

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 to React , 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 a Wallet Selector , simply import all the wallets you want your users to have access to, and the setup method from the near-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 updated on Jan 12, 2024 by gagdiez Was this page helpful? Yes No
```

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