Labs Chengdu Chain

Smart Cities Are Building on Casper

How Casper Labs Created an Open Permission Based Blockchain Network for the City of Chengdu, China

Bold Ambition

The vision of China's Blockchain-Based Services Network (BSN) is to bring low-cost, efficient and flexible blockchain development environments to government departments, businesses and developers. BSN asked Casper Labs to create an adaptation of Casper that would meet very specific local needs.

"We are excited to bring the Casper Network into the Chinese market as a permissioned chain. Developers and companies will soon be able to access Casper technology through BSN to deploy their applications. We will also initiate a trilateral partnership between Chengdu City, BSN and the Casper team to set the stage for Chengdu chain for business opportunities in China." **– Yifan He, CEO, Red Date Technology and Director, BSN Development Association**

Challenges

- How to deliver a special deployment of the Casper blockchain, capable of meeting local regulatory needs and powering the city of Chengdu?
- How to enable quick and easy developer onboarding and development of apps on the protocol?
- How to deploy a local and experienced Professional Services team in China, to complete the project in a matter of weeks?

How We Helped

Casper Labs provided local advisory and development support for our client to go live on Casper, so that applications would be easy to build on the protocol and specific local regulatory requirements would be met. We also created a special fork of Casper that met the custom requirements of this Open Permission Based project.

Why Casper Labs?

The Casper blockchain is built for private and hybrid deployments, so our clients get the security of the public Casper chain and the flexible environments they need. Casper's highly configurable properties and modular architecture enabled creation of this special deployment in a matter of a few weeks. A majority of the client's requirements were met simply by adjusting configuration options in the node software.