

stellar

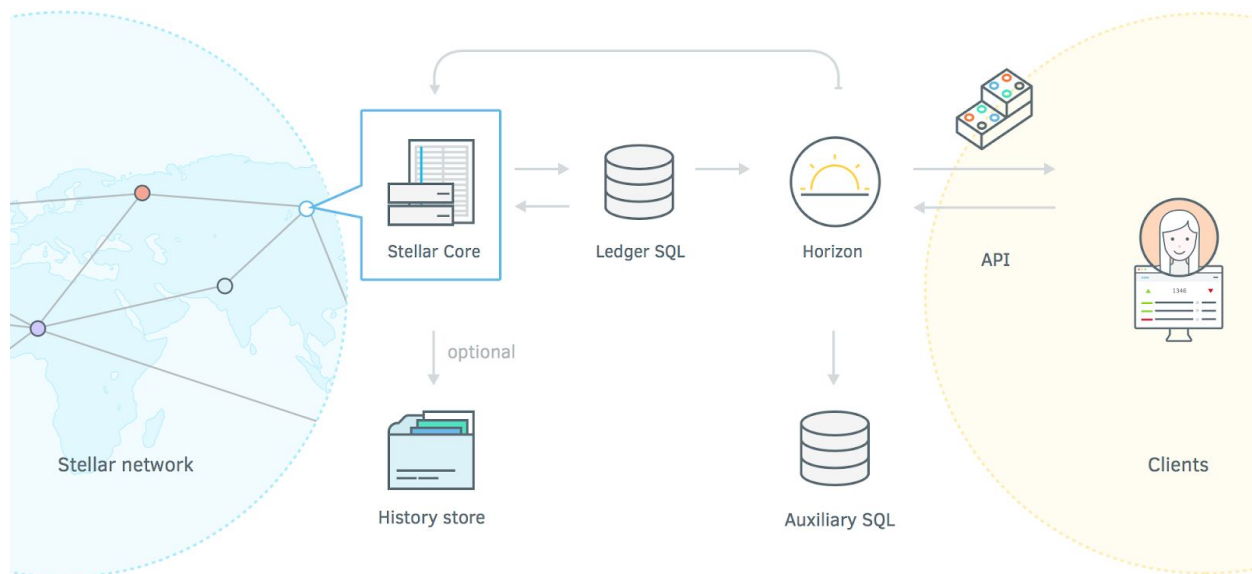
Hackathon Starter Pack

What is this?

This is your Stellar hackathon toolkit. We've curated a list of key documentation and resources we think will be helpful to get you started working with the Stellar platform. Just the information you need to get developers up and hacking with Stellar - in no time.

Architecture Overview

The Stellar ecosystem is anchored by stellar-core (the protocol) and horizon, the client facing HTTP API that interacts with stellar-core. Read more [here](#).



The Protocol

[stellar-core](#) is the backbone of the Stellar network. It maintains a local copy of the ledger, and communicates and syncs with other instances of stellar-core on the network. Optionally, stellar-core can store historical records of the ledger and participate in consensus.

Learn more by reading the [overview of stellar-core](#).

The API

[horizon](#) is the client facing HTTP API server for the Stellar ecosystem.

Horizon provides three significant portions of functionality: The Transactions API, the History API, and the Trading API. Learn more by exploring the [documentation for these endpoints](#).

The Servers

In addition to Stellar Core and Horizon, Stellar.org has built three optional tools that can be used for interacting with transactions on the Stellar network.

- [Bridge Server](#) - simplifies use of federation and compliance servers for payments
- [Compliance Server](#) - simplifies use of Compliance Protocol, which standardizes KYC / AML info
- [Federation Server](#) - turn human readable addresses to database account IDs

Language Integration

Stellar.org maintains base and client libraries all based on our REST API.

- [REST API](#)
- [Javascript SDK](#)
- [Go SDK](#)
- [Java SDK](#)
- [Ruby SDK](#)

Additional SDKs and Libraries for other languages (C++, .NET, etc.) have been created by our amazing community - [find out more here](#).

Testnet

[testnet](#) is an implementation of the Stellar network for risk-free development and testing. Accounts can be created and funded using Stellar Laboratory.

Stellar Laboratory

[Stellar Laboratory](#) is an interactive tool to learn how the Stellar API works. You can use Stellar Laboratory to build and test transactions on testnet as well as submit real transactions to pubnet, the live Stellar network.

Additional Tools

- [Network Dashboard](#) - live view of transaction in both the test and production networks.
- [Account Viewer](#) - Check your balance and send simple payments.
- [StellarTerm](#) - Client application for trading in the Stellar DEX (decentralized exchange)
- [Compliance Protocol Testing app](#)

Useful Tutorials

- [How to create a custom asset](#)
- [Stellar Smart Contracts \(SSCs\)](#)
- [How to set up an exchange](#)