

Sync

The Sync method group contains methods for interacting with and observing the lotus sync service.

SyncCheckBad

SyncCheckBad checks if a block was marked as bad, and if it was, returns the reason.

Permissions: read

Inputs:

...

Copy [{ "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeif34fi3uy6uue42v4" }]

...

Response:"string value"

SyncCheckpoint

SyncCheckpoint marks a blocks as checkpointed, meaning that it won't ever fork away from it.

Permissions: admin

Inputs:

...

Copy [[{ "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeif34fi3uy6uue42v4" }, {
"/":"bafy2bzacebp3shtrn43k7g3unredz7fxn4gj533d3o43tqn2p2ipxxhrvchve" }]]

...

Response: {}

SyncIncomingBlocks

SyncIncomingBlocks returns a channel streaming incoming, potentially not yet synced block headers.

Permissions: read

Inputs: null

Response:

...

Copy { "Miner":"f01234", "Ticket":{"VRFPProof":"Ynl0ZSBhcnJheQ==" }, "ElectionProof":{"WinCount":9,
"VRFPProof":"Ynl0ZSBhcnJheQ==" }, "BeaconEntries":[{ "Round":42, "Data":"Ynl0ZSBhcnJheQ==" }], "WinPoStProof":{ {
"PoStProof":8, "ProofBytes":"Ynl0ZSBhcnJheQ==" } }, "Parents":[{
"/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeif34fi3uy6uue42v4" }], "ParentWeight":"0", "Height":10101,
"ParentStateRoot":{" "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeif34fi3uy6uue42v4" },
"ParentMessageReceipts":{" "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeif34fi3uy6uue42v4" }, "Messages":{
"/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeif34fi3uy6uue42v4" }, "BLSAggregate":{"Type":2,
"Data":"Ynl0ZSBhcnJheQ==" }, "Timestamp":42, "BlockSig":{"Type":2, "Data":"Ynl0ZSBhcnJheQ==" }, "ForkSignaling":42,
"ParentBaseFee":"0" } }

...

SyncMarkBad

SyncMarkBad marks a blocks as bad, meaning that it won't ever by synced. Use with extreme caution.

Permissions: admin

Inputs:

...

Copy [{ "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfezf34fi3uy6uue42v4" }]

...

Response: {}

SyncState

SyncState returns the current status of the lotus sync system.

Perms: read

Inputs: null

Response:

...

Copy { "ActiveSyncs": [{ "WorkerID": 42, "Base": { "Cids": null, "Blocks": null, "Height": 0 }, "Target": { "Cids": null, "Blocks": null, "Height": 0 }, "Stage": 1, "Height": 10101, "Start": "0001-01-01T00:00:00Z", "End": "0001-01-01T00:00:00Z", "Message": "string value" }, "VMApplied": 42 }

...

SyncSubmitBlock

SyncSubmitBlock can be used to submit a newly created block to the network through this node

Perms: write

Inputs:

...

Copy [{ "Header": { "Miner": "f01234", "Ticket": { "VRFProof": "Ynl0ZSBhcnJheQ==", "ElectionProof": { "WinCount": 9, "VRFProof": "Ynl0ZSBhcnJheQ==", "BeaconEntries": [{ "Round": 42, "Data": "Ynl0ZSBhcnJheQ==" }], "WinPoStProof": [{ "PoStProof": 8, "ProofBytes": "Ynl0ZSBhcnJheQ==" }], "Parents": [{ "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfezf34fi3uy6uue42v4" }, "ParentWeight": 0, "Height": 10101, "ParentStateRoot": { "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfezf34fi3uy6uue42v4" }, "ParentMessageReceipts": { "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfezf34fi3uy6uue42v4" }, "Messages": { "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfezf34fi3uy6uue42v4" }, "BLSAggregate": { "Type": 2, "Data": "Ynl0ZSBhcnJheQ==", "Timestamp": 42, "BlockSig": { "Type": 2, "Data": "Ynl0ZSBhcnJheQ==" }, "ForkSignaling": 42, "ParentBaseFee": 0 }, "BlsMessages": [{ "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfezf34fi3uy6uue42v4" }], "SecpkMessages": [{ "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfezf34fi3uy6uue42v4" }] }] }

...

Response: {}

SyncUnmarkAllBad

SyncUnmarkAllBad purges bad block cache, making it possible to sync to chains previously marked as bad

Perms: admin

Inputs: null

Response: {}

SyncUnmarkBad

SyncUnmarkBad unmarks a blocks as bad, making it possible to be validated and synced again.

Perms: admin

Inputs:

...

Copy [{ "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfezf34fi3uy6uue42v4" }]

...

Response: {}

SyncValidateTipset

SyncValidateTipset indicates whether the provided tipset is valid or not

Perms: read

Inputs:

...

Copy [[{ "/": "bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfe34fi3uy6uue42v4" }, {
"/": "bafy2bzacebp3shtrn43k7g3unredz7fxn4gj533d3o43tqn2p2ipxxhrvchve" }]]

...

Response: true

[Previous State](#) [Next Wallet](#)

Last updated 5 months ago