

Daml features and components

Daml is the leading platform for building and running, sophisticated multi-party applications.

The Daml platform contains two core innovations: the Daml language and Canton

Daml contains a smart contract language and tooling that defines the schema, semantics, and execution of transactions between distributed parties. In addition to the language and tooling, Daml also integrates the capabilities and features of Canton, Digital Asset’s privacy-enabled distributed ledger that is enhanced when deployed with complementary blockchains and provides secure synchronization between multiple parties on a wide range of technologies. Daml applications are deployable either as a self-managed solution to any cloud or on-premise data center via the Daml Enterprise license, or through a managed Daml Hub license. Each offering includes the Daml SDK for application builds, system integrators via Daml APIs and language bindings, the ability to join existing ledgers through Canton participant nodes, as well as the option to create your own ledger with a Canton Domain.



The building blocks of Daml

Canton domains can be centralized or decentralized to suit the needs of the business application and can be backed by a relational database or a blockchain.

- Build your multi-party application with the Daml SDK**
Write business workflows with a purpose built language. Test and debug your applications instantly while running against an actual ledger.
- Integrate with existing systems via Daml APIs and language bindings**
Connect your Daml smart contracts to your infrastructure through a choice of mechanisms, including Java, JavaScript/TypeScript, JSON, and gRPC. We provide a React library to simplify GUI integration.
- Join an existing ledger with the Canton participant node**
Extend a distributed ledger with your own node for increased privacy on infrastructure you control.
- Create your own ledger with a Canton domain**
Run your own Canton ledger and enhance it with a database or blockchain of your choice.

Daml Enterprise

Daml Enterprise includes everything needed to build, test, and deploy Daml applications to your own infrastructure, on-prem or in the cloud. Daml Enterprise includes always-on, 365x24 support directly from Digital Asset

Daml Hub

Daml Hub is a managed cloud service built to help users take Daml applications from small beginnings to mass adoption — with minimal operational burden.

Learn more about Daml at digitalasset.com/products

Run Daml on the following databases or blockchains and connect across business boundaries:



Pick the right product for your business

The Daml platform is accessible to users through two distinct products, Enterprise and Hub.

daml / enterprise

The key features of Daml Enterprise include:



Join any Canton ledger, with full privacy

Canton is a privacy-enabled distributed ledger that is enhanced when deployed with complementary blockchains.



Easily integrated

Connect your Daml smart contracts to your infrastructure through a choice of mechanisms, including Java, JavaScript/TypeScript, JSON, or gPRC. We provide a React library to simplify GUI integration.



Start your own network

Get all the benefits of Canton and blockchain technology by running the Canton protocol backed by PostgreSQL, Oracle Database, VMware Blockchain, Hyperledger Fabric, or Hyperledger Besu.



Connect with other Daml applications

Interoperate with other Daml applications via Canton, even if they're running on different platforms.

daml / hub

The key features of Daml Hub include:



Clear UI to manage applications

UI enables simple project and ledger creation, file management for Daml models and triggers, and automation.



Data exploration

Explore Daml contracts on the ledger, join existing applications, and navigate to previous applications.



Link Daml apps to other services

Integrations are installable modules that allow your app to interact with the world by sending and receiving requests from external systems.



Front-end hosting for your app

Host front-end assets for apps by publishing files to be exposed by HTTPS over a ledger-specific subdomain.

Digital Asset

Digital Asset is a software and services provider that helps enterprises build economic value through interconnected networks. The company designs and delivers technology that reshapes legacy systems and workflows into efficient, secure, and interconnected applications. Daml, our core technology, is a platform for building multi-party applications. It extracts and simplifies business processes to make data accessible and optimizes workflows using smart contracts. Leading organizations across financial services, insurance and healthcare partner with Digital Asset to create new multi-party solutions that transform disparate silos into synchronized networks.

Learn more and view additional case studies at digitalasset.com, or



Download the Daml Open Source

and view our reference applications at <https://daml.com>



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Set up a call or meeting

by contacting us at sales@digitalasset.com