



Corda Enterprise Network Manager

Secure setup and management of private blockchain networks •

Corda Enterprise Network Manager delivers a solution for consortia, independent software vendors, corporates and market infrastructure providers to establish and run private blockchain networks. Available for users of Corda or Corda Enterprise, the solution enables strict control over network membership and allows members to locate and transact with each other, based on the network operator's requirements.

Giving control to private network operators

With Corda Enterprise Network Manager, business network operators tightly control all aspects of network setup and management. Based on the proven software used by Corda Network, it is a turnkey offering for independent control over network membership, infrastructure and the rules that govern consensus.

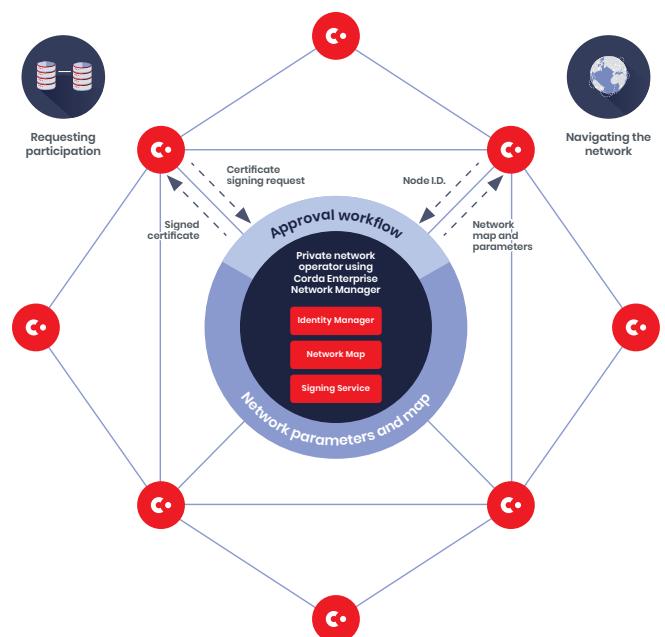
Trusted participants

The Identity Manager confirms whether new members are trusted identities and is used to apply the right level of due diligence in the onboarding process. This includes the ability to tailor the approval workflow, depending on the needs of the network. Digital certificates are signed by the Identity Manager too, using the dedicated network trust root. Members can be sure that they are trading with other parties trusted by the network - and no one else.

Security

The solution allows you to define the trust root for the entire network. After validation of a new member's identity, the certificate is signed to prove it is a trusted counterparty to other network participants. The solution adopts the proven Public Key Infrastructure security model and operators can use tamper proof Hardware Security Modules (HSMs) to store private keys. As the network operator you have total control over how the network is deployed - over the internet, an intranet or a private communications network.

Independent control over network membership and governance





Benefits of Corda Enterprise Network Manager

Control: The solution puts the power in the network operator's hands to sign node certificates based on the identity issuance controls they wish to apply. This ensures full control of network membership, while also providing the tools to make this process easy and as frictionless as needed.

Membership privacy: Corda Enterprise Network Manager can be deployed to ensure membership privacy is maintained within the private business network, securely controlling who is able to see a members IP address and certificate name.

Network management: Corda Enterprise Network Manager provides the independence that may be required in some instances to meet specific governance or regulatory requirements, such as:

- **A specific location for the governing entity, rules and administration**
- **The location of notary operator(s)**
- **The location of shared services infrastructure and data, including the trust root**
- **Service level agreements**
- **Control over network parameters and notaries**

About R3

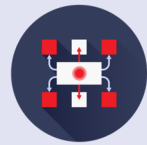
R3 is an enterprise blockchain software firm working with a broad ecosystem of more than 300 members and partners across multiple industries from both the private and public sectors to develop on Corda, its open-source blockchain platform, and Corda Enterprise, a commercial version of Corda for enterprise usage. Learn more at r3.com.

Key features



Identity Manager

The Identity Manager enables strict management of network membership by signing a node's request to join the network (Certificate Signing Requests) to prove they have an identity that is trusted by the network. It can be integrated with workflow tools to define the approval process.



Network Map

The Network Map publishes and maintains the directory of network participants, and ensures all nodes are in sync on network parameters and the whitelist of usable notaries.



Signing Service

The Signing Service signs all Certificate Signing Requests, the certificate revocation list and network parameters. It can be secured behind a firewall away from the Network Manager and Network Map and is integrated with an HSM for the highest level of security.

Contact

There are many considerations when deciding what setup will best suit your business network. A detailed guide to help you compare Corda Enterprise Network Manager with Corda Network (the universal network of Corda nodes and applications, governed by the independent Corda Network Foundation) can be requested.

[Contact Us](#)



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