

# SDK

The `sdk` module is your gateway to building powerful swap features on Solana using 1inch Fusion. It lets you easily fetch price quotes, create on-chain orders, and track their status. Whether you're building a DeFi app or integrating swaps into a wallet, this module gives you a clean, reliable way to tap into 1inch's Fusion engine on Solana.

## Creation

### With axios provider

```
import { Address, FusionSwapContract, Sdk } from "@1inch/solana-fusion-sdk";
import { AxiosHttpProvider } from "@1inch/solana-fusion-sdk/axios";

const sdk = new Sdk(new AxiosHttpProvider(), {
  baseUrl: "https://api.1inch.dev/fusion",
  authKey: "your key",
  version: "v1.0",
});
```

### With custom provider

```
import {
  Address,
  FusionSwapContract,
  Sdk,
  HttpProvider,
} from "@1inch/solana-fusion-sdk";

class MyProvider implements HttpProvider {
  // implement methods
}

const sdk = new Sdk(new MyProvider(), {
  baseUrl: "https://api.1inch.dev/fusion",
  authKey: "your key",
  version: "v1.0",
});
```

# Methods

## getQuote

Description: Get quote for the order.

Arguments:

Name	Type	Description
<code>srcToken</code>	<a href="#">Address</a>	Source token mint address.
<code>dstToken</code>	<a href="#">Address</a>	Destination token mint address.
<code>amount</code>	<code>bigint</code>	Amount of source tokens.
<code>signer</code>	<a href="#">Address</a>	User's wallet address.
<code>slippage?</code>	<a href="#">Bps</a>	Maximum allowed slippage (optional).

Returns: The [Quote](#) object.

## createOrder

Description: Create a Fusion order.

Arguments:

Name	Type	Description
<code>srcToken</code>	<a href="#">Address</a>	Source token mint address.
<code>dstToken</code>	<a href="#">Address</a>	Destination token mint address.
<code>amount</code>	<code>bigint</code>	Amount of source tokens.
<code>signer</code>	<a href="#">Address</a>	User's wallet address.
<code>slippage?</code>	<a href="#">Bps</a>	Maximum allowed slippage (optional).

Returns: The [FusionOrder](#) object.

## getOrderStatus

Description: Get order status.

Arguments:

Name	Type	Description
<code>orderHash</code>	<code>string</code>	Base58-encoded hash of the order. Use <code>FusionOrder.getOrderHashBase58</code> to generate it.

Returns: The [OrderStatus](#) object.

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