

AA22 expired or not due

The signature used in the user operation is not valid, because it is outside of the time range it specified.

The smart account's `validateUserOp` function returns `validationData`, a `bytes32` field. This field is a concatenation of the `validAfter`, `validUntil`, and `aggregator` fields.

This error occurs when the `block.timestamp` falls after the `validUntil` timestamp, or before the `validAfter` timestamp.

Possible solutions

- If you are looking to use time-based signatures, verify that the `validAfter`
- and `validUntil`
- fields are set correctly and that the user operation is sent within the specified range.
- If you are not
- looking to use time-based signatures, verify that the `validAfter`
- and `validUntil`
- fields are set to 0
- .

Tip If you are not looking to use neither time-based signatures nor a signature aggregator, it is recommended to simply return `uint(0)` for valid signatures and `uint(1)` for invalid signatures in the smart account's `validateUserOp` function.