

Discovery (Orbit EigenDA) Testnet

Overview

Discovery is an Arbitrum Orbit public testnet that uses EigenDA as its data availability layer. With Discovery, L2 transaction data are written to EigenDA. The resulting EigenDA blob key is then written to Ethereum calldata. By doing so, the cost of the calldata becomes relatively negligible, even when the actual blob data is megabytes in size. The sequencer will then be able to retrieve the blob keys from the calldata and then retrieve the blob from EigenDA. To learn more about Orbit EigenDA, please refer to EigenLayer's [Orbit Integration](#) article.

Discovery Testnet info

Parameter Value Network Name Discovery Chain ID 183940 Currency Symbol ETH Settlement Layer Arbitrum Sepolia Testnet Rollup Info Page <https://rollup-info.altlayer.io/public/discovery> Explorer <https://discovery-eigenda-explorer.alt.technology> Public RPC URL <https://discovery-eigenda.alt.technology> Bridge <https://bridge.arbitrum.io>

Short Guide

1. 2. To start using the network, you can add the network to your wallet by visiting the 3. [Rollup Info Page](#) 4. . 5. Adding Discovery Testnet to your wallet by using the Rollup Info Page 6. 2. 7. To bridge your Sepolia Testnet ETH to Discovery Testnet, you can do so by the steps below. 8. Visit the 9. [Arbitrum bridge interface](#) 10. and "Turn on Testnet Mode" by changing the "Settings". 11. Turning on Testnet Mode on Arbitrum bridge interface 12. 13. 3. 14. Once the Testnet Mode is turned on, you can copy the Discovery Testnet Orbit Chain info as shown below and "Add Testnet Orbit Chain". 15. Adding Discovery Testnet Orbit Chain info { "chainInfo" :

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{ "minL2BaseFee" :  
100000000 , "networkFeeReceiver" :  
"0x66530799037b46913e52e9e0144D15ab6ed954f5" , "infrastructureFeeCollector" :  
"0x66530799037b46913e52e9e0144D15ab6ed954f5" , "batchPoster" :  
"0x7d4BF434C1342321032134a58d23E98EAc22CC17" , "staker" :  
"0x3e9a42CbF0B6c15c1BfF28879E864beC3a4c261f" , "chainOwner" :  
"0x66530799037b46913e52e9e0144D15ab6ed954f5" , "chainName" :  
"Discovery" , "chainId" :  
183940 , "parentChainId" :  
421614 , "rpcUrl" :  
"https://discovery-eigenda.alt.technology" , "explorerUrl" :  
"https://discovery-eigenda-explorer.alt.technology" , "nativeToken" :  
"0x0000000000000000000000000000000000000000" } , "coreContracts" :  
{ "rollup" :  
"0x91aF691c673Aa1A17F21184a2e9a12b4A79Ad6Ad" , "inbox" :  
"0x75cea27F438bD8feFC3cAB4A3828eF1448df50ef" , "outbox" :  
"0xFC8ae44F27141E35587e6779A78996Da2a2Bf68a" , "adminProxy" :  
"0x099260663bf88217542828d93f3230B77A063553" , "sequencerInbox" :  
"0x28688B47599E629B0DdFcF3caa470664e6aa5411" , "bridge" :  
"0x58Ed78aAA277FC049316EDFaE752d331C7055745" , "utils" :  
"0xB11EB62DD2B352886A4530A9106fE427844D515f" , "validatorWalletCreator" :  
"0xEb9885B6c0e117D339F47585cC06a2765AaE2E0b" } , "tokenBridgeContracts" :
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{ "I2Contracts" :
{ "customGateway" :
"0x4D8886F6821B6A3Ce406dE060528E4740716ccC5" , "multicall" :
"0xce1CAAd780c529e66e3aa6D952a1ED9A6447791c1" , "proxyAdmin" :
"0x099260663bf88217542828d93f3230B77A063553" , "router" :
"0xe77FC7239E4bd6C3955567Cd2125fcAC224d7DcD" , "standardGateway" :
"0x856A11daFE1EEC4313cFa4aFc80dE18Da831a4ff" , "weth" :
"0x980B62Da83eFf3D4576C647993b0c1D7faf17c73" , "wethGateway" :
"0x2eD227c1a87A5D840BAde89Da2106599E753f463" }, "I3Contracts" :
{ "customGateway" :
"0x4a1cC3604ba15a3052a58404c8BEf9F1a1A316B9" , "multicall" :
"0x191E4e165826720fD775de35295B9C1B3FE8725f" , "proxyAdmin" :
"0xa154Bc924788a895dAED565FCD92f5bF51dA51b6" , "router" :
"0x903c726bFD645CC983c81ec2665e3Cadfe7fB53f" , "standardGateway" :
"0xCc00702898518587Cb8073B92984Ee1ae018a6Af" , "weth" :
"0x3D89912bBF51CECbA181E7F8DB40706A1299962e" , "wethGateway" :

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"0x78B7Be858bC7906e60ef64Fd3383b5175Fbac9dF" } } } 1. 4. 2. Next, start bridging your Sepolia Testnet ETH to Arbitrum Sepolia Testnet. It will take ~1min for the deposit to arrive on Arbitrum Sepolia Testnet. You can obtain Sepolia Testnet ETH from public faucets like <https://sepoliafaucet.com/> or <https://www.sepoliafaucet.io/> . Bridging Sepolia Testnet ETH to Arbitrum Sepolia Testnet 1. 5. 2. Last but not least, bridge your Arbitrum Sepolia Testnet ETH to Discovery Testnet. It will take ~1min for the deposit to arrive on Discovery Testnet. After which, you can using your Discovery Testnet ETH on the network. Bridging Arbitrum Sepolia Testnet ETH to Discovery Testnet [Public Testnets -Previous Nitrogen \(Orbit Celestia\) Testnet Next- Public Testnets MACH Alpha for inEVM](#) Last modified 1mo ago On this page Overview Discovery Testnet info Short Guide