

TransactionBlockEffects

The effects representing the result of executing a transaction block.

```
type TransactionBlockEffects {  
  transactionBlock: TransactionBlock  
  status: ExecutionStatus  
  lamportVersion: UInt53!  
  errors: String  
  dependencies(  
    first: Int  
    after: String  
    last: Int  
    before: String  
  ): DependencyConnection!  
  gasEffects: GasEffects  
  unchangedSharedObjects(  
    first: Int  
    after: String  
    last: Int  
    before: String  
  ): UnchangedSharedObjectConnection!  
  objectChanges(  
    first: Int  
    after: String  
    last: Int  
    before: String  
  ): ObjectChangeConnection!  
  balanceChanges(  
    first: Int  
    after: String  
    last: Int  
    before: String  
  ): BalanceChangeConnection!  
  events(  
    first: Int  
    after: String  
    last: Int  
    before: String  
  ): EventConnection!  
  timestamp: DateTime  
  epoch: Epoch  
  checkpoint: Checkpoint  
  bcs: Base64!  
}
```

Fields

`TransactionBlockEffects.transactionBlock` • `TransactionBlock` **object**

The transaction that ran to produce these effects.

`TransactionBlockEffects.status` • `ExecutionStatus` **enum**

Whether the transaction executed successfully or not.

`TransactionBlockEffects.lamportVersion` • `UInt53!` **non-null scalar**

The latest version of all objects (apart from packages) that have been created or modified by this transaction, immediately following this transaction.

`TransactionBlockEffects.errors` • `String` **scalar**

The reason for a transaction failure, if it did fail. If the error is a Move abort, the error message will be resolved to a human-readable form if possible, otherwise it will fall back to displaying the abort code and location.

`TransactionBlockEffects.dependencies` • `DependencyConnection!` **non-null object**

Transactions whose outputs this transaction depends upon.

`TransactionBlockEffects.dependencies.first` • `Int` **scalar**

`TransactionBlockEffects.dependencies.after` • `String` **scalar**

`TransactionBlockEffects.dependencies.last` • `Int` **scalar**

`TransactionBlockEffects.dependencies.before` • `String` **scalar**

`TransactionBlockEffects.gasEffects` • `GasEffects` **object**

Effects to the gas object.

`TransactionBlockEffects.unchangedSharedObjects` • `UnchangedSharedObjectConnection!` **non-null object**

Shared objects that are referenced by but not changed by this transaction.

`TransactionBlockEffects.unchangedSharedObjects.first` • `Int` **scalar**

`TransactionBlockEffects.unchangedSharedObjects.after` • `String` **scalar**

`TransactionBlockEffects.unchangedSharedObjects.last`. `Int` scalar

`TransactionBlockEffects.unchangedSharedObjects.before`. `String` scalar

`TransactionBlockEffects.objectChanges`. `ObjectChangeConnection!`
non-null **object**

The effect this transaction had on objects on-chain.

`TransactionBlockEffects.objectChanges.first`. `Int` scalar

`TransactionBlockEffects.objectChanges.after`. `String` scalar

`TransactionBlockEffects.objectChanges.last`. `Int` scalar

`TransactionBlockEffects.objectChanges.before`. `String` scalar

`TransactionBlockEffects.balanceChanges`. `BalanceChangeConnection!`
non-null **object**

The effect this transaction had on the balances (sum of coin values per coin type) of addresses and objects.

`TransactionBlockEffects.balanceChanges.first`. `Int` scalar

`TransactionBlockEffects.balanceChanges.after`. `String` scalar

`TransactionBlockEffects.balanceChanges.last`. `Int` scalar

`TransactionBlockEffects.balanceChanges.before`. `String` scalar

`TransactionBlockEffects.events`. `EventConnection!`
non-null **object**

Events emitted by this transaction block.

`TransactionBlockEffects.events.first`. `Int` scalar

`TransactionBlockEffects.events.after`. `String` scalar

`TransactionBlockEffects.events.last`. `Int` scalar

`TransactionBlockEffects.events.before`. `String` scalar

`TransactionBlockEffects.timestamp`. `DateTime` scalar

Timestamp corresponding to the checkpoint this transaction was finalized in.

`TransactionBlockEffects.epoch` • `Epoch` `object`

The epoch this transaction was finalized in.

`TransactionBlockEffects.checkpoint` • `Checkpoint` `object`

The checkpoint this transaction was finalized in.

`TransactionBlockEffects.bcs` • `Base64!` `non-null` `scalar`

Base64 encoded bcs serialization of the on-chain transaction effects.

Member Of

`ExecutionResult` `object` • `TransactionBlock` `object`

[✎ Edit this page](#)



© 2025 SUI FOUNDATION | DOCUMENTATION DISTRIBUTED UNDER CC BY 4.0