



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](https://r3.com/download-corda-enterprise) or via cloud templates on Microsoft Azure Marketplace or AWS Marketplace.

Try Corda Enterprise Network Manager 1.3 at [r3.com/download-corda-enterprisenet-work-manager/](https://r3.com/download-corda-enterprisenet-work-manager/)



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