Happy to announce version [v0.11.0](#) of the [mev-boost-relay](#)

v0.11.0 is live on all Flashbots relays -[Mainnet,](#) [Sepolia](#) and [Goerli](#).

Major updates:

- block submission cancellation

in [#206](#)

- Reject block submissions after getpayload in[#188](#)

- logging improvements on errors: [#208](#) + [#197](#)

- tool

command for archiving execution-payloads and bulk-exporting data in[#192](#)

Minor changes:

- Add Postgres and database tests to CI by[@franciscodiazydiaz](#) in [#199](#)

- db sort by slot, db-test dsn env var in[#200](#)

- added ARCHITECTURE.md and S3 index page in[#196](#)

New contributors:

- [@franciscodiazydiaz](#) made their first contribution in[Add Postgres and database tests to CI by franciscodiazydiaz · Pull Request #199 · flashbots/mev-boost-relay · GitHub](#)

See also:

- [Docker images](#)

- [Full changelog](#)

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DALL·E 2022-10-20 20.03.37 - colorful illustration of a scientist replacing parts of a toolbox

1024×1024 86.1 KB

](https://collective.flashbots.net/uploads/default/original/1X/2a6c5a8064e8efa03baa7a712b1ff8eecf0b7378.jpeg)

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DALL·E 2022-10-20 20.03.45 - colorful illustration of a scientist replacing parts of a toolbox

1024×1024 52.6 KB

](https://collective.flashbots.net/uploads/default/original/1X/84cb23405d5b97b0d48a9800165634aa497e643e.jpeg)

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DALL·E 2022-10-20 19.57.11 - colorful illustration of a ghost replacing a box with a new one

1024×1024 92.2 KB

](https://collective.flashbots.net/uploads/default/original/1X/246a9dfdfd2741c156d3a7b802b3019e41fec446.jpeg)

Block Submission Cancellations

Block builders can now overwrite previous submissions by sending a new payload (even with lower value).

Cancellations enable a wider range of strategies and experiments for block builders.

- Before this change, only a higher value payload could override a previous one.

- Now always the latest payload by a builder is used.

This change is now live, so make sure that your latest payload is the one you have used.

Steps in replacing a payload:

1. Block builder sends a payload with the [submitBlock

](https://flashbots.notion.site/Relay-API-Spec-5fb0819366954962bc02e81cb33840f5#fa719683d4ae4a57bc3bf60e138b0dc6) API call.

1. Relay receives the request and puts the payload into a validation queue.

2. The payload is simulated and validated, on average within about 150ms (but can also take[longer](#)).

3. After a successful validation, the payload is saved and a new top bid is selected among the latest payloads from all builders.

4. Once the submitBlock

request is completed, the new payload is updated and used going forward.

See also:

- [Relay API documentation: submitBlock

](https://flashbots.notion.site/Relay-API-Spec-5fb0819366954962bc02e81cb33840f5#fa719683d4ae4a57bc3bf60e138b0dc6)

- Flashbots relays: [Mainnet](#), [Sepolia](#) and [Goerli](#)

Happy building