

Multivers^x

Interact with the Network using **sdk-js**

Overview

- talk to the Network
- create, sign, broadcast **transactions**
 - contract interactions
- query state
 - balances
 - contract state
- 3 simple CLI apps

sdk-js-*

- @multiversx/sdk-core (v12)
- @multiversx/sdk-wallet (v4)
- @multiversx/sdk-network-providers (v2)

More at:

<https://docs.multiversx.com/sdk-and-tools/sdk-js>

For **dapps**:

<https://docs.multiversx.com/sdk-and-tools/sdk-dapp>

For **microservices**:

<https://github.com/multiversx/mx-sdk-nestjs>

SDK specs 🚀

Work in progress 🛠️

- standardization
- consistency

Specs (language-agnostic):

<https://github.com/multiversx/mx-sdk-specs>

Implementing libraries: **JavaScript** (these), **Python**, **Go**, **Rust** etc.

<https://docs.multiversx.com/sdk-and-tools/sdk-js/sdk-js-cookbook>

<https://docs.multiversx.com/sdk-and-tools/sdk-py/sdk-py-cookbook>

Three simple CLI apps

1. transfers.js

- **create**, **sign** and **broadcast**: EGLD, ESDT transfers
- **query** the balances of an account: EGLD, ESDTs

2. adder.js

- **deploy** contract, **interact** without ABI

3. lottery.js

- **deploy** contract, **interact** using ABI

ABI: endpoints, types, input, output parameters

Let's get started 🚀

<https://github.com/multiversx/mx-presentations>



Conclusion

What have we done:

- simple CLI apps using **sdk-js**-*

What have we learned:

- **create** and **broadcast** transactions
- **deploy**, **interact** with contracts
- **query** account state

Thank You, Have fun building!

<https://docs.multiversx.com/sdk-and-tools/sdk-js>

<https://github.com/multiversx/mx-presentations>

<https://github.com/multiversx/mx-sdk-specs>

