

Creating Accounts

You might want to create an account from a contract for many reasons. One example: You want to [progressively onboard](#) users, hiding the whole concept of NEAR from them at the beginning, and automatically create accounts for them (these could be sub-accounts of your main contract, such as `user123.some-cool-game.near`).

Since an account with no balance is almost unusable, you probably want to combine this with the token transfer from [the last page](#). You will also need to give the account an access key. Here's a way to do it:

```
NearPromise . new ( "subaccount.example.near" ) . createAccount ( ) . addFullAccessKey ( near . signerAccountPk ( ) ) . transfer ( BigInt ( 250_000_000_000_000_000_000_000 ) ) ;
```

// 2.5e23yN, 0.25N In the context of a full contract:

```
import
```

```
{
```

```
NearPromise , near }
```

```
from
```

```
"near-sdk-js" ;
```

```
@ NearBindgen ( { } ) export
```

```
class
```

```
Contract
```

```
{ @ call ( {
```

```
privateFunction :
```

```
true
```

```
} ) createSubaccount ( { prefix } )
```

```
{ const subaccountId =
```

```
{ prefix } . { near . currentAccountId ( ) } ; return
```

```
NearPromise . new ( subaccount_id ) . createAccount ( ) . addFullAccessKey ( near . signerAccountPk ( ) ) . transfer ( BigInt ( 250_000_000_000_000_000_000_000 ) ) ;
```

// 2.5e23yN, 0.25N } } Things to note:

- `addFullAccessKey`
- – This example passes in the public key of the human or app that signed the original transaction that resulted in this function call ([signerAccountPk](#)
-). You could also use [addAccessKey](#)
- to add a Function Call access key that only permits the account to make calls to a predefined set of contract functions.
- `{ privateFunction: true }`
- – if you have a function that spends your contract's funds, you probably want to protect it in some way. This example does so with a perhaps-too-simple `{ privateFunction: true }`
- decorator parameter. [Edit this page](#) Last updated on Jan 20, 2023 by Dennis Was this page helpful? Yes No

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