LF DECENTRALIZED TRUST

Linux Foundation Decentralized Trust

Brazil ebook

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Introduction

In 2024, the Linux Foundation launched LF Decentralized Trust (incorporating the Hyperledger ecosystem along with new and existing projects) in response to the global pace of innovation and adoption of critical decentralized technologies. Our growing community is at the center of advancing these technologies and the applications and networks they power.

Building a trusted, decentralized world together

At the heart of everything we do stands a commitment to open source principles: open development, open governance, and global collaboration. These principles are the foundation for building the infrastructure of a trusted, decentralized world.

Brazil at the forefront of decentralized innovation

Brazil has emerged as one of the most active and forward-looking centers of blockchain and decentralized technology adoption in the world. With strong public-sector leadership, a vibrant private-sector innovation landscape, and a rapidly maturing developer ecosystem, Brazil is demonstrating how decentralized trust technologies can be deployed at a national scale to solve real-world challenges.

Brazil continues to set the pace for applied innovation across Latin America. The country's commitment to open collaboration and interoperability is shaping models that other regions are now studying and adapting.

A chapter and community driving national impact

The LF Decentralized Trust Brazil Chapter has been pivotal in uniting government, industry, and academia to create an ecosystem that accelerates adoption, builds technical expertise, and supports production-grade implementations across Brazil.

"The Brazil Chapter is one of our most vibrant and impactful regional communities. With a deep commitment to local engagement, education, and open collaboration, it has become a powerful engine for decentralized innovation. From convening major national events to advancing open source expertise through initiatives like the Besu Hub, the Chapter exemplifies the strength of Brazil's ecosystem. We are proud to support this community as it continues shaping globally influential, production-grade digital trust technologies."

Daniela Barbosa
General Manager of Decentralized Technologies at the Linux Foundation and Executive Director of LF Decentralized Trust

What is LF Decentralized Trust?

LFDECENTRALIZED TRUST

What is LF Decentralized Trust?

LF Decentralized Trust is the premier open source foundation for decentralized technology ecosystems. Powered by a diverse and global community, LF Decentralized Trust serves as the neutral home for collaborative development of technologies powering the transition to a digital-first economy.

Decentralized technologies are quickly reshaping markets and disrupting traditional business models and systems. They are modernizing the core infrastructure for finance, trade, government, healthcare, and more, and changing forever how we interact, transact, and trust.

Our role is to foster the open development of the technologies that put trust at the center of decentralized systems and applications.

We do this by hosting open source codebases as projects under the proven model of the Linux Foundation, home to many of the world's most important open technology projects and ecosystems.

Watch the introduction →

These projects are conceived and built by the developer community as freely available software that vendors, end-user organizations, service providers, start-ups, academics, and others can use to build and deploy decentralized applications and commercial solutions.

Open Source Development

Open source development is inherently transparent, making it ideal for decentralized technologies. It unites organizations and individuals with diverse needs to collaboratively create shared solutions, forming a strong foundation for mutual success, much like decentralized technologies themselves.

Fostering Innovation and Impact in Brazil

LF Decentralized Trust's Brazil community has made major contributions to projects like BNDES' Rede Blockchain Brasil, bConnect and bCadastros, Banco Central do Brasil's Drex pilot, and more.

These projects showcase the immense potential of decentralized technologies to transform industries, including finance, public services, and supply chain.

This work is anchored by LF Decentralized Trust (LFDT) members in Brazil, including:

- **Banco Central do Brasil** — leading globally recognized digital-asset and tokenization pilots, supported by LFDT-certified service providers and contributors
- **BNDES** — architecting tokenization models and modernizing public financial infrastructure
- **BrBPO** — supporting enterprise deployment and operational excellence for blockchain systems
- **CPQD** — driving major R&D initiatives in digital identity, privacy, interoperability, and Web3 infrastructure
- **Cheesecake Labs** — building high-quality digital products that bring decentralized applications to life
- **GoLedger** — delivering open source infrastructure, identity solutions, and production-ready platforms
- **Rayls Foundation** — advancing research, standards, and next-generation trust frameworks
- **Serpro** — leading national digital-services innovation and pioneering government blockchain adoption
- **Valor Capital** — investing in and strengthening Brazil's innovation and Web3 startup ecosystem

Together, these organizations, and the Brazil Chapter that unites them, are shaping one of the world's most dynamic decentralized trust ecosystems, demonstrating how open collaboration can drive national-level impact and global leadership.

We are proud to work with and support our Brazil Chapter's and members' efforts to create a platform for collaboration, mentoring, and technical growth. We are committed to fostering local innovation with global impact.

Together, we are building a more trusted, open, and decentralized world.

Brazil's Leadership in Decentralized Trust | Download the Full Ebook

lfdecentralizedtrust.org/brazil-ebook

LF Decentralized Trust Projects

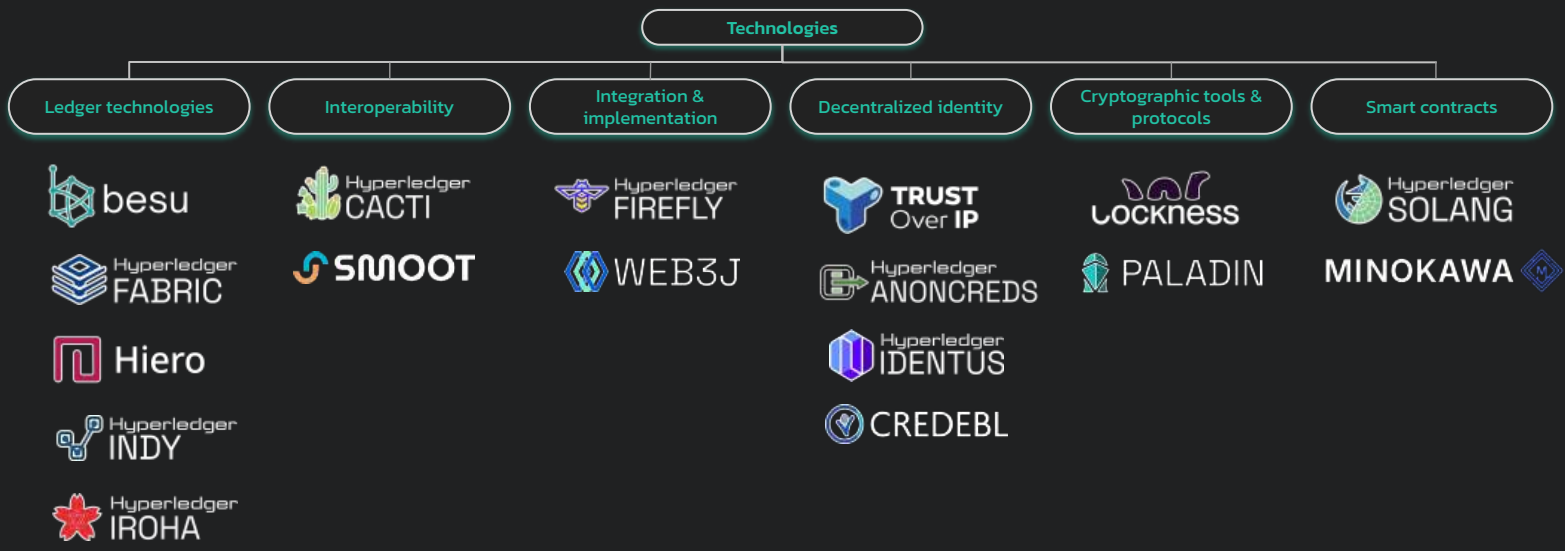
LF Decentralized Trust projects power leading enterprise solutions, and they are all open source and community driven. Our projects are advancing technologies in areas including ledger, interoperability, integration and implementation, decentralized identity, and cryptographic tools and protocols.

A "project" refers to a collaborative effort aimed at achieving a specific goal. Each project has a unique name, developer community, and objectives. The Project Lifecycle consists of six possible states between Incubating and Graduated.

Graduated projects like Besu and Hyperledger Fabric form the cornerstones of our ecosystem. As our projects continue to mature, they drive real-world adoption and prove their value as essential tools for distributed ledger technology solutions across industries.

We continue to welcome new projects at the forefront of innovation in digital trust to LF Decentralized Trust and drive advancements in key areas such as identity, governance, key management, and developer tools.

LF Decentralized Trust Labs provides a space, that is, GitHub repositories, where work can easily start without the creation of a project and plays a critical role in fostering innovation and experimentation. As an incubator for early-stage ideas, Labs provides a safe, collaborative environment to explore emerging technologies, validate concepts, and lay the groundwork for advancements in decentralized trust.



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BRAZIL CHAPTER

The LFDT Brazil Chapter, founded in 2019, was created to strengthen the Brazilian community, encourage contributions to open source projects, offer a platform for collaboration, and produce content in Portuguese. It was also established to connect Brazil with other Portuguese-speaking communities around the world. In other words, the chapter serves as a bridge between global blockchain initiatives and the local reality, fostering innovation and knowledge sharing in an open and neutral way.

One of the chapter's main areas of activity is community engagement, which is achieved through online and in-person meetups to discuss blockchain use cases and new developments. In addition to these events, the Brazil Chapter hosts monthly open meetings to align activities, exchange experiences, and involve new participants. These regular meetings, together with social media publications, enable anyone interested to engage with the community on an ongoing basis.

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BRAZIL CHAPTER

The Besu Hub was born as a volunteer initiative aimed at preparing community members for the official Besu Certification, Besu Certified Practitioner, through a collective learning approach. Participants with different levels of experience come together to study topics related to the Besu protocol, share materials and tips, and learn collaboratively. The Besu Hub's activities include regular online study sessions focused on topics from the Besu curriculum, following a structured schedule.

In addition, the Brazilian community connects with other LFDT learning resources, such as webinars, workshops, and courses offered in partnership with the Linux Foundation. The chapter actively promotes training opportunities and LFDT mentorship programs, encouraging more Brazilians to build skills and give back to the projects.

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BRAZIL CHAPTER

The LFDT Brazil Chapter has a strong community presence across the country, with over 5,000 members engaged in local meetup groups. This distributed network reflects the diversity and scale of the Brazilian community, reinforcing our role as an inclusive and open ecosystem while promoting collaboration and networking opportunities nationwide.

Participation in events is another key pillar of the Brazil Chapter's community activities. The chapter has organized Hyperledger Day 2023, Hyperledger Day 2024, and, more recently, LFDT Day 2025 at Blockchain Rio. The day features sessions and expert panels dedicated to discussing trends and success stories involving open technologies and decentralized trust. The panels hosted by the chapter have brought together major public and private companies, startups, researchers, and members of the global LFDT community, highlighting the synergy between the local community and the international distributed ledger technology ecosystem.

Community and Collaboration with LF Decentralized Trust

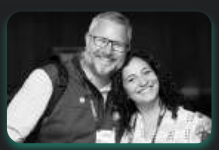
The LF Decentralized Trust community, including our many community members in Brazil, drives the advocacy, development, and deployment of decentralized technologies.

The LF Decentralized Trust team closely tracks initiatives and projects leveraging these technologies. Learn more about deployments and advancements here:

- Case studies
- Use case tracker
- Member webinars

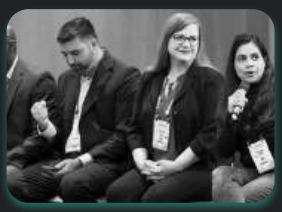
There are many ways you can get involved:

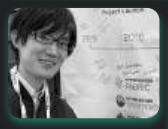
- Become a member. LF Decentralized Trust members are leaders and stewards of the technologies ensuring the resilience, security, and longevity of critical systems. Learn more about membership.
- Download and learn more about our Projects.
- Participate in our open communities. See the Community Calendar.
- Deep dive into projects with training and certifications.
- Attend LFDT events and webinars.



Community driven

Get started today ➤





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Certified Service Providers and Training Partners

The LF Decentralized Trust Certified Service Provider (CSP) program is a pre-qualified tier of vetted service providers that have deep experience helping enterprises successfully adopt LF Decentralized Trust technologies.

CSP partners offer LF Decentralized Trust project support, consulting, professional services, and training for organizations embarking on their development and deployment journeys.

The CSP program ensures that enterprises get the support they are looking for to roll out new applications quickly and efficiently and feel secure that there is a trusted and vetted partner available to support their production and operational needs.

LF Decentralized Trust CSPs in Brazil include: BrBPO, Cheesecake Labs, CPQD, and GoLedger.

LF Decentralized Trust Training Partners offer instructor-led classes and custom workshops featuring LF Decentralized Trust technologies to help meet the growing need for professionals with decentralized technology skills.

Linux Foundation Education, in collaboration with LF Decentralized Trust, offers free introductory courses on decentralized systems and identity solutions.

For those ready to advance, there are paid, self-paced training and performance-based certification exams, including specialized courses on technologies like Besu and Hyperledger Fabric.

Visit CSPs ➤

Visit training partners ➤

LF Decentralized Trust Brazil Members

Regional Focus. Global Services.

LF DECENTRALIZED TRUST

LF DECENTRALIZED TRUST
ASSOCIATE MEMBER

Since: 2018

With nearly five decades of experience, CPQD drives technological evolution, digital transformation, and the sustainable development of Brazilian society. It is a leading player in Connectivity, AI, Security, and Privacy and serves as a strategic partner across various sectors, offering cutting-edge solutions to enhance security, operational efficiency, and the customer experience.

A pioneer in blockchain since 2016, CPQD focuses on creating decentralized trust infrastructures and frameworks for interoperability within public and private ecosystems, encompassing blockchain networks, digital identity, and privacy-preserving technologies.

CPQD developed one of the first decentralized digital identity solutions in Latin America, enabling secure interactions among citizens, companies, and governments. As an active contributor to Linux Foundation Decentralized Trust, it advances open technologies. Through applied research and partnerships, it supports the adoption of blockchain and digital identity technologies, building the future of the decentralized ecosystem.

"Our extensive expertise, spanning AI, Connectivity, Security, and Privacy, and, more specifically, blockchain and decentralized digital identity, is the foundation that positions us at the forefront of building a global trust infrastructure. We are pioneers in DID across Latin America and active contributors to LF Decentralized Trust. We reinforced this role by becoming a Hyperledger Besu Certified Service Provider, ensuring security, transparency, and open solutions. This is Brazil driving the future of decentralized ecosystems."

Sebastião Sahão Júnior
CEO, CPQD

LF DECENTRALIZED TRUST
CERTIFIED SERVICE PROVIDER

LFDECENTRALIZED TRUST
ASSOCIATE MEMBER

Since: 2018

Within Brazil's digital trust ecosystem, CPQD advances enterprise-scale adoption of open, interoperable technologies, focusing on decentralized identifiers (DIDs) and verifiable credentials.

Our iD platform, interoperable with Besu and Ethereum networks—is live at one of Brazil's top three banks. It uses verifiable credentials and a mobile digital wallet across the customer journey. The implementation improves the digital experience by enabling secure, privacy-preserving data reuse and eliminating repetitive identity-verification steps, while also exploring a business model based on credential monetization.

The same decentralized identity stack was deployed in the Digital Identity Ecosystem for Retail, developed with ClearSale, a leading anti-fraud company. This initiative aims to reduce fraud and streamline the online purchase process for consumers. This robust integration capability showcases CPQD's readiness for high-demand, high-assurance decentralized financial environments.

Furthermore, CPQD serves as the technology partner for the Brazilian Blockchain Network (RBB), providing infrastructure and expertise in DIDs, security, and interoperability.

Open Collaboration in Action: Hear directly from Andreza Lona

GoLedger

LF DECENTRALIZED TRUST
GENERAL MEMBER

Since: 2023

GoLedger is a leading software development company specializing in enterprise-grade blockchain solutions for regulated environments. With deep expertise in permissioned blockchain frameworks, GoLedger delivers secure, scalable, and interoperable systems that drive digital trust and innovation.

Founded in 2017 in Brazil, GoLedger has the mission of enabling digital transformation through blockchain innovation, empowering collaboration between government and private sectors.

GoLedger's products include GoChain, a Hyperledger Fabric and private Ethereum blockchain orchestrator. The company also maintains CC-Tools, an open source smart contract library under LF Decentralized Trust Labs.

Recognized as an LF Decentralized Trust Certified Service Provider, GoLedger works with major organizations such as CAIXA, Petrobras, Banco do Brasil, and Eletrobras.

From financial tokenization to digital identity and compliance, GoLedger continues to lead Brazil's enterprise blockchain ecosystem with a strong commitment to security, transparency, and interoperability.

"GoLedger transforms how institutions and citizens build digital trust through secure, interoperable, and transparent blockchain infrastructure.
Our mission is to enable digital sovereignty across governments, enterprises, and financial institutions, ensuring every transaction, identity, and asset is verifiable and privacy-preserving.
As a Certified Service Provider under LFDT and maintainer of the LFDT Lab CC-Tools, GoLedger drives blockchain innovation for financial tokenization, energy traceability, and digital identity, shaping a trust-based digital economy."

Marcos Sarres
CEO, GoLedger

LF DECENTRALIZED TRUST
CERTIFIED SERVICE PROVIDER

GoLedger

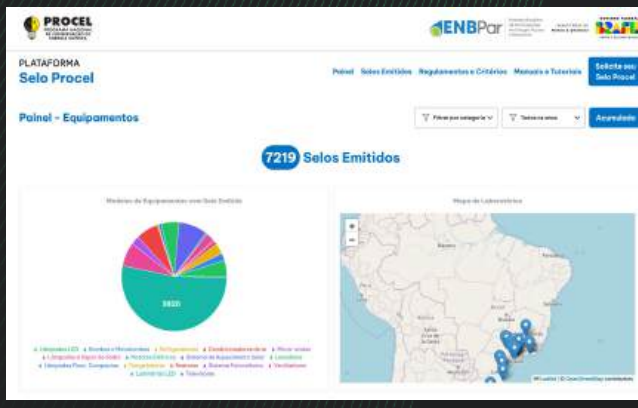
LFDECENTRALIZED TRUST
GENERAL MEMBER

Since: 2023

DEPLOYMENTS

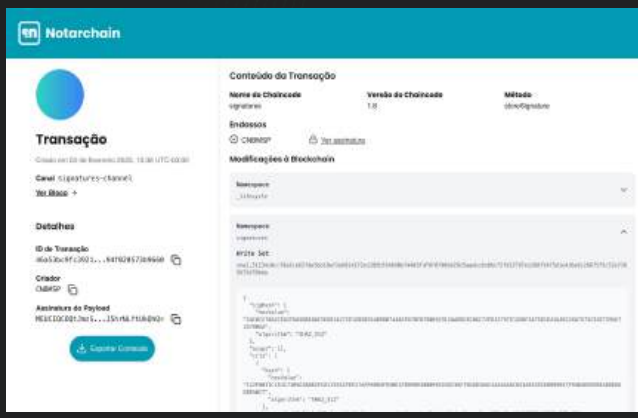
Energy (Eletrobras/ENBPar)

In the energy sector, Eletrobras/ENBPar revolutionized the granting of the Procel Seal for energy savings. The blockchain solution built on Hyperledger Fabric orchestrates the entire certification lifecycle, replacing manual workflows with an auditable platform that ensures total traceability. Utilizing cryptographic records and QR codes, it eliminates counterfeiting and drastically accelerates technical analysis, delivering immediate transparency and unquestionable confidence for consumers and manufacturers committed to efficiency.



Notarial Services (Colégio Notarial do Brasil)

The Notary College of Brazil (CNB) leverages the Notarchain network, based on Hyperledger Fabric, to underpin the e-Notariado ecosystem and the Smart Escritura tool. By establishing notaries as validator nodes, the system ensures consensus and immutability, effectively shielding documents against fraud and unauthorized alterations. Adoption is substantial: digital acts surged from 1% to over 40% of the national total, providing full legal certainty within the virtual environment.



Member webinar: Enabling Enterprise Blockchain with GoChain
Member webinar: Leveraging Hyperledger Fabric for Biomethane Certification

BNDES

LFDECENTRALIZED TRUST
ASSOCIATE MEMBER

Since: 2024

The Brazilian Blockchain Network (RBB) is a public-permissioned blockchain designed to enable public-interest applications. The network combines the Besu architecture with decentralized, preferably on-chain, governance, allowing Brazilian institutions to build trustworthy, auditable, and interoperable solutions with lower costs and greater transparency.

Initially inspired by LACChain and similar initiatives, RBB is open for public reading and auditing, ensuring transparency and trust, but requires permission to submit transactions, ensuring accountability, and to participate in consensus.

Launched by the National Bank for Economic and Social Development (BNDES) and the Federal Court of Accounts (TCU), it includes participants from federal, state, and municipal levels across executive and legislative branches (and is open to the judiciary), as well as universities, research centers, and civil society organizations. This institutional diversity mirrors the decentralization of public blockchains, granting RBB a distinctive form of trustless trust.

"RBB was created to help (re)build citizens' trust in public administration, enabling anti-fraud and pro-transparency applications. With its decentralized nature, formed by organizations from diverse sectors and levels of government and with no central authority, RBB is inherently diverse and reliable. Its evolution is organic and innovative, positioning it as one of the world's most prominent governmental blockchain networks."

João Alexandre dos Santos Lopes
Gerente de projetos, BNDES

BNDES

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ASSOCIATE MEMBER

Since: 2024

DEPLOYMENTS

The first use case operating on Rede Blockchain Brasil is a decentralized identity and verifiable credentials application developed by CPQD. Such solutions have a broad range of uses, and RBB's role is to provide a shared foundation for issuers and credential types, reducing fragmentation and enabling interoperability among credentials, issuers, wallets, and verifiers. The immutability of blockchain serves as a crucial anchor to ensure the validity and integrity of credentials.

Digital Check, developed by Serpro, is a platform that leverages RBB for recording and verifying information, starting with educational records following the Open Badge 2.1 standard. It also supports PDF documents and ERC-20 and ERC-721 tokens. The platform is available to corporate clients identified via e-CNPJ and operated by authorized users authenticated through gov.br. Verification is free and requires no authentication.

Member webinar: A Public Permissioned Blockchain for Public Value and Trust

Member case study: Establishing a New Foundation for Trust: How Besu Helps Governments Meet Citizen Needs While Rebuilding Credibility

BANCO CENTRAL DO BRASIL

LF DECENTRALIZED TRUST
ASSOCIATE MEMBER

Since: 2024

"Piloto Drex," announced in June 2023, aimed to improve financial market efficiency and inclusion by enabling regulated intermediaries to offer tokenized services. Drex was initially envisioned as a retail-facing initiative to support new financial products and broaden access.

DREX

Built on Besu, it was structured around three layers, registration, settlement, and transaction protocols, using smart contracts to automate issuance, redemption, transfers, and atomic DvP settlement to the end-customer level. Overdrafts were prohibited, and asset fractionalization tested potential DLT benefits, including programmable payments and automated settlement.

Phase 1 tested Drex's technical architecture, asset tokenization, privacy approaches, and DvP settlement with 16 consortia selected from over 100 applicants. Phase 2, launched in late 2024, expanded participation and explored advanced use cases such as trade finance and real estate tokenization. These phases validated several concepts but also revealed significant challenges.

Privacy emerged as a key constraint. The BCB evaluated multiple approaches, including zero-knowledge proofs, but raised concerns about maturity, security, and operational risk. Other options were dismissed due to complexity or centralization trade-offs, limiting the feasibility of a public, retail-scale DLT deployment.

The Banco Central do Brasil ultimately moved away from a DLT-based architecture, and subsequent phases prioritized practicality, infrastructure integration, and policy objectives over broad platform deployment. However, Drex produced valuable insights and brought the financial ecosystem together in unprecedented ways.

Please visit Kaleido for more information on blockchain-based CBDC architectures.

SERPRO

SERPRO is Brazil's Federal Data Processing Service under the Ministry of Finance. It is one of the world's largest public IT companies. Established in 1964 to modernize public administration, it structures key government systems and delivers solutions in data management, digital identity, cybersecurity, interoperability, and sovereign cloud services. A pioneer in blockchain, SERPRO uses Hyperledger Fabric, Besu, and Aries to build secure data exchange, smart contract, and decentralized identity solutions, enhancing transparency, traceability, and security across public-private interactions. In September 2024, SERPRO joined Linux Foundation Decentralized Trust as an associate member and has actively contributed to LFDT Brazil Chapter activities, including code improvements to open source frameworks.

"Serpro has adopted blockchain technologies as a strategic pillar for the modernization of Brazil's digital government services, fostering greater trust, transparency, and data integrity. These initiatives strengthen essential citizen services such as digital identity, authentication, data validation, interoperability among government agencies, and fraud prevention. Integrated with other core digital government technologies, blockchain contributes to administrative efficiency, technological sovereignty, and the reliability of critical public administration systems, enhancing the quality and security of services delivered to citizens."

Wilton Itaiguara Gonçalves Mota
Diretor-Presidente, DP, SERPRO

SERPRO

LFDECENTRALIZED TRUST
ASSOCIATE MEMBER

Since: 2024

DEPLOYMENTS

Among SERPRO's key initiatives is bCadastros, which securely enables data sharing across public agencies for registries such as CPF (individual taxpayers), CNPJ (legal entities), CNO (construction works), and CAEPF (individual economic activities).

In February 2026, the Brazilian government mandated the use of blockchain in issuing the new national ID (Carteira de Identidade Nacional). bCadastros will be used to record and track every step of the issuance process nationwide, ensuring uniqueness, traceability, and fraud prevention while enabling tamper-resistant and interoperable identity services across federal and state authorities.

Another initiative, b-Connect, uses Hyperledger Fabric to exchange information on Authorized Economic Operators (AEOs) among Mercosur customs authorities, strengthening trust and international cooperation through immutable records.

Currently in testing, Digital Check supports the issuance and validation of digital credentials integrated with Gov.br. The CIN, developed with the federal government, centralizes Brazil's new digital identity based on ICP-Brasil. In parallel, SERPRO is developing decentralized identity projects using Hyperledger Aries, enabling verifiable credentials and interoperable wallets with selective disclosure, user control, and international interoperability.

b-Cadastros
Cadastro Compartilhado da Receita Federal

Cheesecake Labs

LF DECENTRALIZED TRUST
GENERAL MEMBER

Since: 2024

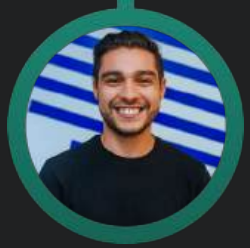
Cheesecake Labs is a software consultancy, design, and engineering company trusted by innovative Fortune 500 companies and fast-growing U.S. startups. With over a decade of experience and more than 300 digital products delivered, the company builds secure, scalable Web2 and Web3 applications.

The company specializes in asset tokenization, smart contracts, decentralized finance (DeFi), digital wallets, and blockchain consulting and development, helping organizations integrate decentralized technologies with enterprise-grade reliability.

As an active member of LF Decentralized Trust, Cheesecake Labs contributes to open source interoperability and blockchain projects, most notably by developing the Stellar Connector for Hyperledger Cacti, bridging public and permissioned blockchain networks.

"At Cheesecake Labs, we believe digital trust emerges from open collaboration and interoperability across ecosystems. Our contribution to the Stellar Connector for Hyperledger Cacti reflects our commitment to building solutions that combine technology, purpose, and global impact."

Douglas Silva
Chief Technology Officer, Cheesecake Labs



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CERTIFIED SERVICE PROVIDER

Cheesecake Labs

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GENERAL MEMBER

Since: 2024

DEPLOYMENTS

The Hyperledger Cacti Stellar Connector is a plug-in "translator" that enables Cacti to interact with the Stellar network, including Soroban smart contracts, in the same standardized way it interacts with other ledgers such as Besu. In a Stellar↔Besu interoperability flow, the Stellar connector handles Stellar-specific operations, creating and signing transactions, invoking Soroban contract methods, and reading on-chain state. Meanwhile, Cacti orchestrates the cross-chain "recipe" (e.g., escrow/lock, proof/identifier exchange, mint/burn of a representation token, and redemption) to ensure atomic execution, either fully completing or safely rolling back. Practically, this enables cross-ecosystem asset movement and exchange between Stellar and Besu using reusable Cacti components and policies rather than one-off integration code.

MB

vesseo

For Mercado Bitcoin, Latin America's largest crypto exchange, Cheesecake Labs built a modular blockchain architecture featuring smart contracts, asset tokenization, and DeFi automation, strengthening platform security and data governance for millions of users. Vesseo is a Stellar-based digital wallet for which Cheesecake Labs engineered new features tailored for Brazil, including Pix payments, cash-in and cash-out via MoneyGram, virtual USD accounts in USDC, and QR code transactions. These integrations bridge digital assets and local payment systems, reduce remittance costs, and expand access to stable, borderless money.

Member webinars: Interoperability for Real-World Web3 & Tokenized Assets

DLT Interoperability with Stellar Connector for Hyperledger Cacti

Blog: Building Bridges: Developing the Stellar Connector for Hyperledger Cacti

Consensus 2024 presentation: Introducing the Stellar Connector for Hyperledger Cacti

BRBPO

LFDECENTRALIZED TRUST
GENERAL MEMBER

Since: 2025

BRBPO is a provider of solutions for the public sector, focusing on citizen service and relationship systems. Born as the technology arm of a company with over 20 years of experience in public-facing services, BRBPO itself has been operating for nine years with the objective of developing products that inspire confidence in its users.

The company's core mission is to streamline problem-solving and enhance communication between companies and their clients, making this interaction closer and more secure. To achieve this, BRBPO strategically adopted distributed ledger technology (blockchain) for its capacity to bring transparency and trust to its systems. Currently, all solutions provided by BRBPO incorporate the advantages of blockchain technology, underpinned by the pillars of transparency, trust, and privacy.

The organization’s main product lines include Citizen Relationship Management (CzRM) solutions, telephony, Blockchain as a Service (BaaS), and corporate automation for both the public and private markets.

“With a primary goal of closing the gap between companies and their customers, BRBPO is constantly applying cutting-edge technologies that align with our philosophy and the way we operate. Joining LFDT felt like the right path, as transparency, trust, and privacy are hallmarks of our market. By working directly within this innovation ecosystem, we will both contribute to and adopt state-of-the-art technologies tailored to our industry.”

Carlos Eduardo Quilici Gurgulino de Souza
CEO, BRBPO

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CERTIFIED SERVICE PROVIDER

BRBPO

LFDECENTRALIZED TRUST
GENERAL MEMBER

Since: 2025

Case Study: Strengthening the Protection of Women with Blockchain in the 'Ligue 180' Service

'Ligue 180' is the national Brazilian specialized support channel for women experiencing violence, offering support and referring complaints throughout Brazil and internationally. To elevate the security and integrity of this vital service, BRBPO has integrated blockchain technology, leveraging Hyperledger Fabric, creating a new paradigm of trust and transparency.

The solution guarantees data immutability, ensuring that every report is recorded permanently and is tamper-proof. This creates a hyper-auditable journey, allowing regulatory bodies to monitor each stage of the process in real time. Through advanced cryptography, the victim's privacy and the protection of sensitive information are guaranteed.

Crucially, blockchain technology reduces the risks of institutional leniency or external interference in the handling of complaints. By applying decentralized trust, BRBPO has strengthened an essential service, establishing a higher standard of accountability and security in citizen protection.

Panel discussion: Linux Foundation Decentralized Trust: Construindo Juntos a Infraestrutura Global para Ativos Digitais

VALOR

LFDECENTRALIZED TRUST
GENERAL MEMBER

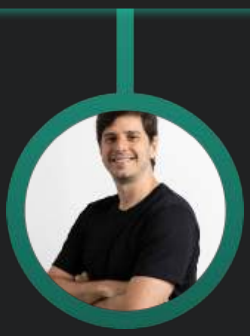
Since: 2025

Valor Capital Group is a venture capital firm founded with the mission of connecting the innovation ecosystems of the United States and Brazil, investing in emerging technologies that drive modernization and digital inclusion. With a presence in São Paulo, Rio de Janeiro, New York, Mexico City, and Silicon Valley, Valor supports companies building the infrastructure of the future, across sectors such as fintech, blockchain, artificial intelligence, and software.

As a cross-border investor, Valor serves as a bridge between global capital and local opportunities, accelerating the international expansion of companies leading Latin America's technological transformation. Valor's investment thesis is to back technologies that redefine markets. Valor is an investor in 22% of Latin America's unicorns and the most active blockchain investor in the region, supporting companies that are building the next generation of digital infrastructure.

"We believe the next frontier of innovation lies in the convergence of technology and global connectivity. At Valor, we invest in entrepreneurs who are building the foundations of a more open and interoperable digital economy, where blockchain and artificial intelligence transform how the world transacts, shares data, and creates value."

Bruno Batavia
Principal & Director of Emerging Technologies, Valor Capital



VALOR

LFDECENTRALIZED TRUST
GENERAL MEMBER

Since: 2025

Valor Capital Group invests in startups and projects that leverage LF Decentralized Trust technologies to advance financial and digital infrastructure. This includes supporting companies such as Kaleido, a primary maintainer of Besu and a Linux Foundation board member, and Partior, which is redefining cross-border settlement through real-time, multi-currency transaction networks.

We also back emerging standards in digital assets and market infrastructure. OpenAssets (formerly Pointsville) develops tokenization frameworks for traditional financial institutions, while Crown, Parfin, and Hamsa build critical components for custody, compliance, and institutional-grade digital asset operations across Latin America.

Together, these initiatives demonstrate Valor's role in enabling the next generation of interoperable, regulated, and enterprise-ready digital infrastructure, bridging technology, governance, and large-scale institutional adoption.

LFDT Meetup: Linux Foundation Decentralized Trust: Construindo Juntos a Infraestrutura Global para Ativos Digitais

Rayls

LFDECENTRALIZED TRUST
GENERAL MEMBER

Since: 2024

Rayls is an enterprise-grade distributed infrastructure designed to support regulated financial institutions in building, connecting, and scaling secure digital financial solutions. The platform bridges traditional financial systems with modern distributed technologies, with a strong focus on compliance, privacy, interoperability, and operational resilience.

Rayls aims to provide secure, interoperable, and governance-driven infrastructure that enables financial institutions to adopt programmable and distributed financial systems while maintaining regulatory compliance, data protection, and institutional control.

Core Capabilities

Multi-Layer Distributed Architecture

Rayls operates across three integrated layers tailored for regulated financial environments:

- Privacy Node: Fully private, on-premises infrastructure dedicated to a single institution, ensuring maximum confidentiality, data sovereignty, and operational control.
- Private Network: Permissioned environment governed by strict institutional participation and access rules through authorized Privacy Nodes.
- Public Chain: Open network enabling external connectivity. Institutions interact securely with public environments through the Privacy Node, enabling controlled transfer of transactions and digital assets across networks.

"Brazil is building one of the most advanced digital financial ecosystems in the world. Started a vibrant crypto community, a forward thinking Central Bank and Security Commission (CVM), piloting the CBDC and supporting security tokenization sandboxes, with strong innovation from fintechs, banks and blockchain infrastructure players like Parfin. The country is shaping the future of programmable and privacy-preserving finance. At Rayls, we are committed to advancing this vision through open source infrastructure that enables secure, interoperable, and decentralized financial markets."

Marcos Viriato
CEO, Parfin

Rayls

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Since: 2024

1) Credit Receivables Infrastructure

Rayls supports regulated distributed infrastructure for credit receivables, enabling financial institutions to modernize the full lifecycle management of receivables. Through automated processing, seamless integration with institutional financial systems, and privacy-preserving data governance, Rayls helps institutions improve operational efficiency, reduce reconciliation overhead, and strengthen transparency and auditability within a compliant framework.

2) Drex Distributed Financial Infrastructure — Brazilian Central Bank CBDC Pilot

Rayls contributes to Drex, the Brazilian Central Bank's CBDC pilot, providing privacy-preserving and interoperable distributed infrastructure designed for regulated digital financial markets. Its compliance-oriented architecture supported controlled disclosure across financial institutions and distributed environments, advancing the validation of next-generation financial infrastructure. This contributed to the development of secure, interoperable digital financial markets aligned with regulatory and supervisory

These implementations demonstrate the transition of distributed financial infrastructure from pilot to production in regulated environments, delivering measurable improvements in efficiency, transparency, governance, and operational resilience while enabling secure financial innovation at scale.

LF DECENTRALIZED TRUST
MEMBER SUMMIT

Exclusive members-only annual event where industry leaders gather to direct the future

- ❏ Network with business and technical leaders
- ❏ Brainstorm to advance project scaling
- ❏ Share best practices and lessons

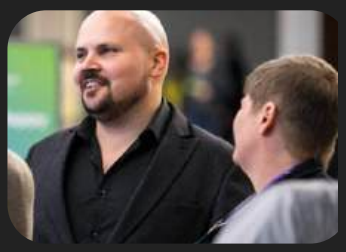
The LF Decentralized Trust Member Summit is an annual, pivotal gathering for innovators advancing secure, openly developed decentralized technologies.

It provides members with a collaborative platform to shape the future of blockchain, cryptography, distributed identity, and related projects through strategic discussions, workshops, and working groups.

By directly contributing to technical roadmaps and governance frameworks, participants align projects with real-world needs while staying ahead of emerging trends.

Members benefit from unparalleled networking opportunities, connecting with global experts across industries such as finance, healthcare, and IoT. These collaborations often lead to innovative partnerships and practical solutions that enhance efficiency, security, and scalability.

Ultimately, the event underscores the power of open collaboration, empowering members to co-create technologies that build trust on a global scale. For organizations shaping the decentralized future, the summit is an essential venue for influence, insight, and innovation.



About the Authors

Daniela Barbosa

General Manager of Decentralized Technologies at the Linux Foundation and Executive Director of LF Decentralized Trust

Daniela has overall strategic and operational responsibility for staff, programs, expansion, and the execution of LF Decentralized Trust's mission. She is a leading voice for the power of openly developed decentralized technologies to optimize critical infrastructure for efficiency, privacy, and inclusivity.

Daniela Barbosa

Karen Ottoni

Senior Director of Ecosystem & Strategic Initiatives at LF Decentralized Trust

Karen Ottoni supports the diverse ecosystem of innovative companies implementing enterprise blockchain solutions across various industries. She leads the promotion of best practices and examples of how digital assets can improve financial systems.

Karen Ottoni

Joselio Teider

UFPR Researcher and Decentralized Trust Brazil Chapter Chair

Josélio Teider leads the Brazil Chapter of LF Decentralized Trust, promoting open technologies and open source software through community building, ecosystem development, and collaboration across enterprises, startups, and public institutions to drive trustworthy and sustainable digital infrastructure.

Joselio Teider

Thank You

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Fuel the future of decentralized technologies

Learn more about membership

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