

# Band Protocol Documentation

## Introduction

Band Protocol is a cross-chain data oracle platform with the aspiration to build high-quality suites of web3 development products. We provides reliable, secure, and real-time data to smart contracts on various blockchain networks. It was designed to address the growing demand for accurate and timely data for blockchain-based applications.

This documentation provides a comprehensive guide to the BandChain protocol, including its architecture, functionalities, client libraries, and tools. It also covers the best practices and use cases for integrating BandChain into your blockchain applications.

## Getting Started

Get familiar with BandChain and explore its main concepts.

[#### Introduction to BandChain](#) High-level overview of the BandChain [#### Core Concepts](#) Learn about the core concepts of BandChain, including tokenomics, gas and fees, and more. [#### Products](#) Learn about the products that BandChain offers, including the Standard Dataset and VRF, and more. [#### Developer Guides](#) Learn how to use Band's integration tools to integrate Band's oracle data into your applications. [#### Node & Validators](#) Learn how to run a BandChain node and become a validator to earn rewards.

## Development Stack

Check out the docs for the various parts of BandChain's core technical stack.

[#### Cosmos SDK](#) The blockchain framework powering BandChain [#### WebAssembly](#) The standard underpinning BandChain's data oracle script [#### ReScript](#) The core language of ourCosmoScan block explorer

## Help & Support

Get in touch with Band Protocol devs and our community.

[#### Devloper Discord](#) Chat with Band Protocol Developers on Discord. [#### Telegram Group](#) Join our Telegram group to get support from our team. [#### Found an Issue?](#) Help us improve this page by suggesting edits on GitHub. [Next High-Level Overview](#)