

# Installation & Basics

## Installation

To get started with fhenix.js, you need to install it as a dependency in your JavaScript project. You can do this using npm (Node Package Manager) or Yarn. Open your terminal and navigate to your project's directory, then run the following:

- yarn
- npm
- pnpm

yarn add fhenixjs npm install fhenixjs pnpm add fhenixjs

## Usage

When initializing a new Fhenix Client we need to inject it with a provider - this can be a provider from any of your favorite web3 libraries - ethers, hardhat, web3js, etc.

```
import
```

```
{
```

```
FhenixClient
```

```
}
```

```
from
```

```
'fhenixjs' ; import
```

```
{
```

```
JsonRpcProvider
```

```
}
```

```
from
```

```
'ethers' ;
```

```
// initialize your web3 provider const provider =
```

```
new
```

```
JsonRpcProvider ( 'https://test01.fhenix.zone/evm' ) ;
```

```
// initialize Fhenix Client const client =
```

```
new
```

```
FhenixClient ( { provider } ) ;
```

```
// to encrypt data for a Fhenix contract let encrypted =
```

```
await client . encrypt ( 5 ,
```

```
EncryptionTypes . uint8 ) ;
```

```
// ... // contract logic goes here // ...
```

```
// to unseal data returned from a Fhenix contract const cleartext = client . unseal ( contractAddress , sealed ) ;
```

## Full Documentation

For a full list of all fhenix.js methods and classes please visit the fhenixjs documentation [here](#) .

Help! If you experience any issues, or for general questions, support, or anything else join our Discord [Edit this page](#)

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