

## **Digital Asset Open Sources its Smart Contract Language, DAML, to Enable Integration with Other Platforms**

*DAML developers will soon have multiple deployment options for their distributed applications and the DAML Software Development Kit is now available to all*

New York -- April 4, 2019 -- Digital Asset, the creators of the DAML smart contract language, announced today that it has open sourced DAML. The source code for the DAML language, runtime, and Software Development Kit (SDK) is now freely available under an Apache 2.0 open source license, enabling third parties to modify DAML and integrate it with other platforms. In addition, the DAML SDK Developer Preview is now available to all developers, following a private beta program announced last year.

DAML is a functional programming language designed specifically for use in multi-party business processes, often referred to as smart contracts. DAML abstracts away the underlying complexities of blockchains and database technologies, allowing developers to focus on the logic of the applications they are building. This greatly reduces the time to market for new applications and allows for increased agility.

“There are multiple blockchain platforms, each designed for different needs. DAML is the most suitable language to rapidly write secure distributed applications regardless of the platform,” said Shaul Kfir, Co-founder and Chief Technology Officer at Digital Asset. “By open sourcing DAML, our goal is to enable rapid innovation across the industry by allowing users to focus on developing value for their business and leveraging a variety of deployment options.”

Digital Asset also announced the open availability of the DAML SDK Developer Preview, allowing any developer interested in building sophisticated multi-party applications to start using DAML today. The complete SDK is now also open source, allowing the developer community to not only extend the DAML language but also all associated tooling.

The DAML SDK was previously available as part of a [private beta developer program](#) that gave early access to developers at ABN AMRO, Accenture, Australian Securities Exchange (ASX), BNP Paribas, Broadridge Financial Solutions, Calastone, Change Healthcare, The Depository Trust & Clearing Corporation (DTCC), Forms Syntron, GFT, Hashed Health, Hong Kong Exchanges and Clearing (HKEX), Industrie&Co, IntellectEU, MV37, Nomura Research Institute, Singapore

Exchange, and UBS, among others. DAML is a core component of a number of Digital Asset enterprise-grade projects and proofs of concept, including those with the Australian Securities Exchange (ASX), Broadridge Financial Solutions and the Hong Kong Exchanges and Clearing (HKEX). The same tooling and documentation is now freely available for all developers at [daml.com](https://daml.com).

Executives at firms that participated in the developer program commented on the value of DAML and the impact of it being open source:

**Accenture:** “Accenture has been working closely with Digital Asset and now has over 240 developers using DAML. We frequently advise our clients on which ledger platform they should select for their use case. Open sourcing and allowing DAML to run on multiple platforms provides a fantastic new option to get the strength of the DAML programming language with the features of a variety of underlying ledger platforms,” said David Treat, managing director and global blockchain lead at Accenture.

**Australian Securities Exchange (ASX):** “The open sourcing of DAML is great news for software engineers and market users seeking to understand how DAML can manage complex multi-party workflows better than other smart contracting languages. As we develop the CHES replacement system based on DA technology at ASX, the open sourcing of DAML will accelerate the creation of a software developer community in Australia and the adoption of DAML globally,” said Peter Hiom, Deputy CEO at ASX.

**BNP Paribas:** “DAML being open source and potentially integrated with multiple platforms makes it a much more attractive proposition to a large bank such as BNP Paribas. As investors in Digital Asset, we are very supporting of this strategic move,” said George Nunn, Chief Operating Officer - Global Markets Americas at BNP Paribas.

**Broadridge Financial Solutions:** “Broadridge’s involvement in the DAML developer program, and our support for open sourcing DAML, directly aligns with our commitment to driving innovation for the benefit of the entire financial services industry and in the repo market in particular. We’re working with Digital Asset on a DAML-driven solution that would provide for the simultaneous settlement of repo contracts and eliminate settlement risk – benefits that legacy technology cannot deliver. Together, we are helping get ahead of common challenges and enabling multidisciplinary teams to collaborate and build applications at a rapid pace,” said Mike Tae, Head of Strategy, Broadridge Financial Solutions.

**Change Healthcare:** “We found DAML to be powerful, intuitive and easy to use in implementing our Healthcare Payments POC (proof of concept). I am excited to hear that DAML will be open

source, and look forward to seeing others have the ability to implement Blockchain solutions using DAML and grow its adoption in the community,” said Gopi Devalcheruvu, VP of Technology at Change Healthcare.

**The Depository Trust & Clearing Corporation (DTCC):** “We welcome Digital Asset’s decision to add DAML to open source. We believe that open source is a critical enabler of DLT and, as the technology continues to mature, expanding the capabilities of open source offerings will become even more important. DAML has the potential to significantly modernize smart contract creation, and when combined with the SDK and execution environment, may significantly enhance the DLT ecosystem. We look forward to continuing to explore opportunities to leverage DAML and its SDK,” said Rob Palatnick, Managing Director and the Chief Technology Architect at DTCC.

**GFT:** “DAML has the potential to completely transform the way we do business process management. A key benefit of DAML is abstracting the low level workflow drivers from the application itself so that they can be driven purely by the business logic. This is more sophisticated than any language we have seen before and today’s open sourcing is a major step forward, presenting huge opportunities to modernize and automate,” said David Collins, Managing Director at GFT.

**Hashed Health:** “Hashed Health takes a practical approach to innovation in the healthcare space. DAML’s focus on privacy — an essential regulatory business requirement in the healthcare industry — has given us a powerful tool to extend our design and DLT product development. We fully support the decision to open source DAML, as it will help us gain adoption through improved security, licensing, and support,” said John Bass, CEO of Hashed Health.

**IntellectEU:** “IntellectEU has been working with DAML for over a year and it is by far the most advanced smart contract language on the market. By open sourcing DAML, Digital Asset have made it even easier for partners to extend and integrate with the language. DAML is quietly becoming the standard for smart contracts,” said Hanna Zubko, CEO of IntellectEU.

**MV37:** “DAML smart contract language cleanly splits the business processing from other application logic in a DLT based solution. This has great implications for everything from resourcing your teams to how you implement your continuous delivery pipeline. Now this is open source, things are going to get interesting!” said Richard Miller, Director at MV37.

## Additional Resources

- Learn more about DAML and its SDK, and view the source code at [daml.com](http://daml.com)
- New to DAML? Read the introductory [blog series](#).
- Hear from Digital Asset Co-founder and CTO, Shaul Kfir, at [Synchronize 2019](#) in New York
- Learn more about Digital Asset at [digitalasset.com](http://digitalasset.com)

## About Digital Asset

Digital Asset is a leading provider of distributed ledger technology (DLT) for building smarter applications that solve real-world business challenges. The company combines deep industry expertise with an extensive partner network and an open source smart contract modeling language, called DAML, to help organizations in a variety of industries synchronize multi-party business processes. Founded in 2014, the company serves global clients from New York, London, Budapest, Zurich, Hong Kong, and Sydney. To learn more about Digital Asset, please visit [www.digitalasset.com](http://www.digitalasset.com). To learn more about DAML, please visit [www.daml.com](http://www.daml.com).

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