

```
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 tosafe-core-sdk-types v5.

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.

TheEthAdapter interface, theEthersAdapter class, and theWeb3Adapter class are no longer available. Similarly,EthersAdapterConfig andWeb3AdapterConfig 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

andWeb3TransactionOptions types are nowTransactionOptions

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

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

EthersTransactionResult

andWeb3TransactionResult types are nowTransactionResult

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

Contract classes suffixed with Ethers and Web3

All the contract classes that were suffixed withEthers orWeb3 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 Onramp Kit](#)

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