EVM version

Shanghai

EVM <> Wasm Interoperability

EVM and Cosmos based applications co-exist on Sei, but live in different execution environments. This creates a challenge for users, who use wallets that typically only support a single execution environment. Likewise for devlelopers, existing tooling and libraries can only interact with either EVM or Wasm (Think EthersJS vs CosmJS).

To bridge the gap between EVM and Wasm, Sei has introduced novel interoperability features, allowing for smooth and easy interactions between both environments. These features will enable all contracts deployed to Sei to be accessible by tools and wallets from both environments.

Enabling seamless access to all tokens and contracts on Sei

Precompiled Contracts

Sei precompiles are smart contracts embedded directly within the Sei blockchain. They provide a gateway for users and developers to access native Sei functionalities through the EVM RPC interface.

Sei Precompiles

The following is a list of precompiled contracts available on Sei:

- Addr
- Bank
- CosmWasm
- Staking
- Distribution
- IBC
- JSON
- Oracle
- Pointer
- PointerView
- Governance

For instructions on utilizing these precompiles, refer to the Example Usage section.

Pointer Contracts

Pointer Contracts are a unique feature introduced on Sei, designed to enhance interoperability between EVM and CosmWasm environments. These contracts facilitate the creation of links between tokens across both EVM and CosmWasm. This enables tokens to move smoothly and be used seamlessly in both environments.

Learn more about Pointer Contracts and how to deploy them here .

Last updated onMay 24, 2024 EVM RPC Endpoints Example Usage