

Using RedStone oracles

By the end of this tutorial you will understand how to intergrate your dApp built on Celo with RedStone oracles.

This document will cover:

- What is RedStone?
- How to use RedStone?
- Examples

What is RedStone?

RedStone is a data ecosystem that delivers fast and accurate financial information in a decentralised fashion using an innovative approach of on-demand data fetching.

RedStone offers a radically different design of Oracles catering for the needs of modern Defi protocols.

- Leverage Arweave blockchain as a cheap and permanent storage
- Use token incentives to motivate data providers to maintain data integrity and the uninterrupted service
- Use signed meta-transactions to deliver prices on-chain
- Although the data at RedStone is persisted on the Arweave chain, it could be used with any other blockchain

You can read much more about the RedStone protocol [in the RedStone compiled documentation](#).

What data is available

Thanks to our innovative architecture, we offer more than one thousand of pricing data feeds, including tokens, stocks, ETFs, commodities, and much more for a fraction of regular Oracles integration costs.

You can check available assets and data providers using app.redstone.finance.

How to use RedStone?

IMPORTANT : RedStone contracts are still undergoing security audit and we are working on the infrastructure security improvements. So, before using RedStone oracles in production dApps, please reach out to us [on Discord](#). We will be happy to help you with the integration and will set up a new pool of data provider nodes if there is a need.

Please read this [short documentation](#) to learn how to integrate your dApp with RedStone oracles.

Note: currently RedStone is integrated only with ethers.js library, so in order to use it on Celo blockchain dApps you should use [ethers.js](#) along with [@celo-tools/celo-ethers-wrapper](#).

Code examples

- [Repo with examples](#)
- [Generating pseudo-random values](#)
- [Example with multiple contracts](#)
- [Synthetic commodities dApp on Celo](#)

♂ Need help?

Please feel free to contact RedStone team [on Discord](#) if you have any questions. [Edit this page](#) [Previous](#) [Using Band Protocol](#) [Next](#) [Running Oracles](#)