



## Corda Network •

### A universal network for Corda applications that delivers interoperability, trusted identities and optionality

Multi-party applications require a 'business network' where end users come together to leverage the benefits of a distributed solution—whether it's sharing, tracking, or exchanging data or assets with trust. Most blockchain applications are either deployed on a private or public network. Yet, these network types require application builders to choose between interoperability or privacy and control. This lack of optionality provides little flexibility for the different types of business models and end users, who may require both.

#### Drawbacks with public and private business networks

Public networks permit anyone to join and participate, providing little control over who can transact across the blockchain applications running on the network. While they do allow assets to move across applications, public networks open up security concerns around the identity of users who could potentially expose sensitive transaction data to unknown network participants.

In contrast, private networks deliver the benefits of multi-party applications, but in a closed setting, offering increased control and privacy. The tradeoff to this type of network is it runs in isolation to other networks, creating siloed business networks with different governance standards and no way of transacting between networks, resulting in 'islands of trapped assets'.

#### Bridging the gap between public and private networks

**Corda Network** is a universal network for applications built on **Corda**. It was designed to deliver the interoperability of a public network along with the increased control and privacy offered in a private network.

Corda Network reduces the overhead of managing network infrastructure and provides a trusted network for end-users to transact seamlessly, securely and in strict privacy. To ensure Corda Network is operated in the best interests of participants, it is governed by the not-for-profit **Corda Network Foundation**.

# Corda Network Foundation

Corda Network is governed by the **Corda Network Foundation**, a not-for-profit based in Holland. The Foundation ensures that the governance model is set by Corda Network participants, not a single commercial entity. The Foundation serves as the basis of trust and is responsible for safeguarding the Corda Network Trust Root, a cryptographic key, stored offline and secured in custody, that all participants' identities are rooted back to. Policies, operational handbooks and legal documentation are published openly on [corda.network](https://corda.network) to ensure the Foundation's decisions are transparent in practice.

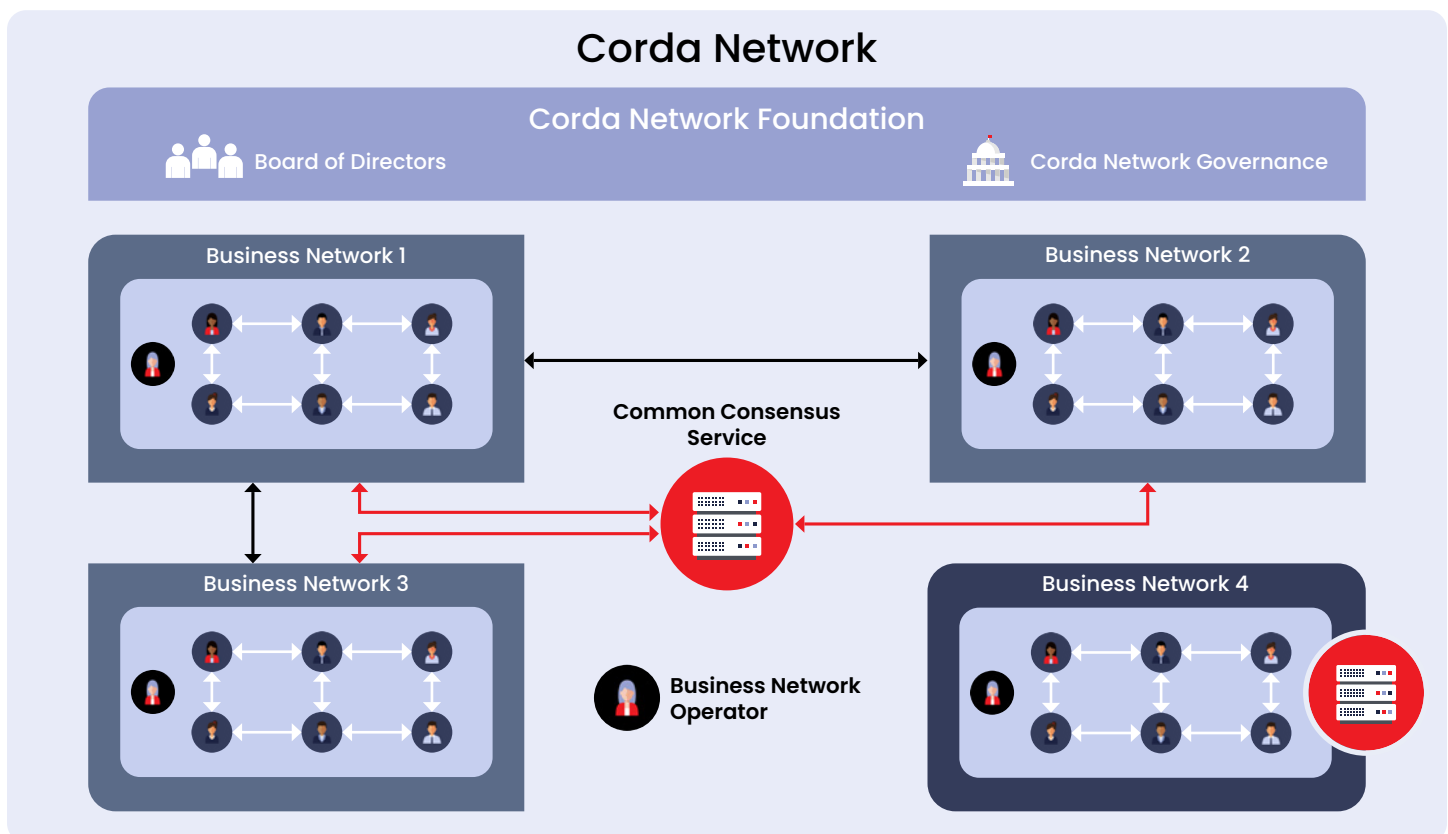
## Key benefits of Corda Network

### Network infrastructure-as-a-service for Business Network Operators

Networks can be complex to run. Business Network Operators have to manage network infrastructure, identities, onboarding and governance—all while ensuring privacy, security and enterprise-level support for end-users. For Business Network Operators who don't have the resources for a dedicated network operations team, this can be a major barrier in getting to production.

Corda Network provides the infrastructure and services to setup, run and scale your business network on the Corda platform, enabling Business Network Operators to:

- **Eliminate operational complexity:** Using Corda Network's infrastructure services
- **Offer new and differentiated solutions:** By interoperating across business networks
- **Retain privacy and control:** With multiple network options that reflect your business model
- **Provide identity certainty:** With identity verified by an independent foundation



## Trust through open governance

Corda Network has two layers of governance. The Corda Network Foundation governs the first layer, ensuring participants' identities are verified before joining a business network. The next layer is governed by the individual business network. Here, Business Network Operators set and control their own governance structure and permissioning who can join their business network. Because business networks are using the common consensus services to validate transactions, they have the optionality to interoperate across other business networks.

### Key features

- **Interoperability across business networks:** Business networks on Corda Network have the ability to fully interoperate with each other, exchanging assets and data between participants of the different networks.
- **Flexible consensus services:** The notary validates that peer-to-peer transactions are unique and have not been previously spent, without seeing the contents of the transaction. Corda Network hosts a highly available and secure notary service for all network participants, reducing licensing and operational costs. Alternatively, you can deploy your own notary, while utilizing Corda Network infrastructure.
- **Identity management:** Identity credentials of every Corda Network participant are verified and managed prior to providing access to the network.
- **Network map service:** Network identities are tied to a real-world legal identity, creating a network map of verified participants to transact with.
- **Dedicated Network support:** Corda Network support can be accessed 24/7 via the support portal, with a team available to support onboarding, operations and incident management.

## Choose the network that matches your business model


There are two ways to join Corda Network—providing Business Network Operators a choice in their network deployment.

### Corda Network—Mainnet

Mainnet is the main network within Corda Network, comprised of business networks using the infrastructure and consensus services. Mainnet is the primary choice for Business Network Operators looking to reduce time-to-market and operational cost by utilizing Corda Network's infrastructure services, while having the option to interoperate with other business networks.

### Corda Network—Segregated Network

A Segregated Network is a partitioned sub-network within Corda Network, using the infrastructure services but an independent consensus service (notary). A Segregated Network is the primary choice for Business Network Operators looking to run a private consensus service with customized SLAs or jurisdictional requirements.



## Get in touch

Already building on Corda and ready to join Corda Network? Visit [corda.network](https://corda.network) to learn more.

New to Corda? Check it out on [r3.com/corda-enterprise](https://r3.com/corda-enterprise) to discover how multi-party applications built on Corda—the only scalable DLT application development platform for regulated industries—can streamline business processes and reduce cost.

## About us

R3 is an enterprise software firm that is pioneering digital industry transformation. With our foundation in enterprise blockchain technology, we power solutions that deliver trust across the financial services industry and beyond.

R3's enterprise blockchain platform Corda is digitalizing the processes and systems that firms rely on to connect and transact with each other and has more than 350 institutions deploying, servicing and building on it. Our Conclave platform harnesses the promise of confidential computing and Intel® SGX technologies. Conclave empowers businesses to develop applications that analyze and process sensitive data from multiple parties—all without compromising on confidentiality.

Our customers and partners have access to an ecosystem of leading systems integrators, cloud providers, technology firms, software vendors, corporates and banks. To ensure our customers derive the greatest value from their investment, we provide services and support to shorten time-to-market, as well as guidance on implementation, integration and building blockchain business networks.

Learn more at [www.r3.com](https://www.r3.com), [www.corda.net](https://www.corda.net), and [www.conclave.net](https://www.conclave.net).



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