

Gateway



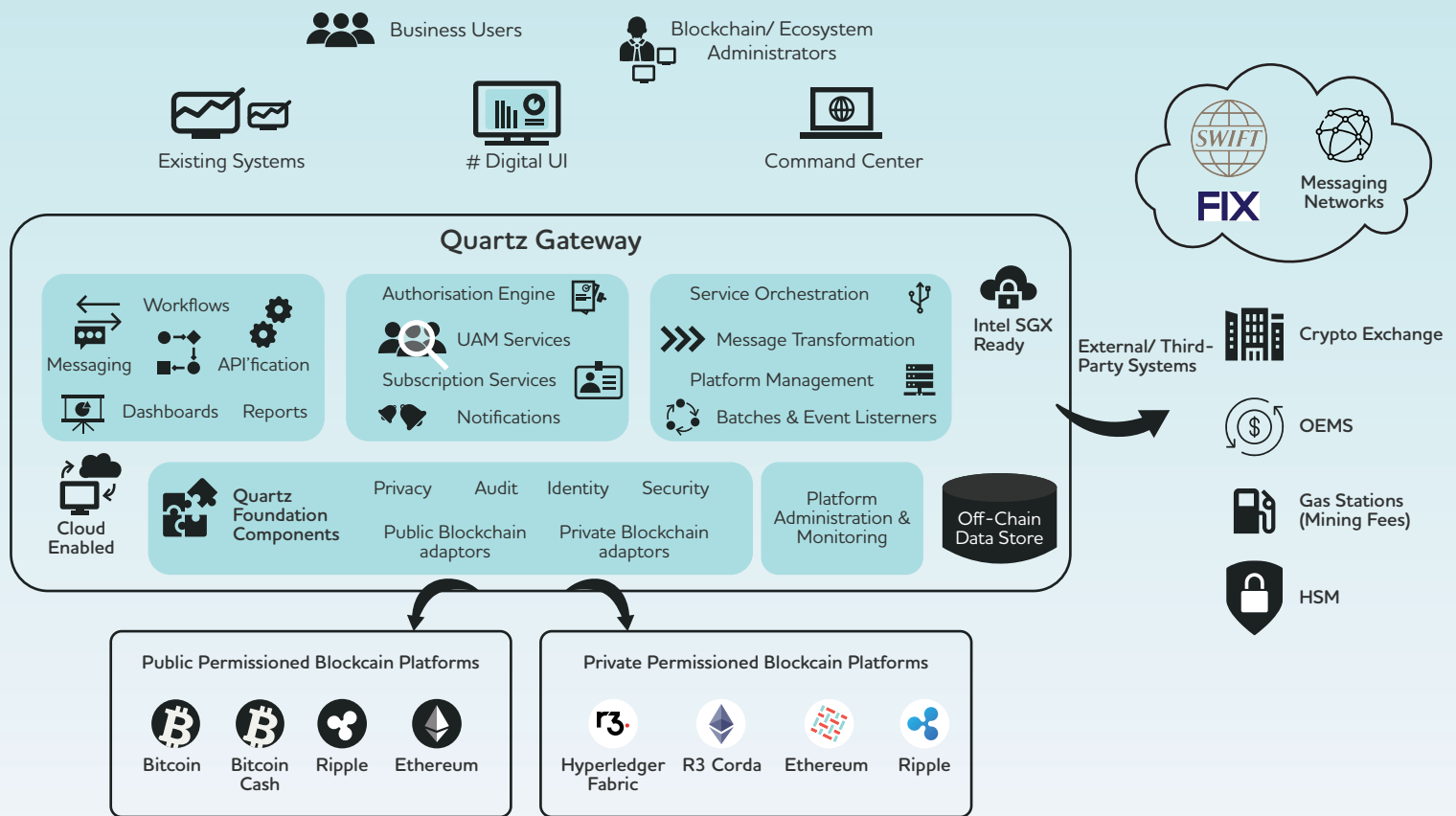
Background

The introduction of blockchain into an ecosystem implies that it needs to ‘integrate’ all connecting systems or nodes, such an integration is needed, to not only enable a handshake of existing systems with the blockchain and enable co-existence of these systems with blockchain, but to also allow the ecosystem to interface with other blockchain networks as well as standard messaging networks to ensure interoperability and leverage of data standards. In the absence of such an approach, enterprises would need to deal with significant challenges in rolling out services that leverage this technology. systems.

Solution

Gateway is a single, smart channel that can help integrate applications with various blockchain platforms, industry networks and ecosystems using simple REST APIs. Using the Gateway, organizations can connect seamlessly to multiple blockchain platforms, thereby eliminating the need for large scale and continuous changes to be made to their existing systems. It facilitates interoperability between blockchains and with other messaging networks, and industry standards like ISO. It also supports orchestration of services across multiple blockchain platforms thus delivering agility and flexibility to organizations operating diverse business processes.

The Gateway’s Command Center module helps a blockchain sponsor, to administer and maintain oversight of the entire blockchain network. It provides a comprehensive visual representation of all the activities taking place within the blockchain ecosystem at any point in time, and allows the system administrator of the sponsor to make key decisions when administering the network.



Business Benefits

- Enables coexistence of existing systems with blockchain
- Offers audit features for all the messages and API service requests that are received and processed

Quartz Advantage

- The solution brings together third-party solutions, legacy applications and messaging middleware in a connected ecosystem
- Enables firms to connect to various platforms in a faster and efficient manner

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, 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.

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