

# Paych

The Paych methods are for interacting with and managing payment channels

PaychAllocateLane

Perms: sign

Inputs:

...

Copy ["f01234"]

...

Response:42

PaychAvailableFunds

Perms: sign

Inputs:

...

Copy ["f01234"]

...

Response:

...

Copy { "Channel":"f01234", "From":"f01234", "To":"f01234", "ConfirmedAmt":"0", "PendingAmt":"0", "NonReservedAmt":"0", "PendingAvailableAmt":"0", "PendingWaitSentinel":{ "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" }, "QueuedAmt":"0", "VoucherReedeemedAmt":"0" }

...

PaychAvailableFundsByFromTo

Perms: sign

Inputs:

...

Copy ["f01234","f01234"]

...

Response:

...

Copy { "Channel":"f01234", "From":"f01234", "To":"f01234", "ConfirmedAmt":"0", "PendingAmt":"0", "NonReservedAmt":"0", "PendingAvailableAmt":"0", "PendingWaitSentinel":{ "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" }, "QueuedAmt":"0", "VoucherReedeemedAmt":"0" }

...

PaychCollect

Perms: sign

Inputs:

...

Copy ["f01234"]

...

Response:

...

Copy { "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" }

...

PaychFund

PaychFund gets or creates a payment channel between address pair. The specified amount will be added to the channel through on-chain send for future use

Perms: sign

Inputs:

...

Copy ["f01234","f01234","0"]

...

Response:

...

Copy { "Channel":"f01234", "WaitSentinel":{ "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" } }

...

PaychGet

PaychGet gets or creates a payment channel between address pair The specified amount will be reserved for use. If there aren't enough non-reserved funds available, funds will be added through an on-chain message.

- When opts.OffChain is true, this call will not cause any messages to be sent to the chain (no automatic channel creation/funds adding). If the operation can't be performed without sending a message an error will be returned. Note that even when this option is specified, this call can be blocked by previous operations on the channel waiting for on-chain operations.
- 

Perms: sign

Inputs:

...

Copy [ "f01234", "f01234", "0", { "OffChain":true } ]

...

Response:

...

Copy { "Channel":"f01234", "WaitSentinel":{ "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" } }

...

PaychGetWaitReady

Perms: sign

Inputs:

...

Copy [ { "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" } ]

...

Response:"f01234"

PaychList

Perms: read

Inputs:null

Response:

...

Copy ["f01234"]

...

PaychNewPayment

Perms: sign

Inputs:

...

Copy [ "f01234", "f01234", [ { "Amount": "0", "TimeLockMin": 10101, "TimeLockMax": 10101, "MinSettle": 10101, "Extra": { "Actor": "f01234", "Method": 1, "Data": "Ynl0ZSBhcnJheQ==" } } ] ]

...

Response:

...

Copy { "Channel": "f01234", "WaitSentinel": { "/" : "bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" }, "Vouchers": [ { "ChannelAddr": "f01234", "TimeLockMin": 10101, "TimeLockMax": 10101, "SecretHash": "Ynl0ZSBhcnJheQ==", "Extra": { "Actor": "f01234", "Method": 1, "Data": "Ynl0ZSBhcnJheQ==" }, "Lane": 42, "Nonce": 42, "Amount": "0", "MinSettleHeight": 10101, "Merges": [ { "Lane": 42, "Nonce": 42 } ], "Signature": { "Type": 2, "Data": "Ynl0ZSBhcnJheQ==" } } ] }

...

PaychSettle

Perms: sign

Inputs:

...

Copy ["f01234"]

...

Response:

...

Copy { "/" : "bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" }

...

PaychStatus

Perms: read

Inputs:

...

Copy ["f01234"]

...

Response:

...

Copy { "ControlAddr":"f01234", "Direction":1 }

...

PaychVoucherAdd

Perms: write

Inputs:

...

Copy [ "f01234", { "ChannelAddr":"f01234", "TimeLockMin":10101, "TimeLockMax":10101, "SecretHash":"Ynl0ZSBhcnJheQ==", "Extra":{"Actor":"f01234", "Method":1, "Data":"Ynl0ZSBhcnJheQ==" }, "Lane":42, "Nonce":42, "Amount":"0", "MinSettleHeight":10101, "Merges":[{"Lane":42, "Nonce":42 } ], "Signature":{"Type":2, "Data":"Ynl0ZSBhcnJheQ==" } }, "Ynl0ZSBhcnJheQ==", "0" ]

...

Response:"0"

PaychVoucherCheckSpendable

Perms: read

Inputs:

...

Copy [ "f01234", { "ChannelAddr":"f01234", "TimeLockMin":10101, "TimeLockMax":10101, "SecretHash":"Ynl0ZSBhcnJheQ==", "Extra":{"Actor":"f01234", "Method":1, "Data":"Ynl0ZSBhcnJheQ==" }, "Lane":42, "Nonce":42, "Amount":"0", "MinSettleHeight":10101, "Merges":[{"Lane":42, "Nonce":42 } ], "Signature":{"Type":2, "Data":"Ynl0ZSBhcnJheQ==" } }, "Ynl0ZSBhcnJheQ==", "Ynl0ZSBhcnJheQ==" ]

...

Response:true

PaychVoucherCheckValid

Perms: read

Inputs:

...

Copy [ "f01234", { "ChannelAddr":"f01234", "TimeLockMin":10101, "TimeLockMax":10101, "SecretHash":"Ynl0ZSBhcnJheQ==", "Extra":{"Actor":"f01234", "Method":1, "Data":"Ynl0ZSBhcnJheQ==" }, "Lane":42, "Nonce":42, "Amount":"0", "MinSettleHeight":10101, "Merges":[{"Lane":42, "Nonce":42 } ], "Signature":{"Type":2, "Data":"Ynl0ZSBhcnJheQ==" } } ]

...

Response:{}

PaychVoucherCreate

Perms: sign

Inputs:

...

Copy ["f01234","0",42]

...

Response:

...

```
Copy { "Voucher":{ "ChannelAddr":"f01234", "TimeLockMin":10101, "TimeLockMax":10101,
"SecretHash":"Ynl0ZSBhcnJheQ==", "Extra":{ "Actor":"f01234", "Method":1, "Data":"Ynl0ZSBhcnJheQ==", "Lane":42,
"Nonce":42, "Amount":"0", "MinSettleHeight":10101, "Merges":[ { "Lane":42, "Nonce":42 } ], "Signature":{ "Type":2,
"Data":"Ynl0ZSBhcnJheQ==" } }, "Shortfall":"0" }
```

...

PaychVoucherList

Perms: write

Inputs:

...

Copy ["f01234"]

...

Response:

...

```
Copy [ { "ChannelAddr":"f01234", "TimeLockMin":10101, "TimeLockMax":10101, "SecretHash":"Ynl0ZSBhcnJheQ==",
"Extra":{ "Actor":"f01234", "Method":1, "Data":"Ynl0ZSBhcnJheQ==", "Lane":42, "Nonce":42, "Amount":"0",
"MinSettleHeight":10101, "Merges":[ { "Lane":42, "Nonce":42 } ], "Signature":{ "Type":2, "Data":"Ynl0ZSBhcnJheQ==" } } ]
```

...

PaychVoucherSubmit

Perms: sign

Inputs:

...

```
Copy [ "f01234", { "ChannelAddr":"f01234", "TimeLockMin":10101, "TimeLockMax":10101,
"SecretHash":"Ynl0ZSBhcnJheQ==", "Extra":{ "Actor":"f01234", "Method":1, "Data":"Ynl0ZSBhcnJheQ==", "Lane":42,
"Nonce":42, "Amount":"0", "MinSettleHeight":10101, "Merges":[ { "Lane":42, "Nonce":42 } ], "Signature":{ "Type":2,
"Data":"Ynl0ZSBhcnJheQ==" } }, "Ynl0ZSBhcnJheQ==", "Ynl0ZSBhcnJheQ==" ]
```

...

Response:

...

Copy { "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" }

...

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Last updated5 months ago