

```
D4D4D4;--ch-t-background: #1E1E1E;--ch-t-lighter-
inlineBackground: #1e1e1ee6;--ch-t-editor-background:
#1E1E1E;--ch-t-editor-foreground: #D4D4D4;--ch-t-editor-
rangeHighlightBackground: #ffffff0b;--ch-t-editor-
infoForeground: #3794FF;--ch-t-editor-
selectionBackground: #264F78;--ch-t-focusBorder:
#007FD4;--ch-t-tab-activeBackground: #1E1E1E;--ch-t-
tab-activeForeground: #ffffff;--ch-t-tab-
inactiveBackground: #2D2D2D;--ch-t-tab-
inactiveForeground: #ffffff80;--ch-t-tab-border: #252526;--
ch-t-tab-activeBorder: #1E1E1E;--ch-t-editorGroup-
border: #444444;--ch-t-editorGroupHeader-
tabsBackground: #252526;--ch-t-editorLineNumber-
foreground: #858585;--ch-t-input-background: #3C3C3C;--
ch-t-input-foreground: #D4D4D4;--ch-t-icon-foreground:
#C5C5C5;--ch-t-sideBar-background: #252526;--ch-t-
sideBar-foreground: #D4D4D4;--ch-t-sideBar-border:
#252526;--ch-t-list-activeSelectionBackground: #094771;--
ch-t-list-activeSelectionForeground: #ffffffe;--ch-t-list-
hoverBackground: #2A2D2E; }
```

Migrate to v4

This guide references the major changes between v3 and v4 to help those migrating an existing app.

Note: When upgrading toprotocol-kit v4, it's necessary to upgrade totypes-kit v1.

The create() method was renamed init() in the SafeFactory and Safe classes

We renamed thecreate() method toinit() to better reflect the method's purpose. The termcreate() was misleading, suggesting a new Safe account would be created and deployed. However, this method only initializes theSafe class, soinit() is a more accurate and descriptive name.

```
_10 // old _10 const protocolKit = await Safe.create({ ... }) _10 const safeFactory = await SafeFactory.create({ ... }) _10 _10
// new _10 const protocolKit = await Safe.init({ ... }) _10 const safeFactory = await SafeFactory.init({ ... })
```

Remove the adapters

We have removed the concept of adapters from theprotocol-kit to simplify the library. Instead of using specific library adapters, we use now an internalSafeProvider object to interact with the Safe. ThisSafeProvider will be created using:

- An Ethereum provider, an[EIP-1193](#)(opens in a new tab)
- compatible provider, or an RPC URL.
- An optional address of the signer that is connected to the provider or a private key. If not provided, the first account of the provider (eth_accounts
-) will be selected as the signer.

The `EthAdapter` interface, the `EthersAdapter` class, and the `Web3Adapter` class are no longer available. Similarly, `EthersAdapterConfig` and `Web3AdapterConfig` were removed as well.

```
_24 // old _24 const ethAdapter = new EthersAdapter({ ethers, signerOrProvider }) _24 // const ethAdapter = new
Web3Adapter({ web3, signerAddress }) _24 await Safe.create({ _24 ethAdapter, _24 safeAddress: '0xSafeAddress' _24 ...
_24 }) _24 _24 // new _24 await Safe.init({ _24 provider: window.ethereum, // Or any compatible EIP-1193 provider _24
signer: '0xSignerAddressOrPrivateKey', // Signer address or private key _24 safeAddress: '0xSafeAddress' _24 ... _24 }) _24
_24 // ...or... _24 await Safe.init({ _24 provider: 'http://rpc.url', // Or websocket _24 signer: '0xPrivateKey' // Signer private key
_24 safeAddress: '0xSafeAddress' _24 ... _24 })
```

EthersTransactionOptions

and `Web3TransactionOptions` types are now `TransactionOptions`

Together with the adapters, we also removed the specific transaction options objects for each library, leaving just a single `TransactionOptions` type.

We removed the `thegas` property from the `TransactionOptions` object as it was a specific property for the `web3.js` library. Now, you should use the `thegasLimit` property instead.

EthersTransactionResult

and `Web3TransactionResult` types are now `TransactionResult`

Together with the adapters, we also removed the specific transaction result objects for each library, leaving just a single `TransactionResult` type.

Contract classes suffixed with Ethers and Web3

All the contract classes that were suffixed with `Ethers` or `Web3` were renamed to remove the suffix.

```
_10 SafeBaseContractEthers, SafeBaseContractWeb3 -> SafeBaseContract _10 MultiSendBaseContractEthers,
MultiSendBaseContractWeb3 -> MultiSendBaseContract _10 MultiSendCallOnlyBaseContractEthers,
MultiSendCallOnlyBaseContractWeb3 -> MultiSendCallOnlyBaseContract _10 SafeProxyFactoryBaseContractEthers,
SafeProxyFactoryBaseContractWeb3 -> SafeProxyFactoryBaseContract _10 SignMessageLibBaseContractEthers,
SignMessageLibBaseContractWeb3 -> SignMessageLibBaseContract _10 CreateCallBaseContractEthers,
CreateCallBaseContractWeb3 -> CreateCallBaseContract
```

[Migrate to v3](#) [Migrate to v5](#) Was this page helpful?

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