WithdrawRequest V2

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Auditor: Shard Labs

Hash: 3bfd49cacce135f88f97bd7ee47b68cfa2c8c5e8

Summary

The `WithdrawRequest` calls the `nodeOperatorRegistry.getValidatorsRequestWithdraw` function which takes as an argument the amount to withdraw from validators in `MATIC` token but the current implementation passes the amount in stMATIC.

https://github.com/lidofinance/polygon-contracts/blob/main/contracts/StMATIC.sol#L205-L213

When users withdraw from 1 node the algorithm works fine, the users will get the correct amount of MATICs.

The issue is when the user requests a big amount and this amount is distributed between multiple nodes in this case the exchange rate between stMATIC and MATIC is 1/1

Solution

Use the amount in MATIC when calling `nodeOperatorRegistry.getValidatorsRequestWithdraw` to calculate the total amounts to withdraw from nodes in MATIC.