

The command line from a Linux script

crypto251.0 Cryptocurrency and the Smileycoin

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The Linux shell

The bash shell accepts commands such as

- `ls`
- `cd`

Output can be redirected into other programs or into a file

- `ls | sort`
- `ls > delete.me`

Most commands are just programs. Commands may take command-line options.

- `smileycoin-cli getinfo`
- `smileycoin-cli listunspent`

Startup files

Many programs use a startup file if it exists somewhere

- `.smileycoin/smileycoin.conf`

The Smileycoin/Bitcoin/Litecoin config files change the behaviour of the wallets

Example:

- `walletnotify=/home/user/bin/readIncoming %s`

specifies a command to be run every time an incoming transaction is observed

The script `readIncoming` must exist and be executable. It should assume that there is one argument, the transaction id. Commonly this is a shell script, which is just a collection of shell commands.

Betzy

Betzyyy is an example of a Linux script which is called to handle incoming transactions.

See

<https://steemit.com/blockchain/@gstefans/double-or-nothing-on>
– though BEtZyyYqDXqmRJJ45nnL15cuASfiXg9Yik is more commonly used as the recipient address

The command script

Upon startup, a typical `readIncoming` script will call the wallet to inspect the incoming transaction:

- `txId=$1`
- `smileycoin-cli gettransaction $txId`
- `tx='smileycoin-cli getrawtransaction $txId'`
- `stuff='smileycoin-cli decoderawtransaction $tx'`

and then inspect the elements of `stuff` to extract whatever data is needed.

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