

# Slashing a validator

The chain supports slashing of misbehaving validators through governance vote.

## Proposal Message

The proposal should contain a single [MsgSlashValidator\(opens in a new tab\)](#) message for each validator that should be slashed.

Notes:

- The slashing will occur when the proposal is passed, not the `infraction_height`
- .
- The `infraction_height`
- must be set so that  $\text{time}(\text{proposal pass height}) - \text{time}(\text{infraction\_height}) < \text{unbonding period}$
- . Typically a good choice for `infraction_height`
- is the current height unless there is a recent unbonding undelegation/redelegation that should be included in the slash. In that case the `infraction_height`
- should be set prior to the initiation of the undelegation/redelegation.
- Both `tokens_at_infraction_height`
- and `slash_factor`
- must be set correctly, otherwise undelegations and redelegations might be slashed disproportionately to the rest of the validator's stake.  $\text{tokens\_at\_infraction\_height} * \text{slash\_factor}$
- determines the total amount of tokens to be slashed. Unbonding delegations and redelegations are first slashed by `slash_factor`
- , and then the remaining amount is taken from the validator's stake.
- The `x/stakingHistoricalInfo`
- query endpoint can be used to find the correct value for `tokens_at_infraction_height`
- .
- See the [MsgSlashValidator\(opens in a new tab\)](#)
- inline comments for further details on the above requirements.

## Example Proposal Json

Below is an example proposal JSON file to propose a slashing a validator's total bonded tokens (both user delegated and self-delegated) by 0.2 at block height 5000. In other words:

- assuming that the proposal passes governance vote
- assuming that the validator has 1000 total bonded tokens at height 5000
- once the proposal is passed, the validator will lose 200 tokens
- if there are unbonding undelegations and redelegations since height 5000, they will lose 0.2 of their stake, and the remaining will be taken from the validator for a total of 200 tokens lost

```
{ "title" :  
"Slash a validator" , "summary" :  
"We are proposing to slash this misbehaving validator for X reasons." , "deposit" :  
"1000000000000000000000000adv4tnt" , "messages" : [ { "@type" :  
"/dydxprotocol.govplus.MsgSlashValidator" , "authority" :  
"dydx10d07y265gmmuv4z0w9aw880jnsr700jnmapky" , "validator_address" :  
"dydxvalcons1z79h40nmd777scs93qjxaeak8m2cl6hpqg2rx9" , "slash_factor" :  
"0.2" , "tokens_at_infraction_height" :  
"1000" , "infraction_height" :  
5000 } ] }
```

## Submitting an Onchain Proposal

Follow instructions [here](#) to submit an onchain proposal.

[Proposing a New Market Functionalities](#)

