# Best practices of using OpenOcean API

Thanks for being an OpenOcean API partner. Below are some best practices to follow when using the OpenOcean API service, we suggest reading through the following API instructions below carefully.

1. Please verify the price impact before sending a transaction on-chain (on both the swap and the confirmation interface). We now support the 'price impact' parameter (price impact % = (volume of outToken - volume of inToken)/ volume of inToken) on quote API & swap_quote API; recommend setting a % limit for Price Impact to prevent users' assets from price-based volatility. Once the 'outAmount' of 'outToken' is beyond the range, it will automatically stop the transaction from being submitted on-chain.

2. You must add a referrer address to help both sides track and monitor the data. Please see the guidelines [here](#).

3. We would always suggest alerting users about the potential risks when they trade, especially with custom tokens!

4. We recommend implementing a verification process before sending any transaction data on-chain. It's aiming to check if the 'chainId' of the transaction data matches the user's wallet 'chainId'. See the below example.
   ```
   let chainId = await this.wallet.sdk.eth.getChainId()
   if (chainId != swapData.chainId || !chainId) {
      reject({
          message: "Please be aware: Your wallet's network is different from OpenOcean's.
   Switch networks before sending transaction."
      })
      return
   ```

5. When sending transactions on-chain, use [eth_estimateGas](#) * 1.25 or 1.5 as needed. If the 'estmateGas' fails, we don't recommend submitting the tx on-chain.

   We also recommend updating the 'gasprice' parameter to avoid future failures due to the fluctuations of the on-chain gas price.

6. Limiting API Requests. We retain sole discretion to limit your API requests if your usage of the offering exceeds the usage threshold specified in your Paid Plan.

We appreciate your cooperation and look forward to a successful partnership with OpenOcean API!