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Swirls Releases SDK, Enabling Developers to Build Serverless, Secure Apps in the Cloud

Hashgraph distributed consensus platform provides radical alternative to Blockchain

COLLEGE STATION, TX—Aug. 11, 2016—Swirls™, building the trust layer for the internet, today released the Software Development Kit (SDK) for the hashgraph distributed consensus platform, which is free for download. The Swirls software development platform goes beyond blockchain, providing capabilities not previously possible with existing technology, to build and run shared worlds—fully distributed applications that harness the power of the cloud without servers. With Swirls, developers build applications that rapidly achieve consensus, resulting in fair, fast, proven and efficient transactions without any single point of failure.

Hashgraph technology – Fair, Fast and Proven

Swirls removes the obstacles inherent in blockchain technology. Blockchain is inefficient and does not enforce fairness. It can be challenged with high latency and probabilistic consensus, which often requires costly and wasteful mining.

In contrast, with Swirls, transactions are:

- **Fair:** As Swirls does not rely on miners, Swirls applications ensure the actual order of transactions is the consensus order, and all transactions are included.
- **Fast:** Swirls does not require “proof-of-work.” Transactions happen in milliseconds, instead of minutes or hours.
- **Proven:** Developers and users quickly receive absolute proof of the consensus results of their actions for 100 percent order certainty.



Leveraging the hashgraph distributed consensus algorithm, the Swirls platform enables developers to efficiently create always-available, serverless distributed applications of unlimited scope and scale.

“Developers want to create trusted, distributed applications that are not controlled by any single organization, for uses such as distributed identity directories, online auctions, stock markets, cryptocurrencies, and multiplayer games,” said Dr. Leemon Baird, founder and CEO of Swirls. “Using the power of Java, developers build smart contracts and can go beyond to build entire shared worlds. This is the first time these concepts have been brought together on a single platform.”

The Swirls SDK

The Swirls SDK contains the Swirls browser, example apps with source code that can run in that browser, and documentation for installing, running and writing new apps using Eclipse. In addition, developers benefit from a detailed tech report that outlines the hashgraph, consensus algorithm, and math proofs that power the platform.

“Swirls broadens the range of applications that can be decentralized, providing a platform for building the trust layer of the Internet,” continued Dr. Baird. “The SDK gives unprecedented access to a platform to design and develop applications with fairness in decision making, speed, trust and reliability, at a fraction of the cost of traditional server-based platforms.”

The SDK is available on the Swirls downloads page.

About Swirls

Swirls provides a platform to build and run shared worlds—fully distributed applications that harness the power of the cloud without servers. Applications built on



the Swirls platform create trust in peer-to-peer networks without a central server, while ensuring fairness, which is needed in auctions, markets, and multiplayer games. Leveraging the new hashgraph consensus algorithm, the Swirls platform enables developers to build applications that are fair, fast, secure and trusted. Swirls—building the trust layer of the internet. www.swirls.com | @Swirls

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