

Adding a post here for some more surface area of the issue that arose on the (EST) morning of Tuesday the 6th. There was a bug in the automatic demotion logic of our max-profit relay that resulted in 9 missed slots due to an improperly formatted block.

Of those 9 missed slots only one was a Lido validator and bloXroute has covered the cost of all ETH lost due to the bug.

Below is a couple links and info about the event but if you have any questions please feel free to reach out to us or reply to this post and I'll fill in more details as available.

Here is the TX hash for the payment to Lido for the missed slot:
0xe9ac6633e870e554c336a26f3e3933b8dc563f11783dbc1abc68f210b033ac8d

A full post mortem is available on our discord here:

Invite: [bloXroute Labs](#)

Link: [Discord](#)

Also we have a gist with a bit more information:

[gist.github.com](#)

<https://gist.github.com/benhenryhunter/5f63ad6b5d68452192e9965925b9878e>

missedSlotBids.md

```
```json [ { "slot": "8366820", "parent_hash":  
"0x27dcb717d5921af93e2b56a82f546e1c11b33619238510cbe36e4d8c43f446a8", "block_hash":
"0x6868f8e474a163bb17f39d05847aa8e3f1b38db3cca0dfc9bd139db1da8dcde2", "builder_pubkey":
"0x8e6df6e0a9ca3fd89db2aa2f3daf77722dc4fbcdd15e285ed7d9560fdf07b7d69ba504add4cc12ac999b8094ff30ed06c",
"proposer_pubkey":
"0xb6d5424e28a738d002c96a19db7434fff22877272649e0ca38b579bb44398f3977f43af6c055414b7a71ec2bd7cb8480",
"proposer_fee_recipient": "0x72FDdC41CA177551Ce5949C75a92b945eFa04141", "gas_limit": "30000000",
```

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**postMortem.md**

## Overview

During the morning of Feb 6th, a builder released a change using a custom gRPC implementation that was submitting improperly built blocks. From these blocks 9 won the auction but failed to be broadcasted due to the improper formatting of the blocks. The relay's auto-demotion logic had faulty checks for treating timeouts and failures differently which resulted in this builder not getting demoted automatically.

We were first notified of the problem at 08:52 AM EST and disabled the optimistic submissions for that builder at 9:06 AM EST.

## Impact

Of the 600 blocks proposed in the 2 hours window, 9 blocks were missed with the following values below:

```
``` csv
```

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