

Paymaster as a Service

Integrate our Paymaster with a wide range of token choices into your dApp. Velocore provides free & easy paymaster implementation support and common reward pool benefits for partners to promote zkSyncEra's native AA feature.

Available tokens

As a Dex, we want to take over the inventory risk and add as many different tokens to the paymaster as possible.

1. Major tokens : USDT / USDC / DAI / wBTC
2. Proxy tokens whitelisted by MatterLabs
3. Partner protocol tokens
- 4.

When you use the Velocore paymaster, your tokens will automatically be available for gas on all protocols that use our paymaster. We're stronger together.

How to integrate?

Follow this procedure from the official docs to change the paymaster param to be sent with the transaction when it's sent, and simply add the associated settings UI to make it usable.

Reference dev docs : [Paymaster /zksync sdk for AA](#)

Official paymaster contract : [0x443F985fd3484b9FDC7B5df58c9A0FAdbe449b92](#)

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```
Copy import{ Contract,Provider,types,utils,Wallet }from'zksync-web3'; import{ ethers }from'ethers'; // Define the Paymaster
address constant constPAYMASTER_ADDRESS='0x86E6Ab1950770e24035D1b3a5907C7D503d43B01';
constprovider=newProvider(RPC_URL); constsigner=newWallet(PRIVATE_KEY,provider);
```

```
constcontract=newContract(CONTRACT_ADDRESS,CONTRACT_ABI,provider); // Transaction methods: approve and swap
// Define the public address as ACCOUNT constprepareContractTx=awaitcontract.populateTransactionmethod; // Estimating
gas requirements for the transaction
constestimatedGas=awaitprovider.estimateGas({...prepareContractTx,from:ACCOUNT});
constcurrentGasPrice=awaitprovider.getGasPrice(); // Setting up parameters for the Paymaster // ERC20 token address
used to pay for gas constpaymasterSetup=utils.getPaymasterParams(PAYMASTER_ADDRESS,{ type:"ApprovalBased",
TOKEN_ADDRESS, minimalAllowance:ethers.BigNumber.from(1), innerInput:newUint8Array(), });
prepareContractTx.customData={ gasPerPubdata:utils.DEFAULT_GAS_PER_PUBDATA_LIMIT, paymasterSetup, };
```

```
consttransactionResult=awaitsigner.sendTransaction({ ...prepareContractTx, maxFeePerGas:currentGasPrice,
maxPriorityFeePerGas:BigNumber.from(0), gasLimit:estimatedGas, });
```

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