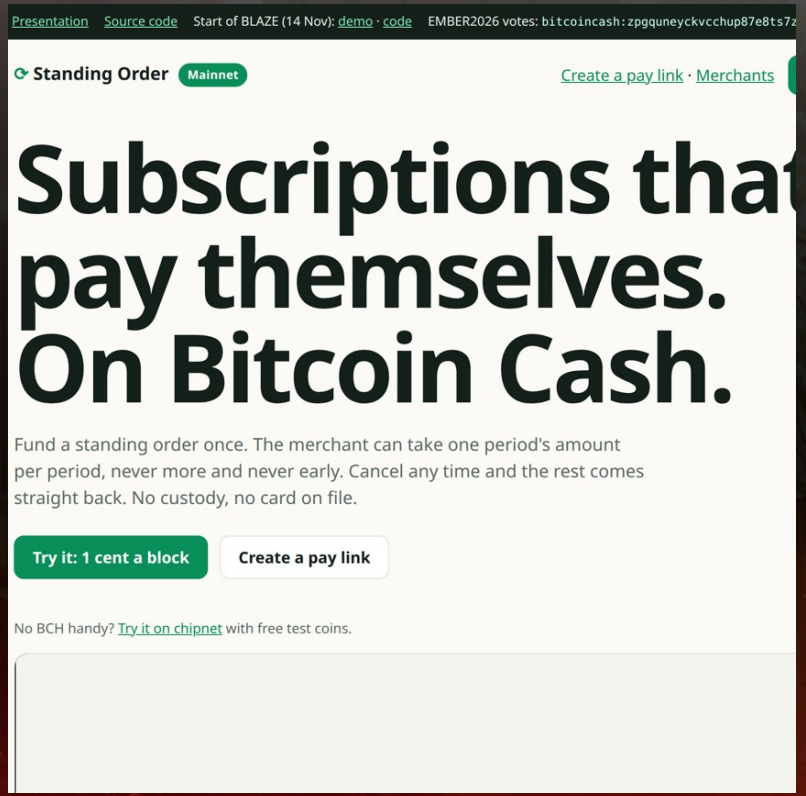
Standing Order

Team: Swift Bot Labs



standing-order.swiftbotlab.workers.dev

swiftbotlab

swiftbotlabs

Standing Order

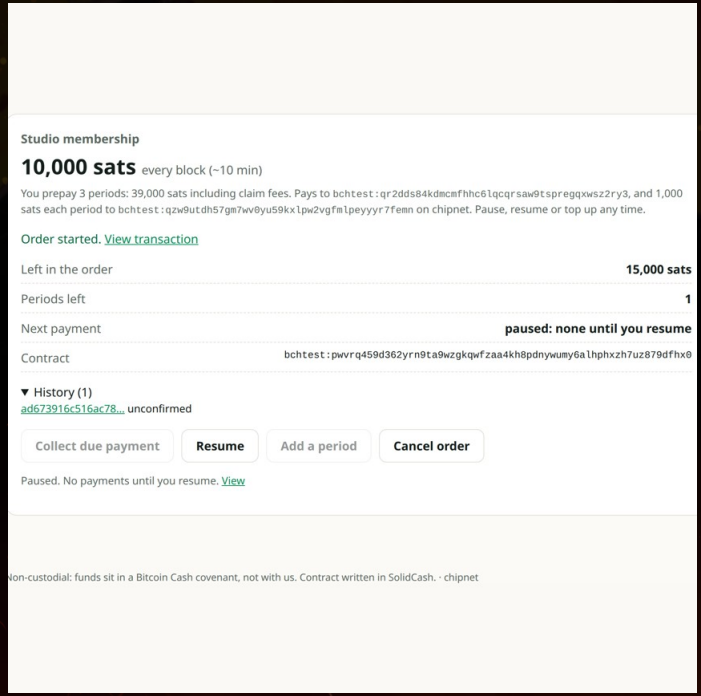
Subscriptions that pay themselves, on Bitcoin Cash

Source: github.com/swiftbotlabs/standing-order

The Story of Standing Order

Recurring payments are how most of the internet gets paid: software, newsletters, memberships, donations. On Bitcoin Cash every payment is a push, so the subscriber has to remember, every period, forever.

We wanted card-on-file convenience without the custody: the money stays in a contract the subscriber controls, and the merchant can only take what was agreed, when it was agreed.



Benefits

- Merchants get paid on schedule, collected automatically
- Subscribers prepay once and cancel any time
- No custody: no one can move the funds outside the rules
- Price in BCH or in PUSD, so a $5 plan stays $5
- Pause, resume, split with a partner, change plan: on chain
- Works with Selene and Paytaca (WizardConnect): scan, approve, done

BCH Usage

Built in the window: pause / resume, a split payee, a two-party plan change.
Each one proven on mainnet with real BCH.
Contracts +175 lines · tests 35 -> 77 · one-page threat model.

```
function claim() {
    require(this.age >= period, "one claim per period");
    // pays the merchant one period, plus the split payee, change stays in the order
}
function pause() onlySubscriber {
    int k = paysOnePeriod(merchant, amountPerPeriod, splitPayee, splitAmount, maxFee);
    bytes32 self = bytes32(tx.inputs[0].lockingBytecode.slice(2, 34));
    bytes pausedScript = 0x20 + self + 0x14 + subscriber + PAUSED_TEMPLATE;
    require(tx.outputs[k].lockingBytecode == new LockingBytecodeP2SH32(hash256(pausedScript)),
            "must go to this order's paused covenant");
}
```

The Vision

- Pay links today; a checkout button and merchant dashboard next
- Annual plans, usage-based plans, team seats
- Stablecoin payroll and allowances on the same covenant
- Target: a Subscribe button on every BCH creator page




THA YOU!