

Aptos

Details for working with Aptos based chains.

Addresses

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

For Aptos based chains, no normalization is needed for standard addresses since they're already 32 bytes.

e.g. 0x84a5f374d29fc77e370014dce4fd6a55b58ad608de8074b0be5571701724da31
=>0x84a5f374d29fc77e370014dce4fd6a55b58ad608de8074b0be5571701724da31

However, emitter addresses are recorded as a uint64 (8 bytes), so they're left padded with 0 s to 32 bytes.

[illegible]

Emitter

On Aptos, an emitter capability is taken from the core bridge. The core bridge generates capabilities in a sequence and the capability object ID is its index in the sequence.

The capability object ID (uint64) is used as the emitter address after normalizing to wormhole address format.

Aptos

Ecosystem

- [Web site](#)
- [Aptos Explorer](#)
- [|AptoScan](#)
- [Developer Docs](#)
- [|Faucet](#)
-

Wormhole Details

- Name
- :aptos
- Chain ID
- :22
- Contract Source
- [:aptos/wormhole/sources/wormhole.move](#)
-

Consistency Levels

The options for consistencyLevel (i.e finality) are:

Level Value Finalized 0 This field is may be ignored since the chain provides instant finality.

For more information see <https://aptos.dev/reference/glossary/#byzantine-fault-tolerance-bft>

Mainnet Contracts (1)

Type Contract Core 0x5bc11445584a763c1fa7ed39081f1b920954da14e04b32440cba863d03e19625 Token Bridge 0x576410486a2da45eee6c949c995670112ddf2fbedab20350d506328eefc9d4f NFT Bridge 0x1bdfae984043833ed7fe223f7af7a3f8902d04129b14f801823e64827da7130

Testnet Contracts (2)

Type Contract Core 0x5bc11445584a763c1fa7ed39081f1b920954da14e04b32440cba863d03e19625 Token Bridge 0x576410486a2da45eee6c949c995670112ddf2fbedab20350d506328eefc9d4f NFT Bridge 0x1bdfae984043833ed7fe223f7af7a3f8902d04129b14f801823e64827da7130

Local Network Contract

Type Contract Core 0xde0036a9600559e295d5f6802ef6f3f802f510366e0c23912b0655d972166017 Token Bridge 0x84a5f374d29fc77e370014dce4fd6a55b58ad608de8074b0be5571701724da31 NFT Bridge

0x46da3d4c569388af61f951bdd1153f4c875f90c2991f6b2d0a38e2161a40852c

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