

We are going to upgrade [relay.flashbots.net

](http://relay.flashbots.net) to [JSON-RPC compatible errors](#) on January 9th, 2025.

Context

Due to historic reasons, the Flashbots bundle-relay (relay.flashbots.net) returns errors in a non-standard way.

Sometimes errors are returned like this:

```
{ "error": "example error" }
```

Under rare circumstances, errors are returned like this:

```
{ "code": -32603, "message": "example error" }
```

The proper way to respond with error (according to JSON-RPC spec) is:

```
{ "jsonrpc": "2.0", "id": 123, "error": { "code": -32603, "message": "example error" } }
```

Impact

Depending on the implementation in Flashbots relay clients, errors will be returned in a different format, as regular JSON-RPC errors would be.

Most tooling won't need any update because JSON-RPC compatible errors are already handled. It might only impact any Flashbots-specific error handling logic, and we recommend client developers to double-check the code, and update if needed.