

matter	when	what
	Jan 11, 2025	<p>This an summary of “links” to a complete documentation (in progress) on Broad Context of KMAC project. Intended to be an working e-book for developers of SOROBAN smart contracts.</p> <p>By Jan 11, 2025, is Internal use only by author huitemagico</p>

Table of Contents

1 Step_By_Step KMAC tools.....	3
2 Setup: Tools install package manager brew https://brew.sh/	3
3 stellar-cli.....	3
4 stellar -V.....	3
5 stellar network add https://developers.stellar.org/docs/build/smart-contracts/getting-started/storing-data	3
6 stellar contract init ./ --with-example increment https://developers.stellar.org/docs/build/smart-contracts/getting-started/deploy-increment-contract stellar contract install \ ... Live version at vercel url https://create-soroban-dapp.vercel.app	3
7 https://create-soroban-dapp.xyz/	3
8 create.soroban to testing wallet.....	3
9 Step by: Como probar wallet https://create-soroban-dapp.vercel.app	3
10 build an SC Estructuras (objetos) basicos y funciones!.....	3
11 smart contract network identity sign the transaction Account.....	3
12 https://developers.stellar.org/docs/learn/fundamentals/stellar-data-structures/accounts	3
13 identidad.....	4
14 address.....	4
15 funcion deploy contract id=funciondeploy (identity,network,wasm) Stepby: setup instal rustc Stepby:stellar cli.....	4
16 generar una IDENTIDAD.....	4
17 stepby: comandos stellar.....	4
18 Stepby: Install rustc y stellar.....	4
19 Detalle.....	6
20 --frontend-template https://github.com/stellar/soroban-astro-template	6
21 Ahora tengo que hacer la secuencia de comandos:.....	6
22 FRONT END.....	6
23 stellar contract init ./ \.....	6
24 --frontend-template https://github.com/stellar/soroban-astro-template	6
25 added	6
26 https://developers.stellar.org/docs/build/apps/dapp-frontend#generate-an-npm-package-for-the-increment-contract	6
27 Capitulo del ejemplo de”increment”.....	7
28 3. Storing Data.....	7

29	Adding the increment contract.....	7
30	dos wasm:.....	7
31	jj) upload de wasm a la network:.....	7
32	stellar contract install \.....	7
33	stellar contract invoke \.....	8
34	https://developers.stellar.org/docs/build/apps/dapp-frontend	8
35	https://developers.stellar.org/docs/build/apps/dapp-frontend#initialize-a-frontend-toolchain	8
36	Node.js v18.14.1 or greater??.....	8
37	init project as an Astro project.....	8
38	T... stellar contract init command,.....	8
39	with --frontend-template flag.....	8
40	that allows us to pass the url of a frontend template repository.....	8
41	Generate an NPM package for the Increment contract.....	8
42	Vamos al laboratory.....	9
43	Accounts.....	9
44	identidad(step).....	10
45	address de una identidad vs private key:*.....	10
46	address:\$ soroban keys address alice.....	10
47	private key:\$ soroban keys show alice.....	10
48	friendbot.....	10
49	base sdk.....	10
50	https://developers.stellar.org/docs/tools/sdks/library	10
51	https://developers.stellar.org/docs/tools/sdks/library#soroban-rust-sdk	10
52	yarn??.....	10
53	FREIGHTER WALLET CHAPTER.....	10
54	https://developers.stellar.org/docs/smart-contracts/guides/freighter	10
55	Stellar Laboratory.....	10
56	trustline.....	10
57	https://developers.stellar.org/docs/learn/fundamentals/stellar-data-structures/accounts#trustlines	10
58	fund wallet fund wallet==way to store and manage their digital assets.....	10
59	Digital Wallet.....	10
60	Holding Funds.....	10
61	Security.....	10
62	Transactions.....	10
63	Portfolio Management.....	10
64	Friendbot.....	10
65	Fund account.....	10
66	Docker(stepbystep).....	10
67	https://docs.docker.com/desktop/use-desktop/container/#integrated-terminal	10
68	https://docs.docker.com/desktop/use-desktop/	10
69	https://docs.docker.com/desktop/install/ubuntu/	10
70	Vercel.....	11
71	next.js nodejs.....	11
72	dom pend.....	11
73	javascript.....	11
74	nextjs.....	11
75	react.....	11

1 Step_By_Step KMAC tools
rev Jan 11, 2025, Internal use only by author huitemagico
Index of topics

2 Setup: Tools install
package manager brew <https://brew.sh/>

3 stellar-cli

4 stellar -V

5 stellar network add
<https://developers.stellar.org/docs/build/smart-contracts/getting-started/storing-data>

6 stellar contract init ./ --with-example increment
<https://developers.stellar.org/docs/build/smart-contracts/getting-started/deploy-increment-contract>
stellar contract install \

...
Live version at vercel url <https://create-soroban-dapp.vercel.app>

7 <https://create-soroban-dapp.xyz/>

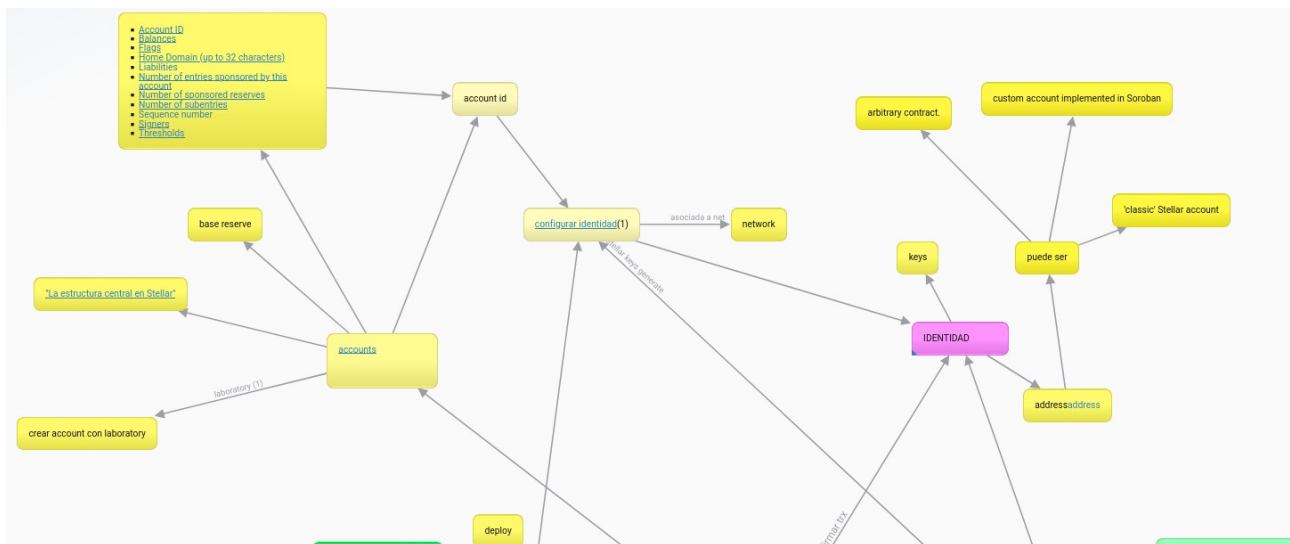
8 create.soroban to testing wallet

9 Step by: Como probar wallet <https://create-soroban-dapp.vercel.app>

10 build an SC
Estructuras (objetos) basicos y funciones!:

11 smart contract
network
identity
sign the transaction
Account

12 <https://developers.stellar.org/docs/learn/fundamentals/stellar-data-structures/accounts>



13 identidad

14 address

15 funcion deploy

contract id=funciondeploy (identity,network,wasm)

Stepby: setup instal rustc

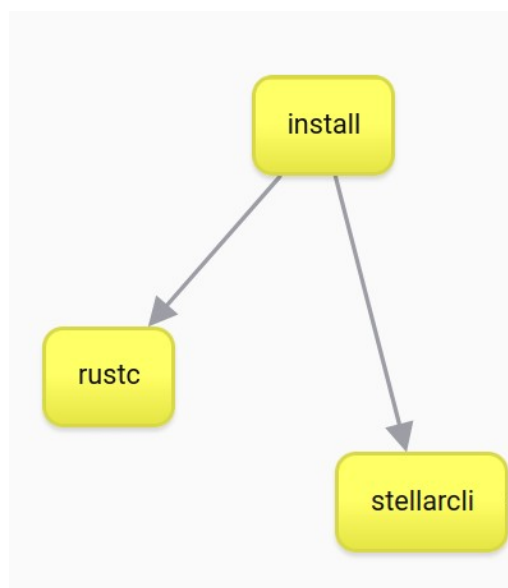
Stepby:stellar cli

16 generar una IDENTIDAD

17 stepby: comandos stellar

18 Stepby: Install rustc y stellar

a



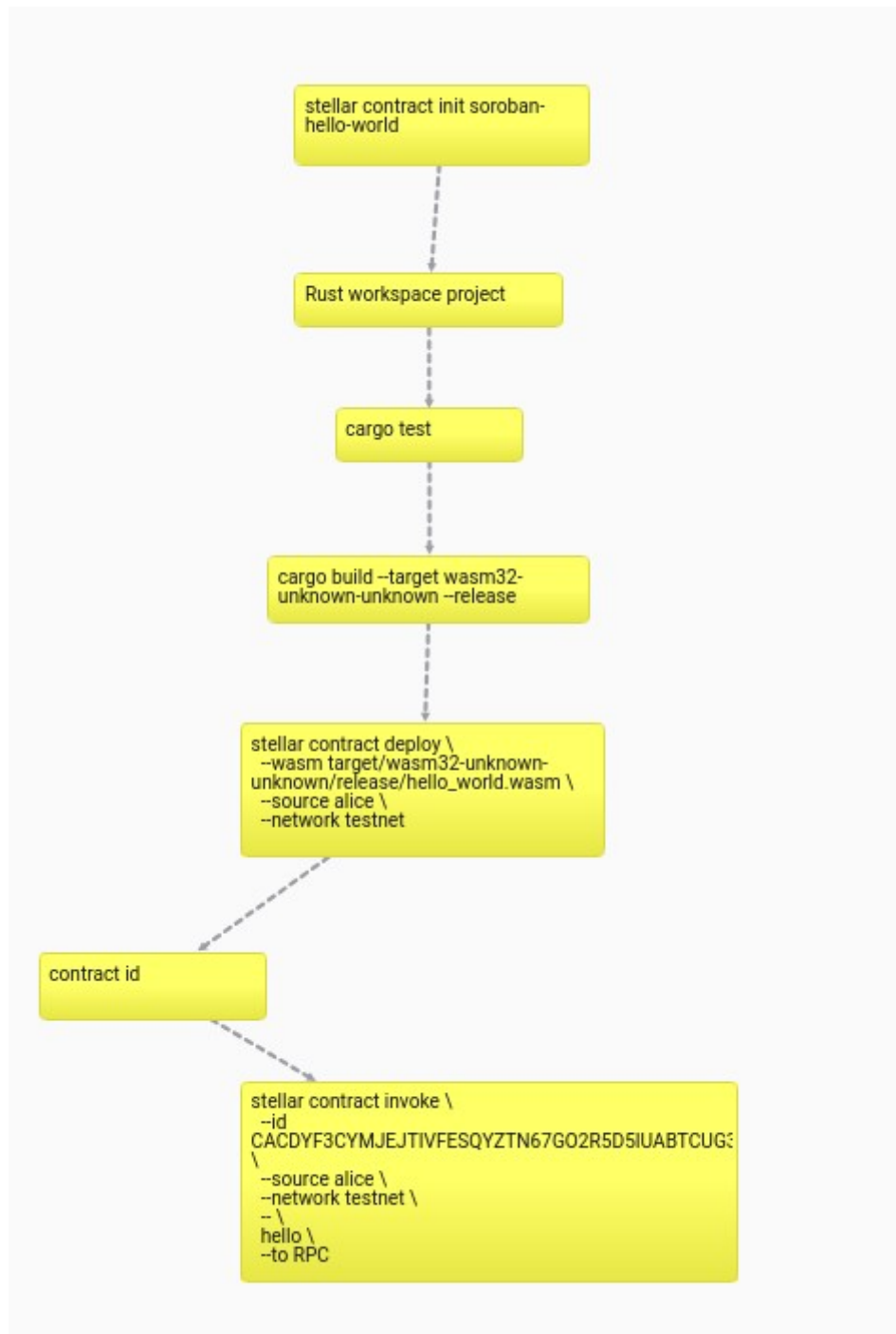
Stepby:network de prueba (comando stellar network)

Configure an Identity

Resumen Hello-world

estructura del proyecto "rust workspace project"

SECUENCIA DE TEST/BUILD/DEPLOY/INVOKE



19 Detalle

```
stellar contract init ./ \
```

20 --frontend-template

<https://github.com/stellar/soroban-astro-template>

21 Ahora tengo que hacer la secuencia de comandos:

```
$ ls -al target/wa*/release/*.wasm
```

22 FRONT END

```
23 stellar contract init ./ \
```

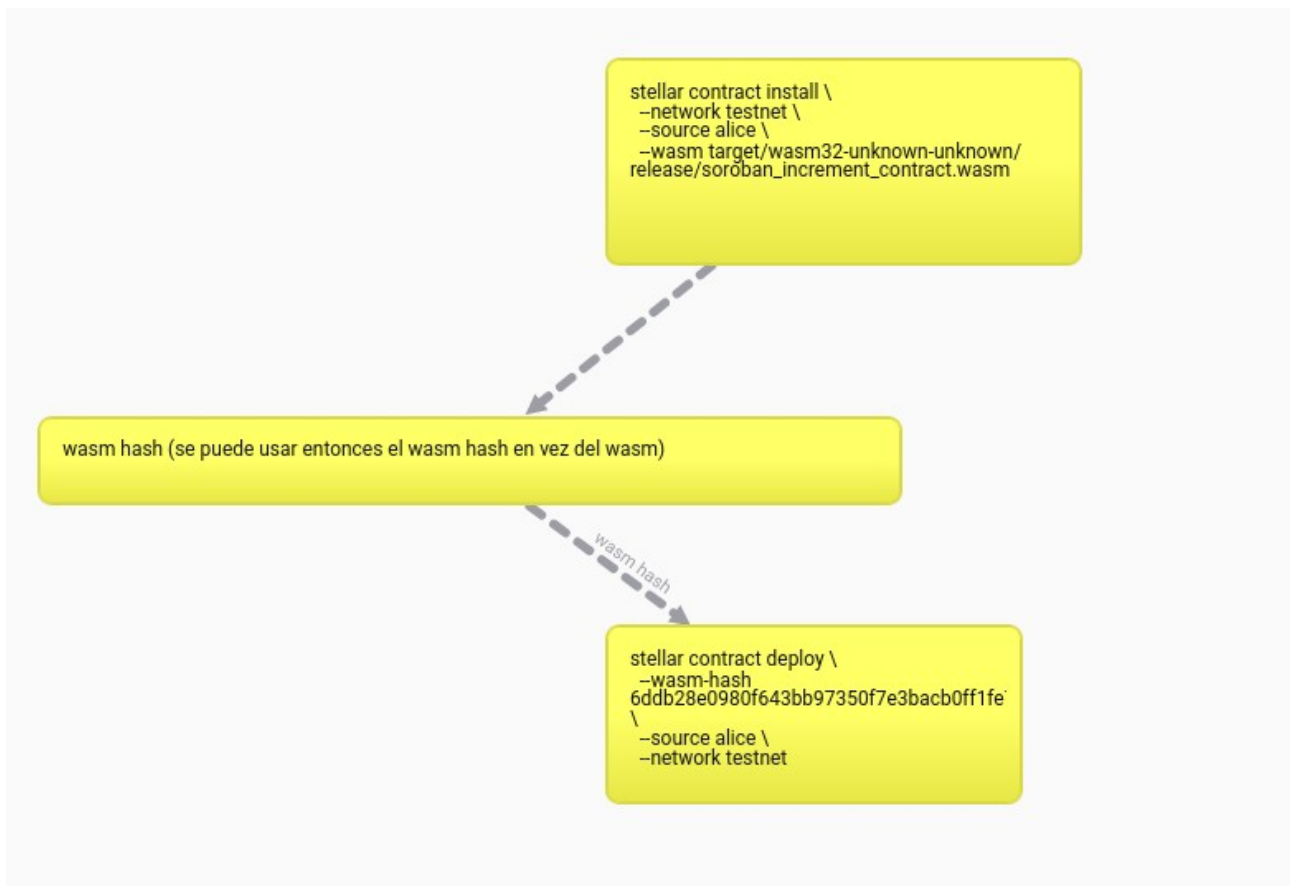
24 --frontend-template

<https://github.com/stellar/soroban-astro-template>

25 added ...

26 <https://developers.stellar.org/docs/build/apps/dapp-frontend#generate-an-npm-package-for-the-increment-contract>

27 Capitulo del ejemplo de "increment"
28 3. Storing Data
29 Adding the increment contract
30 dos wasm:
31 jj) upload de wasm a la network:
32 stellar contract install \



```
stellar contract deploy \  
  --wasm-hash ...  
stellar contract invoke \  
  --id CACDYF3CYMJE...YZTN67G02R5D5IUABTCUG3HXQSRXCSOROBAN \  
  --source alice \  
  --network testnet \  
  -- \  
  increment  
  
stellar contract invoke \  
  --id CAF64WUJUIYEALJ726PP07X4CPM4WUPV5ZG6N3NIZK0XAX4E4DEYSERD \  
  --source alice \
```

```
--network testnet \  
-- \  
increment
```

33 stellar contract invoke \
34 <https://developers.stellar.org/docs/build/apps/dapp-frontend>
35 <https://developers.stellar.org/docs/build/apps/dapp-frontend#initialize-a-frontend-toolchain>
36 [Node.js](#) v18.14.1 or greater??
37 init project as an Astro project.
38 T... stellar contract init command,
39 with --frontend-template flag
40 that allows us to pass the url of a frontend template repository.

```
stellar contract init ./ \  
  --frontend-template https://github.com/stellar/soroban-astro-template
```

sGenerate an NPM package for the Hello World contract

```
stellar contract bindings typescript \  
  --network testnet \  
  --contract-id $(cat .stellar/contract-ids/hello_world.txt) \  
  --output-dir packages/hello_world
```

41 Generate an NPM package for the Increment contract

...

42 Vamos al laboratory

<https://laboratory.stellar.org/#?network=test>

43 Accounts

Network testnet

44 identidad(step)
45 address de una identidad vs private key:*
46 address:\$ soroban keys address alice
47 private key:\$ soroban keys show alice
48 friendbot
49 base sdk
50 <https://developers.stellar.org/docs/tools/sdks/library>
51 <https://developers.stellar.org/docs/tools/sdks/library#soroban-rust-sdk>
52 yarn??
53 FREIGHTER WALLET CHAPTER
54 <https://developers.stellar.org/docs/smart-contracts/guides/freighter>
55 Stellar [Laboratory](#).
56 trustline
57 <https://developers.stellar.org/docs/learn/fundamentals/stellar-data-structures/accounts#trustlines>
58 fund wallet
fund wallet==way to store and manage their digital assets

59 Digital Wallet
60 Holding Funds
61 Security
62 Transactions
63 Portfolio Management
64 Friendbot
65 Fund account
66 Docker(stepbystep)
67 <https://docs.docker.com/desktop/use-desktop/container/#integrated-terminal>
68 <https://docs.docker.com/desktop/use-desktop/>
69 <https://docs.docker.com/desktop/install/ubuntu/>

70 Vercel
71 next.js nodejs
72 dom pend
73 javascript
74 nextjs
75 react