



What's new in Corda Enterprise 4.3? •

corda
enterprise

Corda Enterprise 4.3 paves the way for faster time to value, simplifying deployment and node management and further enhancing the resilience of the Corda platform.

Accounts, now a core feature of both Corda open source and Corda Enterprise, enables Business Network Operators (BNOs) to represent multiple organizational entities or end-users on a single node. This reduces costs and infrastructure requirements for BNOs and allows for easier on-boarding of corporate end-users. Corda Enterprise 4.3 features also include new operational tools for node and network monitoring, further integrations for the most widely used Hardware Security Modules (HSMs) and support for managed service providers to better manage and monitor progress of database migrations.

New features and key enhancements

Democratizing the node with Accounts

As business networks scale, hosting one node per user is not always optimal. The Accounts feature of the Corda platform allows BNOs to create multiple trading accounts, or legal entities, on a single node—each with its own signing identity. This increases the accessibility of Corda-based networks for corporates, investors and consumers and supports the delivery of new custodian business models for BNOs.

Accounts on Corda Enterprise 4.3 unlocks new potential for CorDapp builders and their customers by:



Lowering barrier to entry for end-users

CorDapp builders and BNOs can more easily onboard customers because those customers will no longer need to run their own node or fully join a network to participate.



Reduced operational costs

The ability to partition nodes enables the replication of complex organizational entities, trading relationships or agreements between counterparties. This simplifies the infrastructure needed by BNOs and reduces overhead and operational complexity.

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Opening up new revenue models for business networks

Accounts and tokens capabilities on the Corda platform enable the next generation of account management and custody solutions on enterprise blockchain. Supporting the creation of banking or custodial services, BNOs can maintain clients' cash, assets or agreements without clients needing to register on the network.



With Accounts...the ability to represent different legal entities within a single node provides flexibility and simplification for deployment and ongoing maintenance. In the future, we anticipate this can make it more cost effective for us as a network operator, and easier for network participants.

Amy Walker, VP, Fusion LenderComm, Finastra

Other Enhancements

- **New Hardware Security Modules (HSMs) integrations:** Added HSM integration and TLS key support for FutureX and Securosys, as well as confidential ID key storage for Securosys. Notary keys can be stored in selected HSMs, further securing notary signing keys, and signing events are batched for enhanced performance.
- **Health Survey:** Improving operator experience by verifying connectivity within production deployments, including firewall components and infrastructure endpoints (Network Map, Network Manager).
- **Notary support for additional databases:** The notary can now use CockroachDB and Oracle Database as highly-available databases to provide consensus giving greater optionality for notary operators.
- **Database migration control:** Node operators, such as managed service providers, can manage and automatically monitor the progress of database migration, manage node or CorDapp upgrades on behalf of an end user, and report on progress.

Get started with Corda Enterprise 4.3

Try it for free at r3.com/download-corda-enterprise or via cloud templates on Microsoft Azure Marketplace or AWS Marketplace.

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