

Gateway



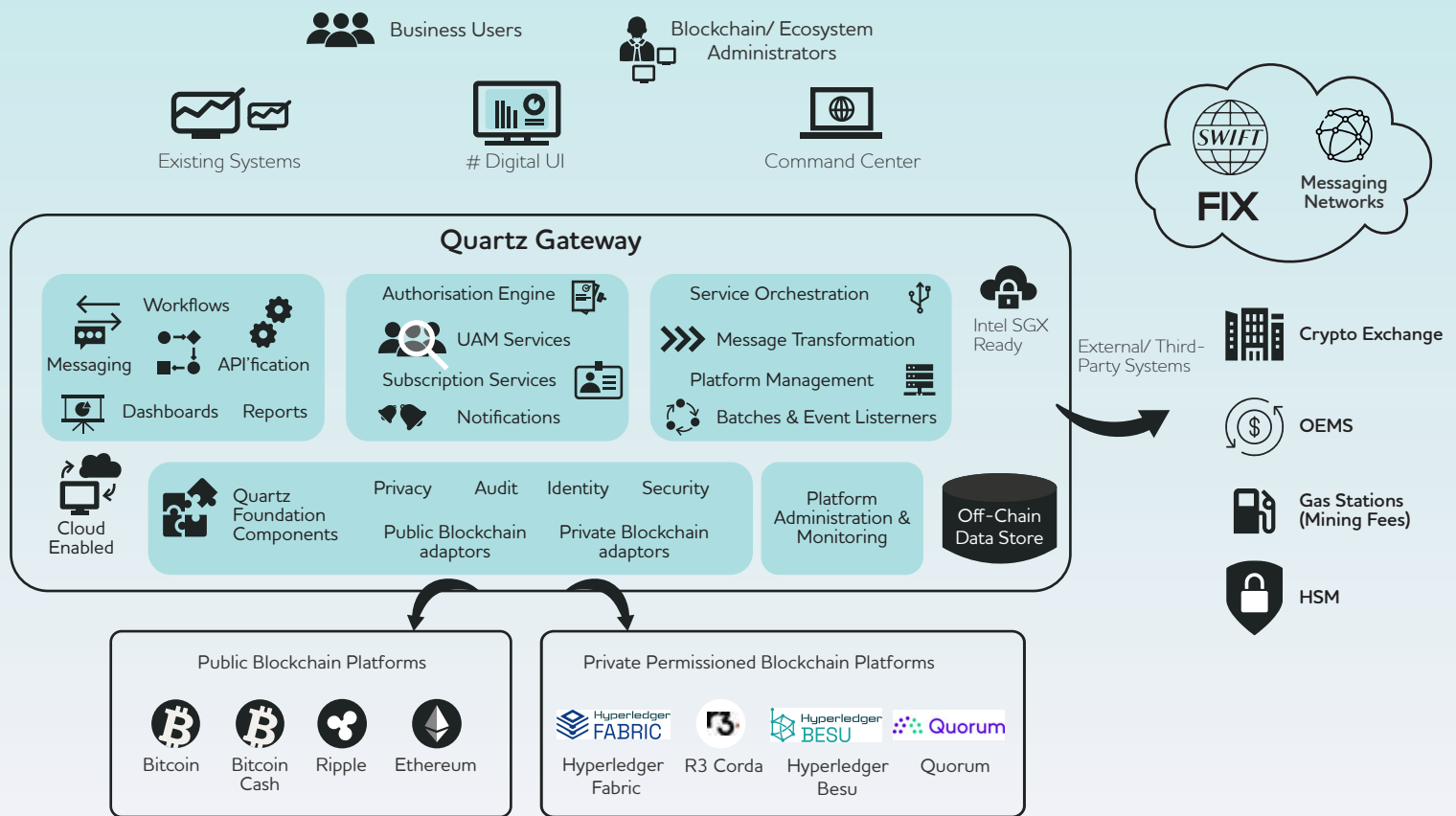
Background

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

About Quartz

Quartz provides foundational technology, tools and business components that harness the power of next-gen technologies including DLT, AI/ML for organizations across varied industries. Quartz caters to organizations across Industry segments including Financial Services, Banking, Supply Chain, Energy & Utilities and eGovernance. Backed by awards from the Asian Banker (Best Fraud Prevention Technology Implementation 2023), Financial Technology Forum (Best New Post Trade Solution of the Year 2022), Asset Servicing Times (Outstanding Innovation Award 2022) and recognition from Analysts (ranked #1 Best Performing Fraud Management Solution by IBS Intelligence 2022) Quartz can help organizations operate at the forefront of technology innovation.

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 an IT services, consulting and business solutions organization that has been partnering with many of the world's largest businesses in their transformation journeys for over 56 years. Its consulting-led, cognitive powered, portfolio of business, technology and engineering services and solutions is delivered through its unique Location Independent Agile™ delivery model, recognized as a benchmark of excellence in software development.

A part of the Tata group, India's largest multinational business group, TCS has over 601,000 of the world's best-trained consultants in 55 countries. The company generated consolidated revenues of US \$29 billion in the fiscal year ended March 31, 2024, and is listed on the BSE and the NSE in India. TCS' proactive stance on climate change and award-winning work with communities across the world have earned it a place in leading sustainability indices such as the MSCI Global Sustainability Index and the FTSE4Good Emerging Index. For more information, visit www.tcs.com

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