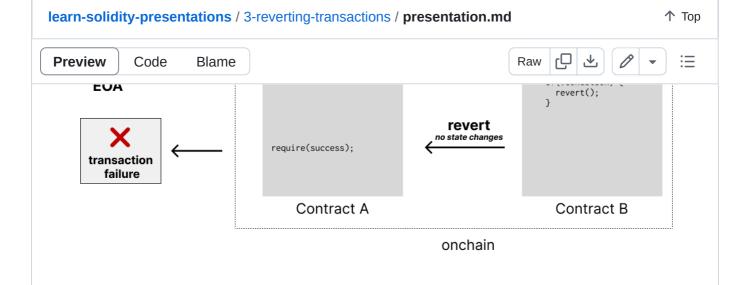


80 lines (57 loc) · 1.31 KB

marp true

Revert

- We talk to a contract with message calls
- A contract can REVERT a call, negating all state changes
- Each calling contract can choose to handle that success, or REVERT as well



Message Call Revert

🙅 No state changes occur

- Mo value is transfered
- Mo logs are emitted
- 🗟 Gas is still spent

Require

Often you'll see require used like this:

```
contract X {
    // shorthand!
    address owner = msg.sender;

function ownerOnly() external {
    // REVERT if not the owner
    require(msg.sender == owner, "only owner!");
    // do something owner-y
  }
}
```

Revert

Revert can be used with a string revert ("Unauthorized") or, better yet:

```
contract X {
    // @notice a non-privileged user attempted to access an admin-only
    error Unauthorized();

function adminOnly() external {
    if (!isAdmin(msg.sender)) {
        revert Unauthorized();
    }
    }
}
```



Assert

Use assert with things that should not happen:

```
contract X {
   function withdraw() external {
    uint balance = getBalance(msg.sender);
    sendBalance(msg.sender);

   // they should not still have a balance!
   assert(getBalance(msg.sender) == 0);
}
```