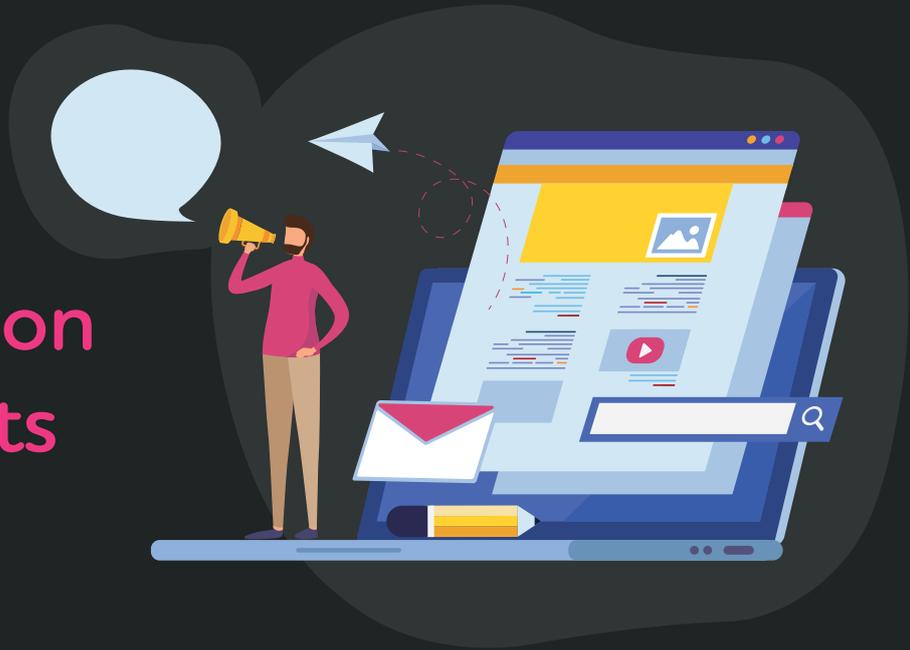


# Corporate Action Announcements

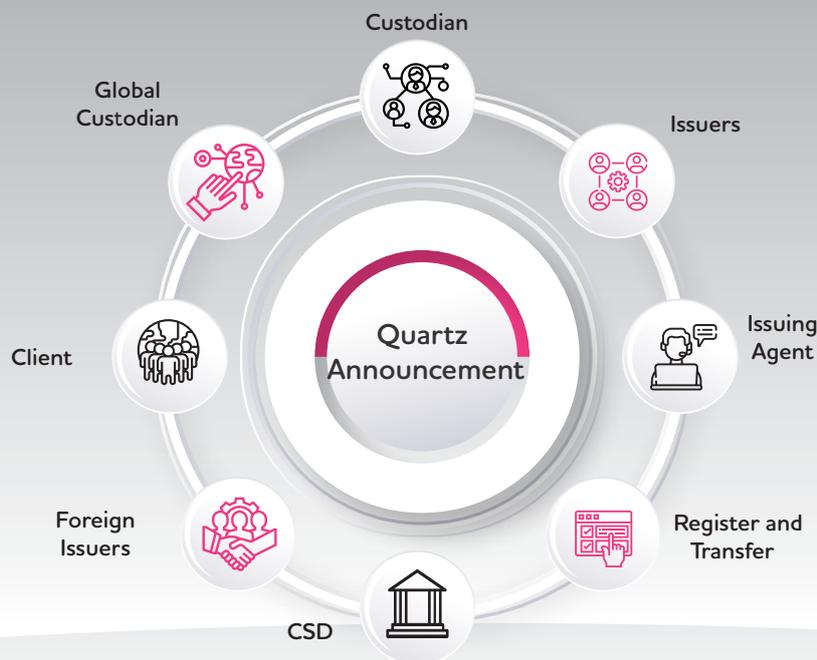


## Background

The Corporate Actions Announcements space is fraught with multiple challenges, including delays in the receipt and dissemination of information, the possibility of data being tampered, plurality of messaging formats and standards for communication, presence of too many intermediaries, and duplication of tasks performed across multiple systems in the value chain. As a result, market infrastructure organizations and custodians face problems of late payments, significant financial losses, and regulatory penalties, leading to a poor customer experience.

## Announcements on Blockchain

The Quartz Smart Solution for Announcements enables corporate actions announcements distribution on the blockchain. A private, permissioned distributed ledger ecosystem can be set up with the depository (CSD), the issuer and other participants as connecting nodes. Since data in the blockchain is encrypted, security is ensured for all participants. The technology ensures real-time information dissemination among the nodes in the ecosystem, alongside data immutability through tamper-proof ledgers and consistency in communication with stakeholders.



### The solution comes with the following features:

- Location/market specific attributes along with access eligibilities for distribution
- Issuers/Issuer agents, CSDs, information vendors or the custodians can be the publishing nodes for the corporate actions announcements information.
- Custody systems in different geographies can participate in the network as nodes. Additionally, larger institutional clients of the custodians can also be brought in as nodes on the network
- Entities like Foreign Issuers/ Foreign Custodians/ Foreign CSDs can also be part of the network
- Smart contracts define which entity would be responsible for event information at a market/issuer/ISIN level
- Eligibility criteria and rules will make sure the data is available only to authorized nodes. Each of the participants will have restricted access to their ledgers based on their eligibility.

- Supports ISO 20022 & ISO 15022 messages to capture the event information for equities, fixed income and related asset classes.

### Benefits:

- Instantaneous availability of corporate actions announcements information for all connecting nodes
- High quality information with a complete history of each announcement
- Golden source of information at one place eliminating the need for reconciliation of data and providing consistent data formats across entities
- Optimization of message flows improves efficiencies

### The Quartz Advantage:

- Ensures data integrity with cryptographic encryption of data, making it immutable
- Quartz Gateway provides easy connectivity to the blockchain ecosystem, thus facilitating smooth collaboration
- Flexible hosting options – Cloud/ On-premise to suit changing business needs

### Quartz - The Smart Ledgers

Quartz comprises an Intelligent smart contract development toolkit, Integration solutions and 'Designed for DLT' business solutions that help organizations leverage the power of DLT in their businesses. Built on the core principles of **Coexistence**, **Integration** and **Interoperability**, Quartz enables existing systems to coexist and integrate with blockchain platforms and other messaging networks.

To know more about Quartz, please write to us at [tcs.quartz@tcs.com](mailto:tcs.quartz@tcs.com), or visit our website <https://www.tcs.com/quartz>

### About Tata Consultancy Services Ltd. (TCS)

Tata Consultancy Services is a purpose-led transformation partner to many of the world's largest businesses. For more than 50 years, it has been collaborating with clients and communities to build a greater future through innovation and collective knowledge.

TCS offers an integrated portfolio of cognitive powered business, technology, and engineering services and solutions. The company's 469,000 consultants in 46 countries help empower individuals, enterprises, and societies to build on belief.

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