

```
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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;--
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hoverBackground: #2A2D2E; }
```

## Manage user delegates

This guide shows how to interact with the Safe Transaction Service API to manage user delegates.

The different steps are implemented using [Curl\(opens in a new tab\)](#) requests, the [Safe{Core} SDK\(opens in a new tab\)](#) TypeScript library and the [safe-eth-py\(opens in a new tab\)](#) Python library.

### Prerequisites

1. [Node.js and npm\(opens in a new tab\)](#)
2. when using the Safe{Core} SDK.
3. [Python\(opens in a new tab\)](#)
4. = 3.9 when using safe-eth-py
5. .
6. Have a Safe account.

### Steps

#### Install dependencies

```
TypeScript Python _10 yarn add ethers @safe-global/api-kit @safe-global/protocol-kit @safe-global/safe-core-sdk-types
```

#### Imports

```
TypeScript Python _10 import { ethers } from 'ethers' _10 import SafeApiKit, { AddSafeDelegateProps } from '@safe-global/api-kit'
```

## Get the delegates from a Safe

```
TypeScript Python Curl _10 // Initialize the API Kit _10 const apiKit = new SafeApiKit({ _10 chainId: 11155111n _10 }) _10 _10 // Get the Safe delegates _10 const delegates = await apiKit.getSafeDelegates({ _10 delegatorAddress: config.SAFE_ADDRESS _10 })
```

## Add a delegate to a delegator

```
TypeScript Python Curl _17 const provider = new ethers.JsonRpcProvider(config.RPC_URL) _17 _17 const ownerA = new ethers.Wallet(config.OWNER_A_PRIVATE_KEY, provider) _17 const ownerAAddress = await ownerA.getAddress() _17 _17 const ownerB = new ethers.Wallet(config.OWNER_B_PRIVATE_KEY, provider) _17 const ownerBAddress = await ownerB.getAddress() _17 _17 const delegateConfig: AddSafeDelegateProps = { _17 delegateAddress: ownerBAddress || '0x', _17 delegatorAddress: ownerAAddress || '0x', _17 signer: ownerA, _17 label: 'Label' _17 } _17 _17 // Add Owner B as a delegate of Owner A for all Safes accounts (safeAddress = null) _17 const safeDelegateAddResponse = await apiKit.addSafeDelegate(delegateConfig)
```

## Delete a delegate of a delegator

```
TypeScript Python Curl _10 const delegateConfig: DeleteSafeDelegateProps = { _10 delegateAddress: ownerBAddress || '0x', _10 delegatorAddress: ownerAAddress || '0x', _10 signer: ownerA, _10 } _10 _10 // Remove Owner B as delegate of Owner A _10 await apiKit.removeSafeDelegate(delegateConfig)
```

[Messages Reference](#)

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