



链滴

以太坊同步一直“卡着”的原因

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用 geth 下载区块数据基本完成（基本追平当前区块高度），如果日志还一直刷如下两句：

Imported new state entries

....

Stalling state sync, dropping peer

那说明区块数据确实差不多已经跟上最新数据了，但是状态数据还差很多，正在同步。

如果你同步了很久（比如一两天）还是落后主网几十个块，那说明可能是你的磁盘性能不足，因为**态数据同步的瓶颈在磁盘 IO，不在带宽，**换个 SSD 再同步就好。

如果你要同步全节点，那一定要用 SSD 磁盘，详细解释说明请看[这里](#)。

在区块高度 5244801 时同步完成大概是这么个情况：

```
Imported new state entries count=0 elapsed=8.619us processed=106119085 pending=1557 retry=0 dupl
Imported new state entries count=0 elapsed=1.023s processed=106119085 pending=1658 retry=0 dupl
Imported new block headers count=1 elapsed=6.211ms number=5244800 hash=9ce48b..9cccd6 ignored=0
Imported new state entries count=545 elapsed=4.057ms processed=106119630 pending=1312 retry=0 dupl
Imported new block headers count=1 elapsed=6.554ms number=5244801 hash=e9bae6..c4cc48 ignored=0
Imported new state entries count=759 elapsed=10.773ms processed=106120389 pending=359 retry=0 dupl
Imported new state entries count=0 elapsed=5.013us processed=106120389 pending=330 retry=0 dupl
Imported new state entries count=126 elapsed=2.670ms processed=106120515 pending=0 retry=0 dupl
Imported new block receipts count=1 elapsed=461.743us number=5244720 hash=976c9c...e6078b size=14.50kB ig
Committed new head block number=5244720 hash=976c9c...e6078b
Imported new chain segment blocks=14 txs=1053 mgas=69.627 elapsed=8.886s mgasps=7.835 number=5244734 ha
Imported new chain segment blocks=14 txs=1547 mgas=73.611 elapsed=8.814s mgasps=8.351 number=5244748 ha
Imported new chain segment blocks=17 txs=1295 mgas=80.507 elapsed=8.613s mgasps=9.347 number=5244765 ha
Imported new chain segment blocks=17 txs=1518 mgas=95.841 elapsed=8.428s mgasps=11.370 number=5244782 h
Imported new chain segment blocks=16 txs=1387 mgas=109.468 elapsed=8.367s mgasps=13.082 number=5244798
Imported new chain segment blocks=3 txs=292 mgas=20.268 elapsed=1.690s mgasps=11.987 number=5244801
Imported new block headers count=1 elapsed=44.201s number=5244802 hash=64aefe..0ac855 ignored=0
Upgrading chain index type=bloombits percentage=31
Imported new chain segment blocks=1 txs=76 mgas=7.936 elapsed=977.457ms mgasps=8.119 number=5244802
Fast sync complete, auto disabling
Upgrading chain index type=bloombits percentage=33
Upgrading chain index type=bloombits percentage=34
Upgrading chain index type=bloombits percentage=35
Imported new chain segment blocks=8 txs=1005 mgas=60.437 elapsed=8.653s mgasps=6.984 number=5244810
Imported new chain segment blocks=7 txs=733 mgas=49.995 elapsed=3.611s mgasps=13.842 number=5244817
Imported new chain segment blocks=1 txs=73 mgas=4.553 elapsed=166.901ms mgasps=27.278 number=5244804
Imported new chain segment blocks=1 txs=190 mgas=7.998 elapsed=563.649ms mgasps=14.190 number=5244807
Imported new chain segment blocks=1 txs=131 mgas=7.985 elapsed=452.399ms mgasps=17.650 number=5244807
Upgrading chain index type=bloombits percentage=36
Imported new chain segment blocks=1 txs=95 mgas=7.979 elapsed=606.527ms mgasps=11.622 number=5244816
root@iZrj99m0qplswhndutnvl7Z:~/.ethereum/geth# du -h
4.9M ./nodes
114M ./ethash
70G ./chaindata
70G .
```