QUARTZ

Quartz for Compliance

Overview

Financial institutions around the world today are seeing a significant transformation of the regulatory compliance landscape. Cyber-attacks, money laundering, the rise in mergers and acquisitions, and the ongoing boom in digital currencies are among the global developments that have led to increased cross-border activity, resulting in penalties that can adversely affect both brands and businesses. It has become imperative for organizations across any industry to have access to a scalable, agile, and automated compliance solution that can anticipate and respond to emerging threats instantaneously.

Quartz for Compliance has continuously been enhanced in response to industry trends and regulatory needs and is helping major financial institutions globally in proactively managing fraud and compliance risks, including AML/CFT transaction monitoring. This solution, previously known as TCS BaNCS™ for Compliance, has been enhanced to incorporate critical new technologies, including AI/ML and blockchain, and is available within the Quartz portfolio, ensuring that customers benefit from TCS' investments in cutting-edge technologies.

Quartz for Compliance helps identify unusual customer behavior patterns across large transaction volumes, encompassing a wide range of business lines – all from a single platform. With a footprint spanning more than 15+ countries, the solution has been enhanced continuously in response to industry trends and regulatory needs and is helping a variety of financial and non-financial institutions in proactively managing fraud and compliance risks alongside AML/CFT transaction monitoring.
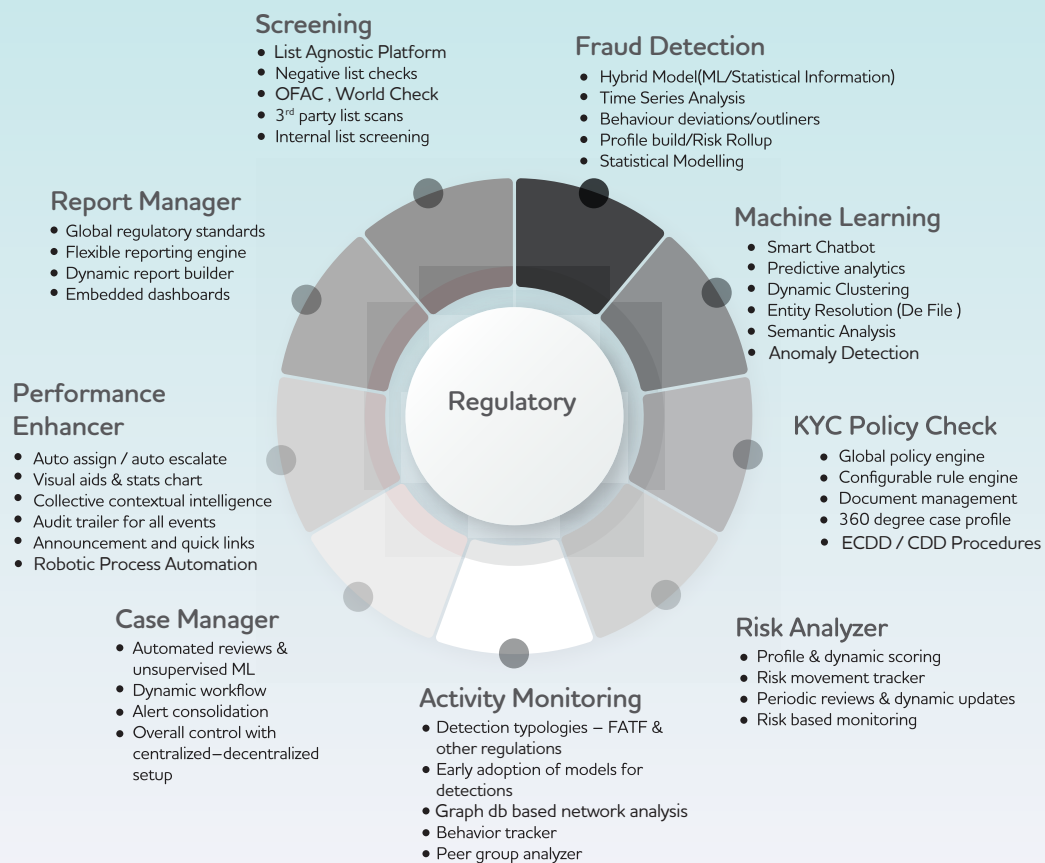
Solution

Quartz for Compliance has been designed on the principles of Anticipate, Transform and Comply, making it easy for both institutions and regulators to monitor and manage financial compliance. Through its shared and trust-based architecture, it provides real-time, secure access to data, helping institutions take charge of their compliance needs in a proactive manner. The solution is supplemented with cutting-edge technology, such as robotic process automation, machine learning and advanced analytics, and comes with comprehensive functional capabilities.

Rated by industry analysts to be amongst the market leaders, Quartz for Compliance is a unified solution that addresses a comprehensive range of regulatory requirements in financial crime. The solution has evolved to keep up with market needs in the AML space and comes with well-defined APIs that allow for quick and easy integration with external sources and third-party systems.

Available in a componentized model, Quartz for Compliance offers the following key features:

- **Early detection of anomalies** – A comprehensive view of all client relationships spanning firms' business lines, enabling intelligent and informed decision-making, and minimizing the risk of financial fraud.
- Comprehensive rules engine, configuration capabilities to support regulatory requirements across various jurisdictions.
- **Accelerated regulatory actions through effortless workflows** – Equipped with a systematically structured hierarchy to investigate cases and then sift, escalate, or reassign them according to the risk involved; attach or add notes, maintaining a definite workfow, all of this with a comprehensive audit trail of each activity.
- **Keep up with the swiftly altering regulatory arena through configurable** business rulebooks that are highly parameterized.
- **Performance enhancer** - Automated and AI-based workflows to enhance case management.
- **Analytical algorithms** to train workflow data, create models, and predict future states.

Regulatory

Screening
- List Agnostic Platform
- Negative list checks
- OFAC , World Check
- 3rd party list scans
- Internal list screening

Fraud Detection
- Hybrid Model(ML/Statistical Information)
- Time Series Analysis
- Behaviour deviations/outliners
- Profile build/Risk Rollup
- Statistical Modelling

Report Manager
- Global regulatory standards
- Flexible reporting engine
- Dynamic report builder
- Embedded dashboards

Machine Learning
- Smart Chatbot
- Predictive analytics
- Dynamic Clustering
- Entity Resolution (De File)
- Semantic Analysis
- Anomaly Detection

Performance Enhancer
- Auto assign / auto escalate
- Visual aids & stats chart
- Collective contextual intelligence
- Audit trailer for all events
- Announcement and quick links
- Robotic Process Automation

KYC Policy Check
- Global policy engine
- Configurable rule engine
- Document management
- 360 degree case profile
- ECDD / CDD Procedures

Case Manager
- Automated reviews & unsupervised ML
- Dynamic workflow
- Alert consolidation
- Overall control with centralized–decentralized setup

Activity Monitoring
- Detection typologies – FATF & other regulations
- Early adoption of models for detections
- Graph db based network analysis
- Behavior tracker
- Peer group analyzer

Risk Analyzer
- Profile & dynamic scoring
- Risk movement tracker
- Periodic reviews & dynamic updates
- Risk based monitoring

Benefits

- Quartz for Compliance is a comprehensive solution for all of an organization's financial crime mitigation needs, ranging from watch-list screening, KYC, anti-money laundering, regulatory reporting and fraud.

- At the core of the solution are a range of utilities covering regulatory compliance, such as Sanctions-PEP-Internal list Screening, KYC verification and due diligence, KYC declaration trackers, risk assessment, continuous monitoring, transaction patterns, behavior, heat maps and peer analyzers, and reporting tools to better combat money laundering and terrorist financing.

- Equipped with intuitive dashboards that provide structured data views, it enables users to attain insights related to customers, accounts, transactions and alert justifications.

- As a list-agnostic solution, it can ingest any number of regulatory or third-party lists and bank-specific internal watch-lists for advanced screening.

- Quartz for Compliance provides a 360-degree trail of customer behavior, covering all the aspects of regulatory compliance in a single view.

Quartz Advantage

Quartz, The Smart Ledgers, are targeted at helping organizations across industries to leverage blockchain meaningfully for their businesses. It redefines how organizations can collaborate in an increasingly connected world and leverage their collective strengths using blockchain technology. The suite comprises **Smart Solutions,** a set of **"designed for blockchain"** business offerings for different industries; the **Quartz DevKit,** a smart contract development kit to enable programming of high-quality code on multiple blockchain platforms; the **Quartz Gateway** for the integration of existing solutions with blockchain ecosystems; and the **Quartz Command Center** that can administer and monitor entire ecosystems. Together, these solutions can help organizations set up truly connected ecosystems that run on blockchain technology, delivering real-time, efficient transaction processing based on a single source of truth on the ledger.

Using Quartz, organizations can:

- Create decentralized architectures that power business ecosystems.
- Automate business processes and functions with Smart Contracts.
- Eliminate data duplication and associated reconciliation issues.
- Ensure data integrity with cryptographic encryption of data, making it immutable.
- Restrict access (private permissioned ledger) to ensure greater security.

About Quartz

Quartz provides foundational technology, tools and business components that harness the power of next-gen technologies including DLT, AI/ML (including GenAI) for organizations across varied industries, including Financial Services, Banking, Supply Chain, Energy & Utilities and eGovernance. Backed by awards from Juniper Research (Gold Winner for Digital Identity Innovation 2024), 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/what-we-do/products-platforms/quartz

About Tata Consultancy Services Ltd (TCS)

Tata Consultancy Services (TCS) (BSE: 532540, NSE: TCS) is a digital transformation and technology partner of choice for industry-leading organizations worldwide. Since its inception in 1968, TCS has upheld the highest standards of innovation, engineering excellence and customer service.

Rooted in the heritage of the Tata Group, TCS is focused on creating long term value for its clients, its investors, its employees, and the community at large. With a highly skilled workforce of over 607,979 consultants in 55 countries and 180 service delivery centers across the world, the company has been recognized as a top employer in six continents. With the ability to rapidly apply and scale new technologies, the company has built long term partnerships with its clients – helping them emerge as perpetually adaptive enterprises. Many of these relationships have endured into decades and navigated every technology cycle, from mainframes in the 1970s to Artificial Intelligence today.

TCS sponsors 14 of the world's most prestigious marathons and endurance events, including the TCS New York City Marathon, TCS London Marathon and TCS Sydney Marathon with a focus on promoting health, sustainability, and community empowerment.

TCS generated consolidated revenues of over US $30 billion in the fiscal year ended March 31, 2025. For more information, visit www.tcs.com