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.

Perms: read

Inputs:

```

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

```

Response:"string value"

SyncCheckpoint

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

Perms: admin

Inputs:

```

Copy [ [ { "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" }, { "/":"bafy2bzacebp3shtrn43k7g3unredz7fxn4gj533d3o43tqn2p2ipxxhrvchve" } ] ]

```

Response:{}

SyncIncomingBlocks

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

Perms: read

Inputs:null

Response:

```

Copy { "Miner":"f01234", "Ticket":{ "VRFProof":"Ynl0ZSBhcnJheQ==" }, "ElectionProof":{ "WinCount":9, "VRFProof":"Ynl0ZSBhcnJheQ==" }, "BeaconEntries":[ { "Round":42, "Data":"Ynl0ZSBhcnJheQ==" } ], "WinPoStProof":[ { "PoStProof":8, "ProofBytes":"Ynl0ZSBhcnJheQ==" } ], "Parents":[ { "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" } ], "ParentWeight":"0", "Height":10101, "ParentStateRoot":{ "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" }, "ParentMessageReceipts":{ "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" }, "Messages":{ "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" }, "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.

Perms: admin

Inputs:

```

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

```

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":[ { "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" } ], "ParentWeight":"0", "Height":10101, "ParentStateRoot":{ "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" }, "ParentMessageReceipts":{ "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" }, "Messages":{ "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" }, "BLSAggregate":{ "Type":2, "Data":"Ynl0ZSBhcnJheQ==" }, "Timestamp":42, "BlockSig":{ "Type":2, "Data":"Ynl0ZSBhcnJheQ==" }, "ForkSignaling":42, "ParentBaseFee":"0" }, "BlsMessages":[ { "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" } ], "SecpkMessages":[ { "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" } ] } ]

```

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 [ { "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" } ]

```

Response:{}

SyncValidateTipset

SyncValidateTipset indicates whether the provided tipset is valid or not

Perms: read

Inputs:

```

Copy [ [ { "/":"bafy2bzacea3wsdh6y3a36tb3skempjoxqpuyompjbmfeyf34fi3uy6uue42v4" }, { "/":"bafy2bzacebp3shtrn43k7g3unredz7fxn4gj533d3o43tqn2p2ipxxhrvchve" } ] ]

```

Response:true

Previous State Next Wallet

Last updated5 months ago