DAML

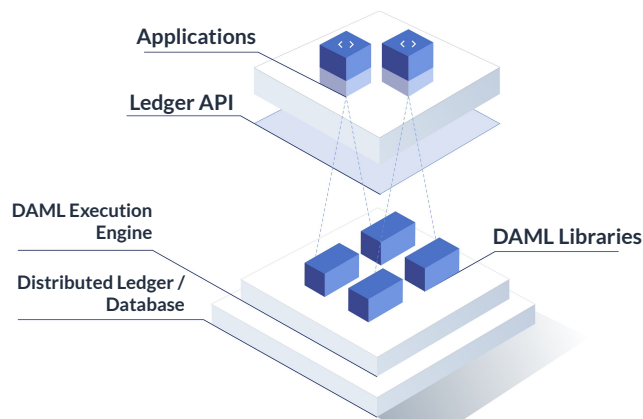## Automate Complex Workflows for Greater Efficiency and Growth

As businesses become more digitally connected, the number of internal and external systems managing complex processes and workflows expands, creating a significant number of disparate data stores. The transactions between these systems and various parties becomes a burden on the organization, as data must be reconciled against the information stored by each party. The inefficiencies of these multi-party workflows slows down revenue generating activities, increases internal management costs, and jeopardizes the organization's compliance with various data regulations.

In an attempt to streamline processes, businesses build applications to automate transactions, but this automation creates a new set of problems. Without DAML, developers only have access to traditional programming languages which do not automatically isolate the business logic from the system code. Without a clean separation, developers interweave infrastructure code within their business application, resulting in fragile solutions that lack interoperability and portability. Each transaction in a multi-party workflow functions as a contract between the internal and external stakeholders, and must be executed in a way that guarantees the right people receive the right information at the right time. The complex nature of multi-party applications requires a comprehensive ecosystem consisting of integrations, APIs, the DAML runtime and sample applications that simplifies every aspect of building multi-party workflows.

DAML – removing internal and external barriers with a privacy-first framework that tracks and authorizes every workflow step

Applications

Ledger API

DAML Execution Engine

DAML Libraries

Distributed Ledger / Database

DAML features:

Automate businesses processes with rights, obligations, and fine-grained authorization built into the language, accelerating development of your organization's single source of truth

Code-free migration to any system of choice as DAML partners with a range of distributed ledgers and databases; build the application without the infrastructure lock in

Increase operational efficiency and eliminate data silos with a layer that sits across multiple applications, extracting and connecting data that can be used in repeatable workflows

Bring products to market faster with fewer developers solving actual business problems with business code; DAML handles the rest

Invest in future-proof applications with a purpose-built framework

Tear down data silos and automate time-consuming processes

DAML helps businesses in every industry build multi-party business processes that improve collaboration across internal and external teams and automate repetitive tasks, freeing up resources to work on projects that contribute to the bottom line. No more spreadsheets. No more difficult tools and error-prone reconciliation processes. Only purpose-built, efficient applications that eliminate the cost and maintenance of outdated workflows. DAML empowers business domain experts to rapidly create interoperable multi-party applications that adhere to strict data regulations, only sharing information with the parties who have specific rights to view the data.

Create new opportunities with a privacy by design framework

DAML ensures data is only visible to those who have a right to see the data including blinding transactions from the network operator for platforms that support this capability. With fine-grained permissions, DAML specifies both who is allowed to authorize a given contract step and who can view the contract data. DAML Studio supports test driven development to ensure DAML contracts express the intended workflows properly. DAML runs on a variety of databases and distributed ledgers, so companies can select the underlying infrastructure best suited for the task at hand and immediately start building solutions that offer a time to market advantage while directly contributing to the company's bottom line.

Use an ecosystem trusted by the world's largest enterprise operations

The **Australian Securities Exchange** is changing the way all stocks change hands in Australia, the 9th largest economy in the world, by using DAML for VMware Blockchain.

Broadridge, a global Fintech leader that helps clients get ahead of today's challenges to capitalize on technology that transforms businesses, is using DAML to streamline workflows for the world's largest Repo Market.

Hong Kong Exchange, the largest exchange in the world, is leveraging the power of DAML for its post trade allocation processes for Stock Connect.

Unlock innovation today

Digital Asset has partnered with IntellectEU to provide support for DAML and enable businesses to build their own applications.

IntellectEU focuses on digital finance and emerging technologies. Since 2006, IntellectEU has been focused on financial messaging and integration, being a SWIFT service partner. The company works with all leading blockchain providers (R3 Corda, DAML, Hyperledger, VMware, IBM) and serves customers across several industries.

About Digital Asset

Digital Asset helps companies of all sizes and across industries get distributed applications to market faster, and stay there longer. At the core of our service offering is DAML, an open source and platform-independent smart contract language that enables developers to write an application once and deploy it anywhere. Our global team of professionals is comprised of experts and innovators from technology, engineering, enterprise domains and the industries we serve.

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

- Download the SDK and view our reference applications at https://daml.com

- Connect with us on Twitter: @digitalasset @damldriven

- Set up a call or meeting by contacting us at sales@digitalasset.com