

# Indium

A zero-cost, low-latency cryptocurrency with safe smart contracts

<http://indium.org.in/>



**How many activities are you able to do? :-)**



**Latency / Txn Cost**

**Permission-less**

**Tamper-resistance**

**Permissioned**

**?**



## Why?

- We believe that **permissioned blockchains** run by independent NGOs offer the perfect balance of trust and performance. This can enable many use-cases like micropayments which are not feasible with Bitcoin or Ethereum.
- Our goal is to be more inclusive, transparent and trustworthy network than Indian banking system.

## How?

- Indium is a divisible asset running on **Interplanetary Database** which uses a scalable, permissioned blockchain database **BigChainDB**. This enables low-cost and low-latency transactions while reducing the risks of other permissioned blockchains.
- IPDB supports minimal, deterministic and hence, safe smart contracts using IETF's **Cryptoconditions** standard. These smart contracts are much safer than Ethereum which has a Turing-complete computation model.
- We are also building tools making use of Indium coins. These include:
  1. A public tipping bot service that integrates well in Slack / Twitter / Reddit / Facebook communities. Alpha version is available for you to add to your Slack teams [here](#).
  2. Fund-raising app for NGOs using Indium coins
  3. An Indium-based Q & A app (like StackOverflow or 21.co)
  4. Micro-task marketplace (like Fiverr)
  5. OpenBazaar integration

## Governance

- We plan to form a non-profit foundation on the lines of Ethereum Foundation to govern the development and advocacy.

# Meet BigchainDB. The scalable blockchain database.

[Get Started](#)

A new kind of database:  
everywhere, for everyone.

GET EARLY ACCESS



A planetary-scale blockchain database demands new answers  
to old questions.



[[Docs](#)] [[txt](#)|[pdf](#)|[xml](#)|[html](#)] [[Tracker](#)] [[Email](#)] [[Diff1](#)] [[Diff2](#)] [[Nits](#)]

Versions: [00](#) [01](#) [02](#) [03](#)

Network Working Group

Internet-Draft

Intended status: Standards Track

Expires: April 27, 2017

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## **Crypto-Conditions**

### **draft-thomas-crypto-conditions-01**

## Abstract

Crypto-conditions provide a mechanism to describe a signed message such that multiple actors in a distributed system can all verify the same signed message and agree on whether it matches the description. This provides a useful primitive for event-based systems that are distributed on the Internet since we can describe events in a standard deterministic manner (represented by signed messages) and therefore define generic authenticated event handlers.





# Interledger

The protocol for connecting **stock**

Try It Out

Register for the Interledger meetups in **San Francisco** and **Singapore** or a possible workshop in **Tokyo**

Interledger is an open protocol suite for sending payments across different *ledgers*. Like routers on the Internet, *connectors* route packets of money across independent payment networks. The open architecture and minimal protocol enable interoperability for any value transfer system. Interledger is not tied to any one company, blockchain, or currency. Interested in connecting ledgers, building with micropayments or getting involved in the protocol development? Join the **Interledger W3C Community Group**!



## Code With Money

Add payments without being tied to a single currency or payment provider.



## Multi-Hop Routing

Send payments to other ledgers, even if they are multiple hops away.



## Simple Protocol

Inspired by TCP/IP, Interledger is easy to implement and use.



**nilesh** 5:47 AM

@indiumtestingbot pay @cssbubble 5



**indiumtestingbot** APP 5:47 AM

You have transferred 5 coins to @cssbubble successfully. Your new balance is 95.



**nilesh** 12:08 AM

whoami



**indiumtestingbot** APP 12:08 AM

Your User name: @nilesh, IPDB Address: AYWe84gPxx8pwGm2FsbZhZTDtKi98fHLk7mJWbjbr12f. Account is VALID



**nilesh** 12:10 AM

balance



**indiumtestingbot** APP 12:10 AM

@nilesh Your wallet balance is: 0.

## Community drivers



Ruby (CLI wrapper)

bigchaindb-ruby-client



Ruby

bigchaindb\_ruby



Haskell

bigchaindb-hs



**BigchainDB**

@BigchainDB

Following



Thanks to @nileshtrivedi for creating a #rubydriver for BigchainDB 🙌 Look out for some swag coming your way!  
[bit.ly/2wCw3gS](https://bit.ly/2wCw3gS)



**Thank You**