

## What happens if a CVN fails

We have three parameters that determine which CVN ID should create the next block.

1. The order (which one has created its last block the furthest in the past)
2. The time since the last block in the blockchain
3. The mean number of signatures contributed to each block since 10 blocks

Each CVN has got 60 seconds to actually create its block. This time span is dynamically adjustable and is called: Block spacing grace period. If a CVN did not make it then the next in the line has to create a block and the one that failed to create its block is skipped. If a CVN failed to create enough partial signatures within the last 10 block (dynamic parameter: Blocks to consider for signature check) it is also skipped until it has co-signed enough blocks. As you see, Proof-of-Cooperation is much more than just a simple round-robin system.

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