# CosmWasm

Details for working with CosmWasm environment chains.

Addresses

Because Wormhole works with many environments, the Wormhole address format is normalized.

For CosmWasm based chains, this means a wormhole formatted address is the bech32 format converted to hex.

e.g.xpla137w0wfch2dfmz7jl2ap8pcmswasj8kg06ay4dtjzw7tzkn77ufxqfw7acv
=>0x8f9cf727175353b17a5f574270e370776123d90fd74956ae4277962b4fdee24c

Emitter

The emitter address on CosmWasm chains is the canonical address of the contract, normalized to the wormhole address format.

Cosmoshub

Ecosystem

- No webpage, updatehere
- No explorer, updatehere
- No dev docs, updatehere
- 

Wormhole Details

- Name
- :cosmoshub
- Chain ID
- :4000
- Contract Source
- : No source file, updatehere
- 

Mainnet Contracts (cosmoshub-4 )

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

Testnet Contracts (theta-testnet-001 )

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

Local Network Contract

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

Evmos

Ecosystem

- Web site
- https://www.mintscan.io/evmos
- No dev docs, updatehere
- 

Wormhole Details

- Name
- :evmos
- Chain ID
- :4001
- Contract Source
- : No source file, updatehere
- 

Mainnet Contracts (evmos_9001-2 )

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

Testnet Contracts (evmos_9000-4 )

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

Local Network Contract

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

## Kujira

### Ecosystem

- No webpage, update [here](#)
- No explorer, update [here](#)
- No dev docs, update [here](#)
- 

### Wormhole Details

- Name
- :kujira
- Chain ID
- :4002
- Contract Source
- : No source file, update [here](#)
- 

Mainnet Contracts (kaiyo-1 )

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

Testnet Contracts (harpoon-4 )

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

Local Network Contract

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

## Injective

### Ecosystem

- [Web site](#)
- [Injective Explorer](#)
- [|Injective Testnet Explorer](#)
- [Developer docs](#)
- [|Injective Typescript SDK docs](#)
- [|Injective trading docs](#)
- 

### Wormhole Details

- Name
- :injective
- Chain ID
- :19
- Contract Source
- : No source file, update [here](#)
- 

Mainnet Contracts (injective-1 )

Type Contract Core inj17p9rzwnnfxcjp32un9ug7yhhzgtkhvl9l2q74d Token Bridge inj1ghd753shjuwexxywmgs4xz7x2q732vcnxxynfn NFT Bridge N/A

Testnet Contracts (injective-888 )

Type Contract Core inj1xx3aupmgv3ce537c0yce8zzd3sz567syuyedpg Token Bridge inj1q0e70vhrv063eah90mu97sazhywmeegp7myvnh NFT Bridge N/A

Local Network Contract

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

Osmosis

Ecosystem

- [Web site](#)
- No explorer, update[here](#)
- No dev docs, update[here](#)
- 

Wormhole Details

- Name
- :osmosis
- Chain ID
- :20
- Contract Source
- : No source file, update[here](#)
- 

Mainnet Contracts (osmosis-1 )

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

Testnet Contracts (osmo-test-5 )

Type Contract Core osmo1hggkxr0hpw83f8vuft7ruvmmamsxmwk2hzz6nytdkzyup9krt0dq27sgyx Token Bridge N/A NFT Bridge N/A

Local Network Contract

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

Sei

Ecosystem

- [Web site](#)
- No explorer, update[here](#)
- [Faucet](#)
- 

Wormhole Details

- Name
- :sei
- Chain ID
- :32
- Contract Source
- : No source file, update[here](#)
- 

Mainnet Contracts (pacific-1 )

Type Contract Core sei1gjrrme22cyha4ht2xapn3f08zzw6z3d4uxx6fyy9zd5dyr3yxgzqqncdqn Token Bridge sei1smzlm9t79kur392nu9egl8p8je9j92q4gzguewj56a05kyxxra0qy0nuf3 NFT Bridge N/A

Testnet Contracts (atlantic-2 )

Type Contract Core sei1nna9mzp274djrgzhzkac2gvm3j27l402s4xzr08chq57pjsupqnqaj0d5s Token Bridge sei1jv5xw094mclanxt5emammy875qelf3v62u4tl4lp5nhte3w3s9ts9w9az2 NFT Bridge N/A

Local Network Contract

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

## Terra

### Ecosystem

- No webpage, update here
- No explorer, update here
- No dev docs, update here
- 

### Wormhole Details

- Name
- :terra
- Chain ID
- :3
- Contract Source
- : No source file, update here
- 

### Mainnet Contracts (columbus-5 )

Type Contract Core terra1dq03ugtd40zu9hcgdzrsq6z2z4hwhc9tqk2uy5 Token Bridge terra10nmmwe8r3g99a9newtqa7a75xfgs2e8z87r2sf NFT Bridge N/A

### Testnet Contracts (bombay-12 )

Type Contract Core terra1pd65m0q9tl3v8znnz5f5ltsfegyzah7g42cx5v Token Bridge terra1pseddrv0yfsn76u4zxrjmtf45kdlmalswdv39a NFT Bridge N/A

### Local Network Contract

Type Contract Core terra14hj2tavq8fpesdwxxcu44rty3hh90vhujrvcmstl4zr3txmfvw9ssrc8au Token Bridge terra1nc5tatafv6eyq7llkr2gv50ff9e22mnf70qgjlv737ktmt4eswrquka9l6 NFT Bridge N/A

## Terra2

### Ecosystem

- No webpage, update here
- No explorer, update here
- No dev docs, update here
- 

### Wormhole Details

- Name
- :terra2
- Chain ID
- :18
- Contract Source
- : No source file, update here
- 

### Mainnet Contracts (phoenix-1 )

Type Contract Core terra12mrnzvhx3rpej6843uge2yyfppfyd3u9c3uq223q8sl48huz9juqffcnhp Token Bridge terra153366q50k7t8nn7gec00hg66crnhkdggpgdtaxltaq6xrutkkz3s992fw9 NFT Bridge N/A

### Testnet Contracts (pisco-1 )

Type Contract Core terra19nv3xr5lrmmr7egvrk2kqgw4kcn43xrtd5g0mpgwwvhetusk4k7s66jyv0 Token Bridge terra1c02vds4uhgtrmcw7ldlg75zumdqxr8hwf7npseuf2h58jzhpgjxsgmwkvk NFT Bridge N/A

### Local Network Contract

Type Contract Core terra14hj2tavq8fpesdwxxcu44rty3hh90vhujrvcmstl4zr3txmfvw9ssrc8au Token Bridge terra1nc5tatafv6eyq7llkr2gv50ff9e22mnf70qgjlv737ktmt4eswrquka9l6 NFT Bridge N/A

Xpla

Ecosystem

- No webpage, update[here](#)
- No explorer, update[here](#)
- No dev docs, update[here](#)
- 

Wormhole Details

- Name
- :xpla
- Chain ID
- :28
- Contract Source
- : No source file, update[here](#)
- 

Mainnet Contracts (dimension_37-1 )

Type Contract Core xpla1jn8qmdda5m6f6fqu9qv46rt7ajhklg40ukpqchkejcvy8x7w26cqxamv3w Token Bridge xpla137w0wfch2dfmz7jl2ap8pcmswasj8kg06ay4dtjzw7tzkn77ufxqfw7acv NFT Bridge N/A

Testnet Contracts (cube_47-5 )

Type Contract Core xpla1upkjn4mthr0047kahvn0llqx4qpqfn75lnph4jpxfn8walmm8mqsanyy35 Token Bridge xpla1kek6zgdaxcsu35nqfsyvs2t9vs87dqkkq6hjdgczacysjn67vt8sern93x NFT Bridge N/A

Local Network Contract

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

Neutron

Ecosystem

- [Web site](#)
- No explorer, update[here](#)
- [Developer docs](#)
- 

Wormhole Details

- Name
- :neutron
- Chain ID
- :4003
- Contract Source
- : No source file, update[here](#)
- 

Mainnet Contracts (neutron-1 )

Type Contract Core neutron16rerygcpahqcxx5t8vjla46ym8ccn7xz7rtc6ju5ujcd36cmc7zs9zrunh Token Bridge N/A NFT Bridge N/A

Testnet Contracts (pion-1 )

Type Contract Core neutron1rhqgnak5z0pla5sgqq7ykqh8glckk4h67fe0hgjfcyulx2nqa0yqaswtnp Token Bridge N/A NFT Bridge N/A

Local Network Contract

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

Celestia

Ecosystem

- [Web site](#)
- No explorer, update[here](#)
- [Developer docs](#)
- 

Wormhole Details

- Name
- :celestia
- Chain ID
- :4004
- Contract Source
- : No source file, update[here](#)
- 

Mainnet Contracts (celestia )

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

Testnet Contracts (mocha-4 )

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

Local Network Contract

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

Dymension

Ecosystem

- [Web site](#)
- [https://www.mintscan.io/dymension](https://www.mintscan.io/dymension)
- No dev docs, update[here](#)
- 

Wormhole Details

- Name
- :dymension
- Chain ID
- :4007
- Contract Source
- : No source file, update[here](#)
- 

Mainnet Contracts (dymension_1100-1 )

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

Testnet Contracts

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

Local Network Contract

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

Stargaze

Ecosystem

- [Web site](#)
- [https://www.mintscan.io/stargaze](https://www.mintscan.io/stargaze)
- No dev docs, update[here](#)
- 

Wormhole Details

- Name

- :stargaze
- Chain ID
- :4005
- Contract Source
- : No source file, update[here](#)
- 

## Mainnet Contracts (stargaze-1 )

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

## Testnet Contracts

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

## Local Network Contract

Type Contract Core N/A Token Bridge N/A NFT Bridge N/A

Last updated19 days ago

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