Trade Finance Transformation & Innovation with Daml



DISCUSSION AGENDA

- ^{⁰¹} Introduction to Digital Asset & Daml
- Daml for Trade Finance
- OBAMI Trade Finance Demo
- ⁰⁴ Q&A

Digital Asset & Daml

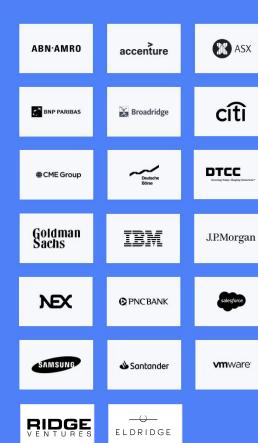
Digital Asset At-a-Glance

2014 Founded 6 Offices

180+ Employees 4 April
Daml Day



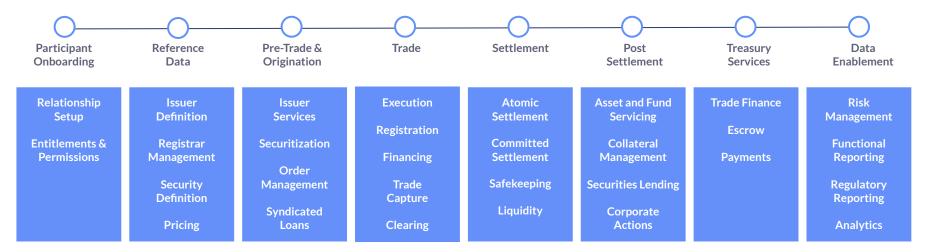




Financial services reimagined

Daml empowers financial institutions to reimagine and differentiate the way they do business, establishing themselves as the provider of choice within a given market by:

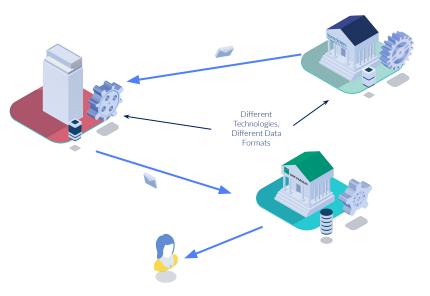
- Improving processing across the end-to-end lifecycle of nearly all functions
- Automating functions from participant onboarding to corporate actions
- Creating new services for our clients and their customers



What is Daml?

Daml is an application platform unconstrained by organizational boundaries. Companies can create multi-party solutions that **transform disparate silos into synchronized networks**, eradicating latency and errors by guaranteeing consistent, shared, and secured data.

What are the core problems We are trying to solve?



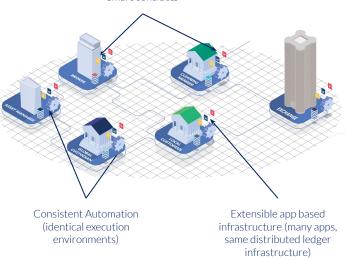
COMPLEX WORKFLOWS

NO COMMON DATA MODELS

DIFFERENT TECHNOLOGIES BILATERAL MESSAGING MANUAL RECONCILIATION

How can Daml smart contracts improve business processes?

Common Domain Model across parties through smart contracts



RULE-BASED WORKFLOWS

COMMON DATA MODEL

SINGLE SOURCE OF TRUTH

SEAMLESS FLOW OF DATA

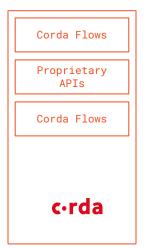
SUB-TRANSACTION PRIVACY

Blockchain is Infrastructure

Current implementations are full vertical stacks that are tightly integrated with little flexibility.

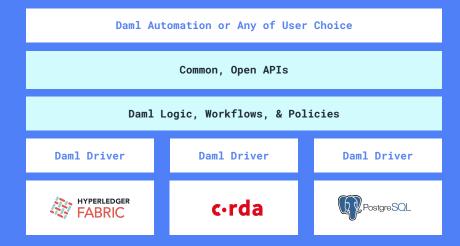






Smart Contracts are the Value

Daml decouples the business logic value from the underlying infrastructure.



Delivering Value Today

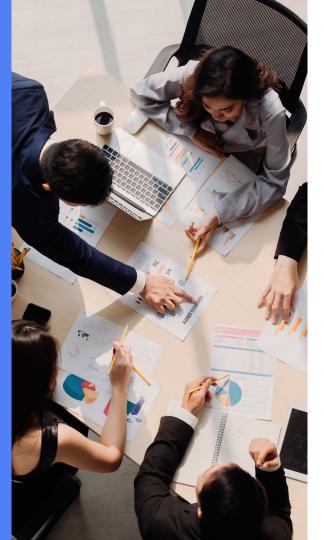
Modernization projects cannot be a multi year investment before proving the business case.

We have worked with some of the most complex organizations in the world to drive value now.

With a Vision for Tomorrow

However, decisions you make today can limit the potential of your project in the future.

We are building the global economic network of seamlessly interconnected businesses.























What are Daml smart contracts?



Smart contracts are small computer programs that are executed consistently by each node in a distributed network

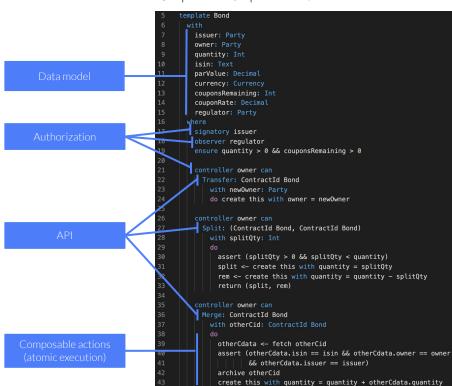
Daml is a unique smart contract language, that starts from the building blocks of rights and obligations

Any asset class (such as an LOC) can be accurately tokenised as the bundle of rights and obligations for the affected parties

Daml rights and obligations can also model shared workflows (rights and obligations + time / ordering) to fully automate the complex, multi-party processes across any ecosystem of parties.

/ daiii

Simplified Example Tokenised Bond



Write Once, Run Everywhere, Connect to Anything

Go to market faster with new products and services

Reduce cost to develop products with 10x developer productivity

Future proof by de-risking technology choices made today

Write once... Applications are portable across technologies

Run everywhere... Remove technology vendor lock-in

Connect to anything... Get true ledger interoperability





















daml / hub

DAML DRIVERS

DAML AAS

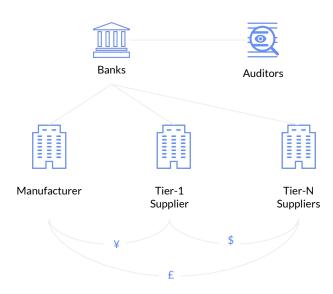
Daml for Trade Finance

Current Challenges in Trade Finance

The Global Trade Finance Ecosystem is worth \$5.2T with the gap in trade finance availability est. at \$1.7T*.

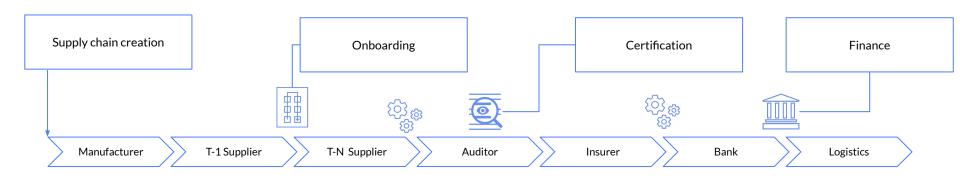
Global supply chain uncertainty over the last 24 months has impacted banks' appetite for risk. SMEs make up the majority of firms in global economies, but 40% of SME trade finance requests were rejected in 2020*

- The trade finance ecosystem is a complex web of technology, systems and data models across multiple parties
- Trade finance relies on time consuming manual, paper based processes
- The transactions are complex prone to delays and involve multiple parties
- Bureaucracy and regulation, creates barriers to raising STF and increases costs for SMEs



Daml: Solution

A shared ledger amongst multiple organizations makes time consuming reconciliations between parties unnecessary. Smart contracts allows automation of processes that were previously time consuming and error prone



A daml

Benefits





Shared Workflow



Advanced Analytics



udit Trail



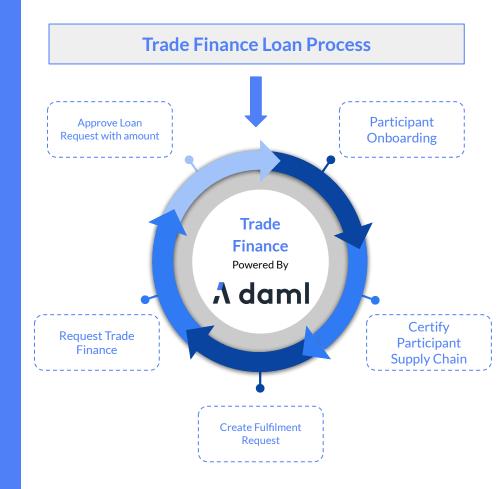
Privacy

Demo Overview

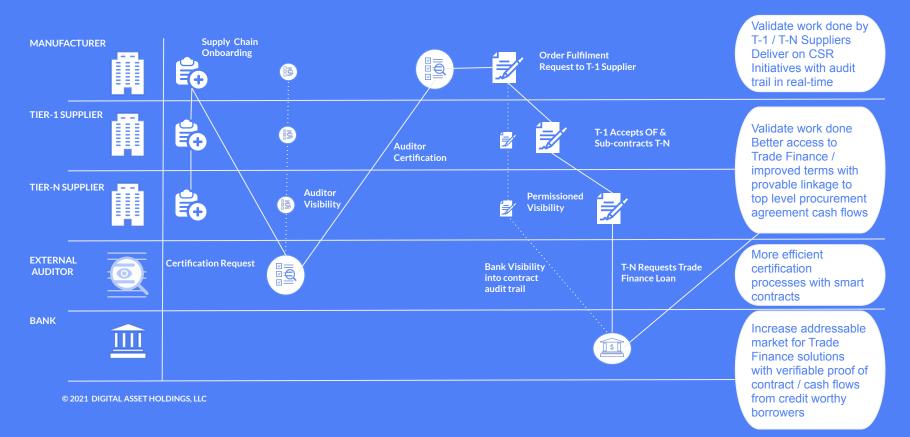
Structured Trade Finance Demo

Create an efficient and secure supply chain and trade finance loan approval process, reducing manual processes and the need for reconciliations.

- Supply Chain set up and onboarding of Participants roles and relationships
- External Certification of supply chain, CSR, Green Credentials
- Cascading Fulfilment requests from Manufacturer to Tier-N Suppliers
- Trade Finance Loan Request and Approval
- Simplified Process for Demo purposes
- Open Source Demo available on github



Trade Finance Demo Flow



Demo

Benefits of Structured Trade Finance using Daml

By leveraging DAML, participants benefit from:

- Create supply-chains by onboarding participants through an easy-to-use, transparent workflow
- Real-time notification and visibility of participants into parts or the entire workflow based on their eligibility
- Sub-transaction level privacy: Participants can only view contract details they are entitled to see
- Improved efficiency of processing Trade Finance requests for Banks and Participants
- Increase addressable market for structured trade finance solutions (e.g. pre-export financing) to Tier-2 and Tier-3 suppliers
- An immutable, time stamped, and real-time record of what Participant choices have been made, by whom, and when
- Increased and streamlined compliance with regulatory requirements, in addition to a full audit trail in the event of a dispute

Questions

Thank you

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