

Get started with the Arbitrum Orbit SDK

PUBLIC PREVIEW, MAINNET READY Orbit chains are now [Mainnet ready](#) ! Note that Orbit is still [public preview](#) capability - the Orbit product and its supporting documentation may change significantly as we capture feedback from readers like you.

To provide feedback, click the [Request an update](#) button at the top of this document, [Join the Arbitrum Discord](#), or reach out to our team directly by completing [this form](#). The Arbitrum Orbit SDK lets you programmatically create and manage your own Orbit chain(s). Its capabilities include:

- Configuration and deployment of your Orbit chain's core contracts
- Initialization of your chain and management of its configuration post-deployment

1. Select a chain type

There are three types of Orbit chains. Review the following table to determine which type best fits your needs:

Chain Type	Description	Use Case	Rollup Offers
Arbitrum One	Ethereum-grade security by batching, compressing, and posting data to the parent chain, similarly to Arbitrum One .	Ideal for applications that require high security guarantees.	AnyTrust Implements the AnyTrust protocol , relying on an external Data Availability Committee (DAC) to store data and provide it on-demand instead of using their parent chain as the Data Availability (DA) layer. Suitable for applications that require lower transaction fees.
Custom Gas Token	An AnyTrust Orbit chain with the ability to specify a custom ERC-20 gas token.	Ideal for applications that require custom gas fee tokens and lower transaction fees.	

2. Deploy your chain

After selecting a chain type, you need to deploy your Orbit chain. Visit the deployment guide for your selected chain type:

- [Deploy a Rollup Orbit chain](#)
- [Deploy an AnyTrust Orbit chain](#)
- [Deploy a Custom Gas Token Orbit chain](#)

3. Configure your Orbit chain's node

After selecting a chain type, you need to specify your Orbit chain's node configuration by creating a JSON file. Visit [Configure your Orbit chain's node](#), then proceed to the next step.

4. Deploy your Orbit chain's token bridge

Your Orbit chain's token bridge contracts allow ERC-20 tokens to move between your Orbit chain and its underlying parent chain. See [Deploy your Orbit chain's token bridge](#), then proceed to the next step.

5. Configure your Orbit chain

With your node configuration specified and token bridge deployed, you'll be ready to configure your Orbit chain. Visit [Configure your Orbit chain](#) to complete this final step.

See also

- Learn more about the [AnyTrust consensus mechanism](#)
- Learn more about the [ERC-20 token bridge architecture](#) [Edit this page](#) Last updated on Apr 2, 2024 [Previous Orbit FAQ](#) [Next Deploy a Rollup chain](#)