



New Releases: Q2 2020

Corda Enterprise and Corda Enterprise Network Manager •

Corda Enterprise 4.5 and Corda Enterprise Network Manager 1.3 deliver increased performance capabilities of the platform, resiliency with new ledger recovery tools and introduce greater sophistication to Corda's flow framework.

Corda Enterprise 4.5

Instant settlement to de-risk trading: Significant performance improvements uniquely enable instant settlement for high volume, multi-party transactions to reduce latency related settlement risk, e.g. in capital markets.

Enterprise resilience with Ledger Sync: A new set of tools to enable the recovery of ledger data that may be lost in a disaster scenario. Enables nodes to diagnose inconsistencies or missing data by comparing their ledger with peers. Data can be recovered from network peers by requesting transactions via the flow framework.

Flow framework sophistication*: New APIs further improve the performance of flows that involve multiple counterparties and new flow termination improvements add to this unique component of the Corda platform.

Cloud deployment and DockerHub availability: New Azure Cloud templates, leveraging containers are available, enabling more standard deployment of a Corda test network, or nodes to a network. Corda Enterprise images are now available on DockerHub.

AWS CloudHSM—additional Hardware Security Module (HSM) support: Adds AWS CloudHSM integration to our matrix of supported HSMs to secure the keys used by a node. AWS HSM support is included for legal identity, TLS Firewall and Confidential Identity keys. The notary can also now store service keys in AWS CloudHSM for additional security.

Additional enhancements:

- **Automated metering:** New tooling to support more automated collection of metering information for CorDapp publishers and our flexible pricing model.
- **Compliance and security updates:** Nodes now maintain an audit trail of all users who tried to launch an RPC operation.
- **Token SDK:** Extended to provide a consistent API for use in both Java and Kotlin.

*Available with Corda open source 4.5



Corda Enterprise Network Manager 1.3

Corda Enterprise Network Manager continues to mature as the critical software to run a Corda network. This release delivers new features to improve the experience for network operators, providing more efficient management tools and greater control over user authorizations and network setup.

Interface for network operator user authentication and authorization: A new interface providing role-based access control for users operating Corda networks.

Single Command Line Interface to streamline network operations: A new Command Line Interface provides a single application to remotely manage all activities related to network management. This will speed up operational management with the ability to orchestrate all network management activities from a single place.

Additional enhancements:

- **Kubernetes:** improvements to the reference deployment
- **Configuration obfuscation:** support for the configuration obfuscation tool present in Corda Enterprise

Get started

Try Corda Enterprise 4.5 at r3.com/download-corda-enterprise or via cloud templates on Microsoft Azure Marketplace or AWS Marketplace.

[Learn More](#)

Try Corda Enterprise Network Manager 1.3 at r3.com/download-corda-enterprisenet-work-manager/

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