifier**: Backend proof generation and verification system

### GUI Playground

**Repository**: <https://github.com/tokamak-network/Tokamak-zk-EVM-Playgrounds>

**Releases**: <https://github.com/tokamak-network/Tokamak-zk-EVM-Playgrounds/releases>

Portable desktop application that enables:

* One-click proof generation
* Easy access for non-developers and non-technical users

### CLI Tool

**Repository**: <https://github.com/tokamak-network/create-tokamak-zk-evm>

Command-line interface for:

* Quick proof generation and verification
* Development and testing workflows
* Integration with existing projects

## Quick Links

* [Tokamak zk-SNARK Paper](https://eprint.iacr.org/2024/507)
* [Project Tokamak zk-EVM (Medium)](https://medium.com/tokamak-network/project-tokamak-zk-evm-67483656fd21)
* [Project Tokamak zk-EVM (Slide)](https://docs.google.com/presentation/d/1D49fRElwkZYbEvQXB_rp5DEy22HFsabnXyeMQdNgjRw/edit?usp=sharing)
* [Contributing Guidelines](https://github.com/tokamak-network/Tokamak-zk-EVM/blob/main/CONTRIBUTING.md)
* [GitHub Issues](https://github.com/tokamak-network/Tokamak-zk-EVM/issues)
* [GitHub Discussions](https://github.com/tokamak-network/Tokamak-zk-EVM/discussions)