

Validator

No description

```
type Validator {  
  address: Address!  
  credentials: ValidatorCredentials  
  nextEpochCredentials: ValidatorCredentials  
  name: String  
  description: String  
  imageUrl: String  
  projectUrl: String  
  operationCap: MoveObject  
  stakingPool: MoveObject @deprecated  
  stakingPoolId: SuiAddress!  
  exchangeRates: MoveObject @deprecated  
  exchangeRatesTable: Owner  
  exchangeRatesSize: UInt53  
  stakingPoolActivationEpoch: UInt53  
  stakingPoolSuiBalance: BigInt  
  rewardsPool: BigInt  
  poolTokenBalance: BigInt  
  pendingStake: BigInt  
  pendingTotalSuiWithdraw: BigInt  
  pendingPoolTokenWithdraw: BigInt  
  votingPower: Int  
  gasPrice: BigInt  
  commissionRate: Int  
  nextEpochStake: BigInt  
  nextEpochGasPrice: BigInt  
  nextEpochCommissionRate: Int  
  atRisk: UInt53  
  reportRecords(  
    first: Int  
    before: String  
    last: Int  
    after: String  
  ): AddressConnection!  
  apy: Int  
}
```

Fields

Validator.address • Address!

non-null

object

The validator's address.

`Validator.credentials` • `ValidatorCredentials` **object**

Validator's set of credentials such as public keys, network addresses and others.

`Validator.nextEpochCredentials` • `ValidatorCredentials`
object

Validator's set of credentials for the next epoch.

`Validator.name` • `String` **scalar**

Validator's name.

`Validator.description` • `String` **scalar**

Validator's description.

`Validator.imageUrl` • `String` **scalar**

Validator's url containing their custom image.

`Validator.projectUrl` • `String` **scalar**

Validator's homepage URL.

`Validator.operationCap` • `MoveObject` **object**

The validator's current valid `Cap` object. Validators can delegate the operation ability to another address. The address holding this `Cap` object can then update the reference gas price and tallying rule on behalf of the validator.

`Validator.stakingPool` • `MoveObject` **deprecated** **object**

DEPRECATED

The staking pool is a wrapped object. Access its fields directly on the `Validator` type.

The validator's current staking pool object, used to track the amount of stake and to compound staking rewards.

`Validator.stakingPoolId` • `SuiAddress!` **non-null** **scalar**

The ID of this validator's `0x3::staking_pool::StakingPool`.

`Validator.exchangeRates` • `MoveObject` **deprecated** **object**

⚠️ DEPRECATED

The exchange object is a wrapped object. Access its dynamic fields through the `exchangeRatesTable` query.

The validator's current exchange object. The exchange rate is used to determine the amount of SUI tokens that each past SUI staker can withdraw in the future.

`Validator.exchangeRatesTable` • `Owner` **object**

A wrapped object containing the validator's exchange rates. This is a table from epoch number to `PoolTokenExchangeRate` value. The exchange rate is used to determine the amount of SUI tokens that each past SUI staker can withdraw in the future.

`Validator.exchangeRatesSize` • `UInt53` **scalar**

Number of exchange rates in the table.

`Validator.stakingPoolActivationEpoch` • `UInt53` **scalar**

The epoch at which this pool became active.

`Validator.stakingPoolSuiBalance` • `BigInt` **scalar**

The total number of SUI tokens in this pool.

`Validator.rewardsPool` • `BigInt` **scalar**

The epoch stake rewards will be added here at the end of each epoch.

`Validator.poolTokenBalance` • `BigInt` **scalar**

Total number of pool tokens issued by the pool.

`Validator.pendingStake` • `BigInt` **scalar**

Pending stake amount for this epoch.

`Validator.pendingTotalSuiWithdraw` • `BigInt` **scalar**

Pending stake withdrawn during the current epoch, emptied at epoch boundaries.

`Validator.pendingPoolTokenWithdraw` • `BigInt` **scalar**

Pending pool token withdrawn during the current epoch, emptied at epoch boundaries.

`Validator.votingPower` • `Int` **scalar**

The voting power of this validator in basis points (e.g., 100 = 1% voting power).

`Validator.gasPrice` • `BigInt` **scalar**

The reference gas price for this epoch.

`Validator.commissionRate` • `Int` **scalar**

The fee charged by the validator for staking services.

`Validator.nextEpochStake` • `BigInt` **scalar**

The total number of SUI tokens in this pool plus the pending stake amount for this epoch.

`Validator.nextEpochGasPrice` • `BigInt` **scalar**

The validator's gas price quote for the next epoch.

`Validator.nextEpochCommissionRate` • `Int` **scalar**

The proposed next epoch fee for the validator's staking services.

`Validator.atRisk` • `UInt53` **scalar**

The number of epochs for which this validator has been below the low stake threshold.

`Validator.reportRecords` • `AddressConnection!` **non-null**
object

The addresses of other validators this validator has reported.

`Validator.reportRecords.first` • `Int` **scalar**

`Validator.reportRecords.before` • `String` **scalar**

`Validator.reportRecords.last` • `Int` **scalar**

`Validator.reportRecords.after` • `String` **scalar**

`Validator.apy` • `Int` **scalar**

The APY of this validator in basis points. To get the APY in percentage, divide by 100.

Member Of

`ValidatorConnection` **object** • `ValidatorEdge` **object**



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