How to use the popCapsule oracle

On this page you will learn how to use thepopCapsule oracle. To see what other oracles are available in Aztec.nr, go here .

How to use the popCapsule oracle

popCapsule is used for passing artbitrary data. We have not yet included this in Aztec.nr, so it is a bit more complex than the other oracles. You can follow this how-to:

1. Define the pop_capsule function

In a new file on the same level as yourmain.nr , implement an unconstrained function that calls the pop_capsule oracle:

pop_capsule

[oracle(popCapsule)]

fn

pop_capsule_oracle < N

    ( )

->

[Field ;

N]

{ }

// A capsule is a "blob" of data that is passed to the contract through an oracle. unconstrained pub

fn

pop_capsule < N

    ( )

->

[Field ;

N]

{ pop_capsule_oracle ( ) }Source code: noir-projects/noir-contracts/contracts/slow_tree_contract/src/capsule.nr#L1-L9

2. Import this into your smart contract

If it lies in the same directory as your smart contract, you can import it like this:

import_pop_capsule use

crate :: capsule :: pop_capsule ;Source code: noir-projects/noir-contracts/contracts/slow_tree_contract/src/main.nr#L19-L21

3. Use it as any other oracle

Now it becomes a regular oracle you can call like this:

pop_capsule let fields =

pop_capsule ( ) ;Source code: noir-projects/noir-contracts/contracts/slow_tree_contract/src/main.nr#L55-L57 Edit this page

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