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" }
```

Last updated5 months ago