

Alto Bundler

Alto is a performant, type-safe ERC-4337 bundler written in Typescript.

Our focus is on full type safety, transaction inclusion reliability (even in the case of sudden gas price spikes or chain reorgs), as well as transaction inclusion speed.

Tutorials

Learning-oriented lessons that take you through a series of steps to complete a project. Most useful when you want to get started with Pimlico. They all involve the Alto Bundler.

- [Tutorial 1](#)
- leverages the Alto Bundler to create and bundle a user operation on-chain.
- [Tutorial 2](#)
- leverages the Alto Bundler to create and bundle a user operation on-chain using more lower-level permissionless functions.
- [Tutorial 3](#)
- leverages the Alto Bundler again, but using the [ERC-20 paymaster](#)
- instead of the Verifying Paymaster

How-To Guides

Step-by-step instructions to accomplish a specific goal. They are useful when you are trying to find out how to do something with Pimlico.

References

References provide specific technical descriptions. They are most useful when you need detailed information about Pimlico's APIs.