

# event

## Type Aliases

### EventArgs

type

EventArgs < T

:

T

extends

TypedEvent < infer \_\_ ,

infer TObj

? TObj :

never ; The type of the event arguments. Gets the second generic arg

### Type parameters

Type parameter T

### Source

[dataEntities/event.ts:10](#)

### EventFromFilter

type

EventFromFilter < TFilter

: TFilter extends

TypedEventFilter < infer TEvent

? TEvent :

never ; The event type of a filter Gets the first generic arg

### Type parameters

Type parameter TFilter

### Source

[dataEntities/event.ts:18](#)

### TypeChainContractFactory

type

TypeChainContractFactory < TContract

: object ; Typechain contract factories have additional properties

### Type parameters

Type parameter TContract extends Contract

### Type declaration

Member Type connect TContract createInterface Interface

## Source

[dataEntities/event.ts:41](#)

## Functions

### parseTypedLog()

function

parseTypedLog < TContract , TFilterName

( contractFactory : TypeChainContractFactory < TContract

, log : Log , filterName : TFilterName ) :

null

| EventArgs < EventFromFilter < ReturnType < TContract [ "filters" ] [ TFilterName ]

Parse a log that matches a given filter name.

### Type parameters

Type parameter TContract extends Contract TFilterName extends string

### Parameters

Parameter Type Description contractFactory [TypeChainContractFactory](#) <TContract

log Log The log to parse filterName TFilterName

### Returns

null | [EventArgs](#) <[EventFromFilter](#) >>

Null if filter name topic does not match log topic

## Source

[dataEntities/event.ts:53](#)

### parseTypedLogs()

function

parseTypedLogs < TContract , TFilterName

( contractFactory : TypeChainContractFactory < TContract

, logs : Log [ ] , filterName : TFilterName ) : EventArgs < EventFromFilter < ReturnType < TContract [ "filters" ] [ TFilterName ]

[ ] Parses an array of logs. Filters out any logs whose topic does not match provided the filter name topic.

### Type parameters

Type parameter TContract extends Contract TFilterName extends string

### Parameters

Parameter Type Description contractFactory [TypeChainContractFactory](#) <TContract

logs Log [ ] The logs to parse filterName TFilterName

## Returns

[EventArgs](#) <[EventFromFilter](#) >[]

## Source

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