

# ValidatorSet

Representation of `0x3::validator_set::ValidatorSet`.

```
type ValidatorSet {  
  totalStake: BigInt  
  pendingRemovals: [Int!]  
  pendingActiveValidatorsId: SuiAddress  
  pendingActiveValidatorsSize: Int  
  stakingPoolMappingsId: SuiAddress  
  stakingPoolMappingsSize: Int  
  inactivePoolsId: SuiAddress  
  inactivePoolsSize: Int  
  validatorCandidatesId: SuiAddress  
  validatorCandidatesSize: Int  
  activeValidators(  
    first: Int  
    before: String  
    last: Int  
    after: String  
  ): ValidatorConnection!  
}
```

## Fields

`ValidatorSet.totalStake` • `BigInt` **scalar**

Total amount of stake for all active validators at the beginning of the epoch.

`ValidatorSet.pendingRemovals` • `[Int!]` **list** **scalar**

Validators that are pending removal from the active validator set, expressed as indices in to `activeValidators`.

`ValidatorSet.pendingActiveValidatorsId` • `SuiAddress`  
**scalar**

Object ID of the wrapped object `TableVec` storing the pending active validators.

`ValidatorSet.pendingActiveValidatorsSize` • `Int` **scalar**

Size of the pending active validators table.

`ValidatorSet.stakingPoolMappingsId` • `SuiAddress` **scalar**

Object ID of the `Table` storing the mapping from staking pool ids to the addresses of the corresponding validators. This is needed because a validator's address can potentially change but the object ID of its pool will not.

`ValidatorSet.stakingPoolMappingsSize` • `Int` **scalar**

Size of the stake pool mappings `Table`.

`ValidatorSet.inactivePoolsId` • `SuiAddress` **scalar**

Object ID of the `Table` storing the inactive staking pools.

`ValidatorSet.inactivePoolsSize` • `Int` **scalar**

Size of the inactive pools `Table`.

`ValidatorSet.validatorCandidatesId` • `SuiAddress` **scalar**

Object ID of the `Table` storing the validator candidates.

`ValidatorSet.validatorCandidatesSize` • `Int` **scalar**

Size of the validator candidates `Table`.

`ValidatorSet.activeValidators` • `ValidatorConnection!`

**non-null** **object**

The current set of active validators.

`ValidatorSet.activeValidators.first` • `Int` **scalar**

`ValidatorSet.activeValidators.before` • `String` **scalar**

`ValidatorSet.activeValidators.last` • `Int` **scalar**

`ValidatorSet.activeValidators.after` • `String` **scalar**

## Member Of

`Epoch` **object**



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