Integrating Components

To integrate[Components](#) to your frontend, you will leverage two tools:

1. Wallet Selector
2. : Enables the user to select their preferred NEAR wallet in your dApp.
3. NEAR VM
4. : A package that can retrieve the component's code from the blockchain and execute it in the browser.

Using those tools you will implement the following flow:

1. Setup
2. the VM.
3. Render components using theWidget
4. component in the VM.
5. Setup
6. a wallet selector so users can interact with the Menu.

Adding the VM & Wallet Selector

To use theVM and thewallet-selector , you must add them to your project first.

The wallet selector has multiple wallet packages to select from[Check their website](#) for more information.

npm install \ @near-wallet-selector/core \ @near-wallet-selector/my-near-wallet \ @near-wallet-selector/modal-ui Then, manually add theVM to yourpackage.json :

"dependencies" :

{ ... "near-social-vm" :

"github:NearSocial/VM#2.5.5" ... } tip Check the latest released version for the VM[here](#)

Setup the VM

To render components, you need to import theuseInitNear hook from thenear-social-vm package, as well as theWidget component.

import

{ useInitNear ,

Widget

}

from

'near-social-vm' ; import

{ useEffect }

from

'react' ;

export

default

function

Component ({ src })

{ const

{ initNear }

=

```
useInitNear ( ) ;

useEffect ( ( )

=>

{ initNear &&

initNear ( {

networkId :

'testnet' ,

selector :

null

} ) ; } ,

[ initNear ] ) ;

return

< Widget src = { src }

/

        ; }

return

< Component src = "influencer.testnet/widget/Greeter" props = { { name :

"Anna" ,

amount :

2 } }

/
```

> tip Notice that the VM is inherently linked toReact , so you will need to use a reactive framework to take full advantage of the VM.

Setup the Wallet Selector

While the VM allows you to render components, you need to set up a wallet selector to allow users to interact with the components.

To instantiate aWallet Selector , simply import all the wallets you want your users to have access to, and the setup method from thenear-wallet-selector package.

```
import

'@near-wallet-selector/modal-ui/styles.css' ; import

{ setupModal }

from

'@near-wallet-selector/modal-ui' ; import

{ setupWalletSelector }

from

'@near-wallet-selector/core' ; import

{ setupMyNearWallet }

from
```

```
'@near-wallet-selector/my-near-wallet' ;

const selector =

setupWalletSelector ( { network : 'testnet , modules :

[ setupMyNearWallet ( ) ] , } ) ;
```

Then use it during the call to `initNear` :

```
useEffect ( ( )

=>

{ initNear &&

initNear ( {

networkId :

'testnet' ,

selector : selector } ) ; } ,

[ initNear ] ) ;
```

tip To learn more about the wallet selector and how it can be used, please see the [integrating NEAR to your WebApp tutorial](#) [Edit this page](#) Last updatedonMar 25, 2024 bygagdiez Was this page helpful? Yes No