

# Sort and Filter Wallets

## Summary

There are a few helper methods you can leverage to sort, filter, remove, or filter and sort wallets. You can call the methods from within the `walletsFilter` prop.

The helper methods are:

1. `FilterWallets`
2. `RemoveWallets`
3. `SortWallets`
4. `FilterAndSortWallets`
5. BYOF (Bring your own function)

## Setup

`walletsFilter` (optional)

To filter and sort wallets, you'll want to use the `walletsFilter` prop under settings. You will then use either the one of the helper methods or BYOF to organize your wallet list.

```
import { DynamicContextProvider, DynamicWidget, FilterWallets } from '@dynamic-labs/sdk-react-core'; ... <
DynamicContextProvider settings= { { ... walletsFilter: //select the function you want to use to filter and/or sort. } }
```

## Usage

For all examples we mention here, make sure you have the chains enabled in [the dashboard](#) and that you have used [the appropriate walletConnectors](#) in the `DynamicContextProvider`.

### FilterWallets

If you would like to filter out all wallets except for a predefined list, then call the `FilterWallets` method and include the wallets that you want your users to use:

```
import { DynamicContextProvider, DynamicWidget, FilterWallets } from '@dynamic-labs/sdk-react-core'; <
DynamicContextProvider settings= { { ... walletsFilter: FilterWallets ( [ 'wallet1' , 'wallet2' , 'wallet3' , 'wallet4' ] ) ; } }
```

### SortWallets

The Dynamic SDK has a predefined sorted list of wallets. If you want to change the wallet list to a different ordered list, add a sorted array of the wallets that you want to appear first. The rest of the wallets will keep their current order.

```
import { DynamicContextProvider , DynamicWidget , SortWallets } from '@dynamic-labs/sdk-react-core' ; <
DynamicContextProvider settings = { { ... walletsFilter : SortWallets ( [ 'wallet1' , 'wallet2' , 'wallet3' , 'wallet4' ] ) ; } }
```

### FilterAndSortWallets

If you would like to combine the previous two options, then you can use the `FilterAndSortWallets` method to define the wallets that you want to appear in a specific order.

```
import { DynamicContextProvider , DynamicWidget , FilterAndSortWallets } from '@dynamic-labs/sdk-react-core' ; ... <
DynamicContextProvider settings = { { ... walletsFilter : FilterAndSortWallets ( [ 'wallet1' , 'wallet2' , 'wallet3' , 'wallet4' ] ) ; } }
```

## RemoveWallets

If you want to remove specific wallets from the available list of wallets, you can call the RemoveWallets and specify which wallets you don't want your users to use:

```
import { DynamicContextProvider, DynamicWidget, RemoveWallets } from '@dynamic-labs/sdk-react-core'; ... <
DynamicContextProvider settings = { { ... walletsFilter : RemoveWallets ( [ 'wallet1' , 'wallet2' , 'wallet3' , 'wallet4' ] ) ; } }
```

## FilterChain

If you want to filter out wallets based on whether they support a chain, then you can call FilterChain and specify the chain you want the wallets to support.

```
import { DynamicContextProvider, FilterChain } from '@dynamic-labs/sdk-react-core'; < DynamicContextProvider settings= {
{ ... walletsFilter: FilterChain ( 'EVM' ) , // Will only display EVM compatible wallets } }
```

## BYOF (Bring Your Own Function)

If the above helper methods are not sufficient, you can design your own function and pass it to walletFilter.

```
< DynamicContextProvider settings= { { ... walletsFilter : ( wallets ) => { return wallets. filter ( ( wallet ) => { return [ 'wallet1' ,
'wallet2' ] . includes ( wallet. key ) } ) ; } , } }
```

## Combine multiple filters

You can use the pipe function to combine multiple operations to create your wallets filter.

For example, filters by chain, remove wallets and sort.

```
import { DynamicContextProvider, FilterChain } from '@dynamic-labs/sdk-react-core'; import { pipe } from '@dynamic-
labs/utlis'; < DynamicContextProvider settings= { { ... walletsFilter: pipe ( FilterChain ( 'EVM' ) ) . pipe ( RemoveWallets ( [
'wallet1' ] ) ) . pipe ( SortWallets ( [ 'wallet2' , 'wallet3' ] ) ) , } }
```

## Fetch standardized wallet options keys

To find the key of all the wallets options you can output all the keys using the following syntax:

```
import { useDynamicContext } from '@dynamic-labs/sdk-react-core'; const { walletConnectorOptions } =
useDynamicContext ( ) ; console . log ( walletConnectorOptions. map ( ( wallet ) => wallet. key ) ) ;
```

## Wallet list tabs

To configure multiple wallet filters, you can use the [wallet list tabs feature](#) to define different tabs for users to select.

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