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Cross-chain Messaging with IBC Hooks

IBC Hooks for Cross-Chain Messaging

IBC-Hooks is an IBC middleware that uses incoming ICS-20 token transfers to initiate smart contract calls. Secret Network created a Cosmos Developer SDK that uses IBC hooks to execute Secret gateway contracts, which allows Cosmos developers on other chains to use Secret as a privacy layer for your chain.

The SDK abstracts the complexities involved in interacting with the Secret Network for applications that deal with Cosmos wallets. It introduces a secure method for generating confidential messages and reliably authenticating users at the same time using the chacha20poly1305 algorithm.

The SDK can be used for developing major gateways that forward incoming messages to Secret Network, as well as built-in support for confidential messages directly in other contracts. To learn by doing, start with the key value store developer tutorial [here](#).

SDK Requirements

- IBC Transfer channel between the consumer chain and Secret Network

See [Mintscan](#) for a list of existing transfer channels between Cosmos chains and Secret Network [Previous Overview](#) [Next Functions, Methods, and Data Structures](#) Last updated 8 days ago