



Corda Enterprise and Corda Enterprise Network Manager •

Corda Enterprise 4.4 and Corda Enterprise Network Manager 1.2 deliver new features in line with our strategic roadmap. These features enable faster and more resilient deployment of nodes, networks and applications, enhancements to the network operator experience, and further refinement of Corda's market leading performance and security capabilities.

Corda Enterprise 4.4



Market leading security: Hardware Security Module (HSM) support

This release enables node Certificate Authority (CA) and legal identity key storage in nCipher Shield Connect HSMs. Notary shared service keys can now also be stored in Utimaco, Gemalto Luna and nCipher HSMs.

Faster transactions: bulk processing for transaction back-chains

Corda Enterprise nodes can now request backchain items in bulk instead of one at a time increasing the speed of transaction processing as networks and transaction volumes increase.

Reduced transaction latency: message queue (MQ) control

Corda Enterprise node operators can now fine-tune message writing and acknowledgment settings in ActiveMQ Artemis to reduce potential transaction latency.

Better operational experience: peer connectivity checks

The Health Survey tool can now be run via RPC and is enhanced to verify node connectivity with peers and notaries, check network infrastructure connectivity, RPC connectivity and provide security warnings to operators if they are using unencrypted node or firewall configuration files.

Additional features for developers:

- **Flow API updates:** introduces additional flow operations to improve performance of long running flows, and to flag and send flow errors to the flow hospital for inspection*
- **Diagnostics API:** API call to allow CorDapps to ascertain the version of Corda on the node they're being run on*
- **Configuration obfuscator enhancements:** more robust and user-friendly encryption for credentials in configuration files
- **Simplified registration for a highly-available (HA) notary** on a Corda network.

*Available in Corda Open Source 4.4



Corda Enterprise Network Manager 1.2

This release of Corda Enterprise Network Manager provides faster, packaged deployment, enhanced network management, and more streamlined onboarding for the efficient delivery, development and testing of private networks.

Fast deployment of a test-network: support for Docker and Kubernetes

Official Kubernetes-friendly Docker images are now available for Corda Enterprise Network Manager, as well as a first reference deployment with Helm and Kubernetes. This enables simple, fast out-of-the box test network deployment to complement your development cycle, or a reference network for your production deployment.

Support for third party Certificate Authorities (CA)

A new optional pluggable interface allows network operators to elect to use third party software or service providers to manage the signing events required by their network services.

Additional features for network operators:

- **Node registration improvements:** introduction of an optional field in the node registration process to unlock and speed up onboarding logic
- **Faster network setup:** a bundled set of services that can run in parallel from one JAR file to ease smaller test deployments
- **Notary whitelist:** improved process for the onboarding of HA notaries
- **Expanded HSM support:** packaged support for AWS Cloud HSM

Get started

Try Corda Enterprise 4.4 at r3.com/download-corda-enterprise or via cloud templates on Microsoft Azure Marketplace or AWS Marketplace.

Try Corda Enterprise Network Manager 1.2 at r3.com/download-corda-enterprise-network-manager/



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