



Tanla at a glance

Our mission is to transform how businesses engage with their customers.



1999

Tanla was founded.
Sustained excellence of 21
years in telecom, managed
by seasoned industry
executives



First

Company to develop and deploy A2P SMSC in India. Got listed on BSE and NSC in the year 2007



800 Bn

Interactions processed annually. Tanla touches over a billion lives carrying mission critical messages for enterprises globally.



~550

World class engineers, developers, sales, and process champions with expertise in communication services

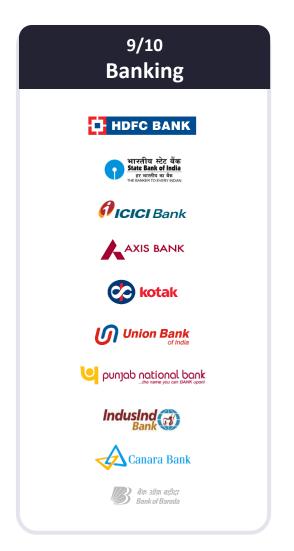


₹1943 Cr

In revenues generated in financial year 2020 and ₹654 Cr in Q3-FY'21



We are the choice for leaders across industries

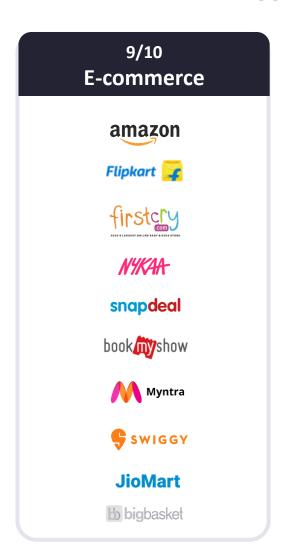




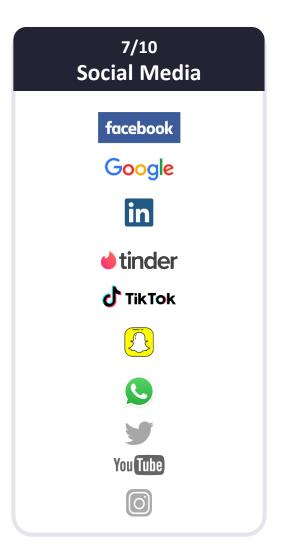




We are the choice for leaders across industries













Defining CPaaS

Communications Platform as a Service (CPaaS) offers APIs that simplify the integration of communications capabilities (for example, voice, messaging and video) into any app, service or business process. (Gartner)



CPaaS helps businesses take an omnichannel approach to their communications



Use CPaaS for messages such as appointment confirmations and reminders, order confirmations, and delivery tracking.



Add a layer of security for your customers with CPaaS by enabling two-factor authentication, OTPs, secure mobile payment information.



Communicate privately with customers and securely share sensitive information like credit card delivery notification, policy renewals, claim updates.



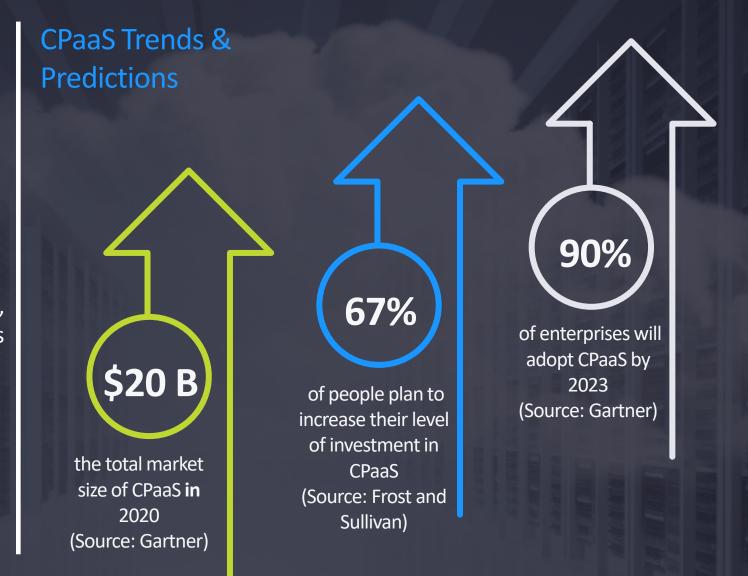
The era of CPaaS

More than 65% of marketers think SMS is an effective tool when compared to other modes of outreach.

The CPaaS market has been growing in the ~33% range when factoring in global expansion, new CPaaS entrants, emerging communications modules and accelerated user adoption.

Globally more than 1 trillion messages are being sent by businesses to their customers every month

Source: Gartner





The era of flux and transformation

Challenges with the existing ecosystem



Data Security

The lack of strong data security controls and protocols allow man-in-themiddle attacks from fraudsters



Data Privacy

Data breaches are common even at the largest enterprises, resulting in loss of revenue and brand reputation



Counterfeits

Regulatory
non-compliance and leakage
of revenue due to
counterfeiting and grey
routes



Intermediaries

Multiple levels of intermediaries between the enterprises and telcos lead to poor quality of service and hamper customer experience

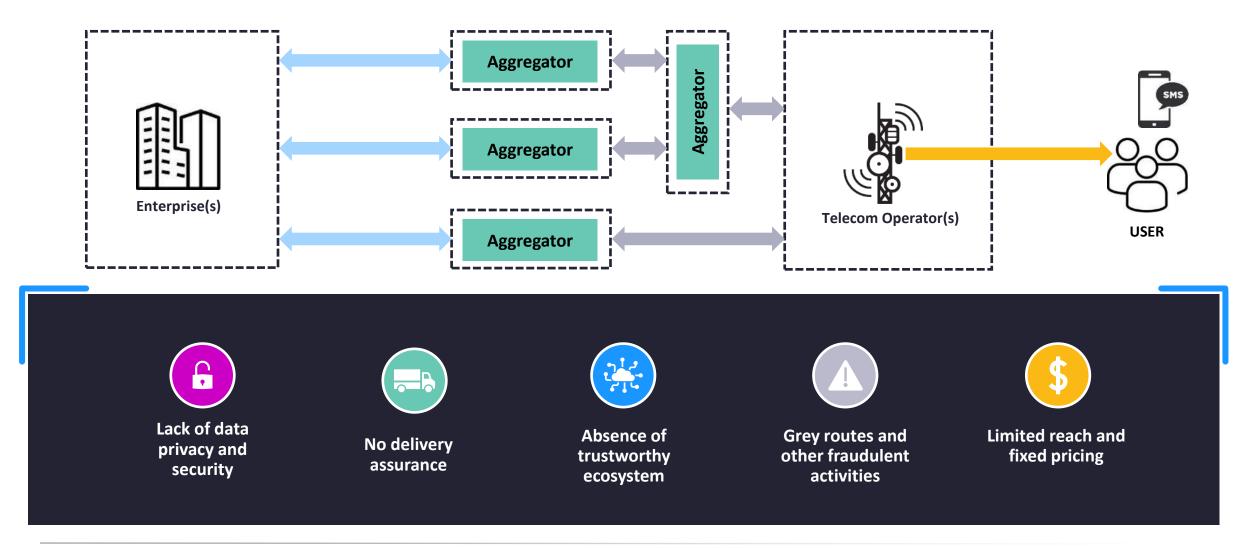


Reconciliations

Data silos and manual processes give rise to billing disputes and lengthen reconciliation cycles



Challenges in the current message flow

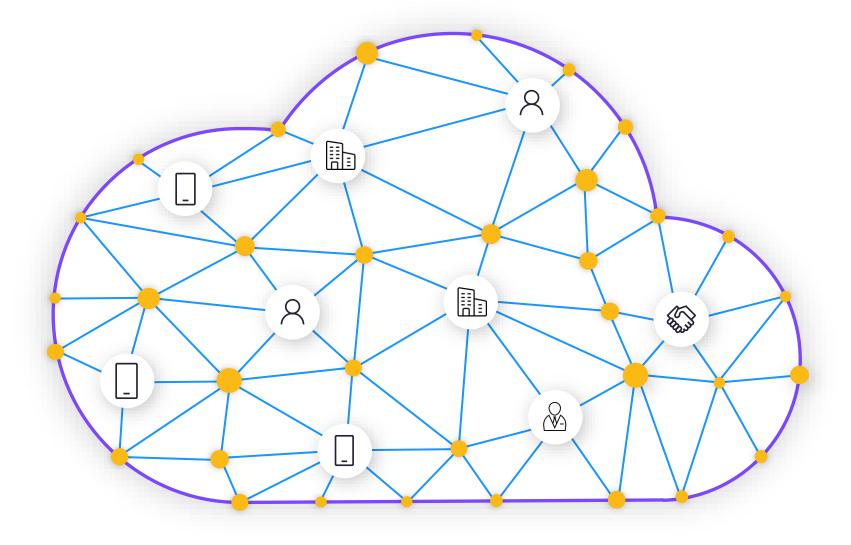






Telcos, **enterprises**, and **service providers** are scattered in the current landscape





Wisely—The intelligent cloud platform for trusted customer experiences



Our Solution Wisely

The world's first blockchain-enabled
Communications Platform as a Service (or CPaaS),
offering a unique marketplace for businesses and
suppliers, with a global edge-to-edge network
delivering private, secure, and trusted
experiences



Trusted **E2E Encryption** Single API **Single Source of** Truth <u>Ø</u> wisely Settlement Marketplace Report A Poriences AI/ML powered Reporting

Smart

Routing

& Analytics

 $\widehat{\mathbf{m}}$

recommendations

Secured

- E2E message encryption
- No intermediaries
- Cryptographic Algorithms
- Privacy by design

Transparent

- End to end auditability
- Single Source of Truth
- Verified, Zero disputes
- No Counterfeits

Intelligent

- Rapid deployment, onboarding, and quicker time to value
- Best in class data insights
- AI-ML Analytics

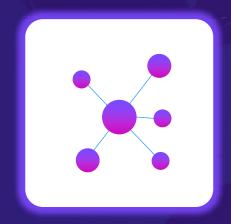
• "As-a-Service" Model

Adaptable

- Cloud agnostic
- Highly scalable
- High availability & redundancy



An edge-to-edge network and a global marketplace



Network

wisely



Marketplace



Wisely Network



The Wisely Network comes integrated with global service providers for omnichannel communication – including SMS, email, voice, RCS, OTT apps, and push notifications – that can be accessed using a single API.

With Wisely Network:

- Communications are no longer transmitted in clear text: users' personal data stays personal.
- Users' personal data is not vulnerable, ensuring protection from fraud.
- Unsolicited communication is never delivered, meaning freedom from spam.
- All communications are received and on-time; be confident that no communication will be dropped or delayed.



Wisely Marketplace



A modern digital platform for commerce where businesses can discover & collaborate with global suppliers for their evolving communication requirements.

The Wisely Marketplace:



With verified buyers and sellers creates an ecosystem of trust.



Uses blockchain to generate zero dispute settlement reports



Empowers suppliers by providing access to global enterprises and bringing increased business predictability and sustainability



Wisely Jointly developed and marketed by





The Microsoft Azure Value





An open, flexible cloud platform that enables you to build, deploy and manage apps across a global network of Microsoft-managed datacenters.

The Azure approach to trust is based on the following foundational principles



Security



Privacy



Compliance



Resiliency



Intellectual Property (IP) Protection



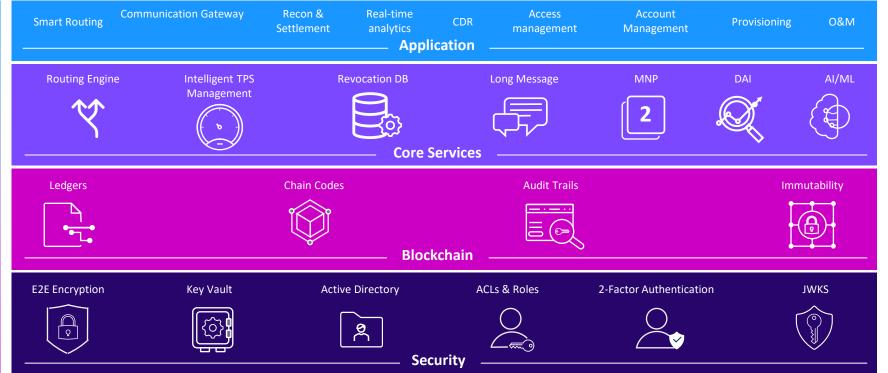


Platform functional overview



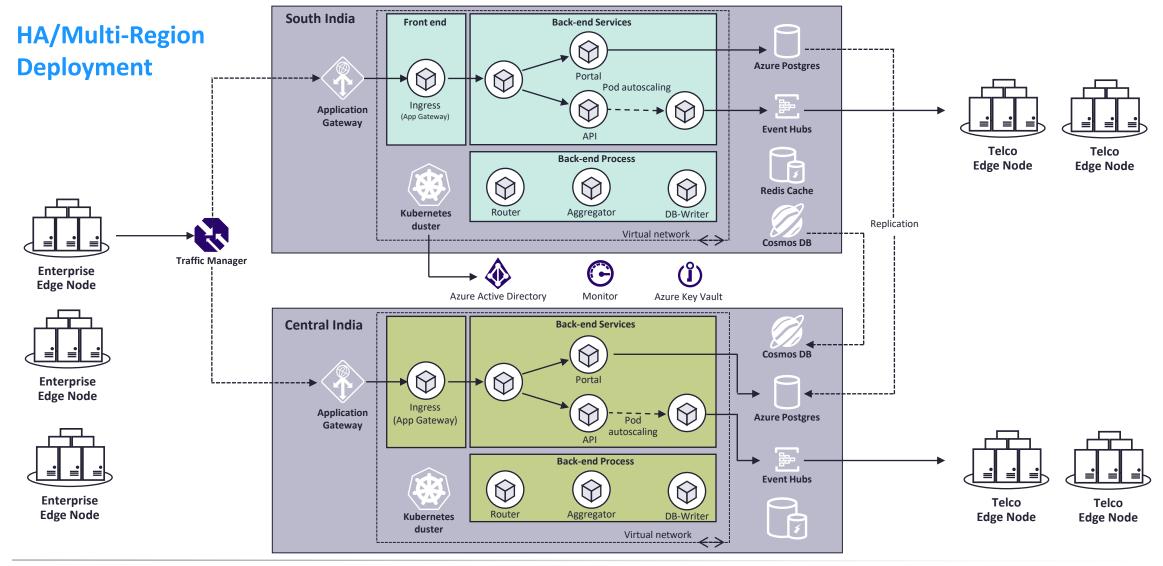


Wisely - An Intelligent Cloud Platform



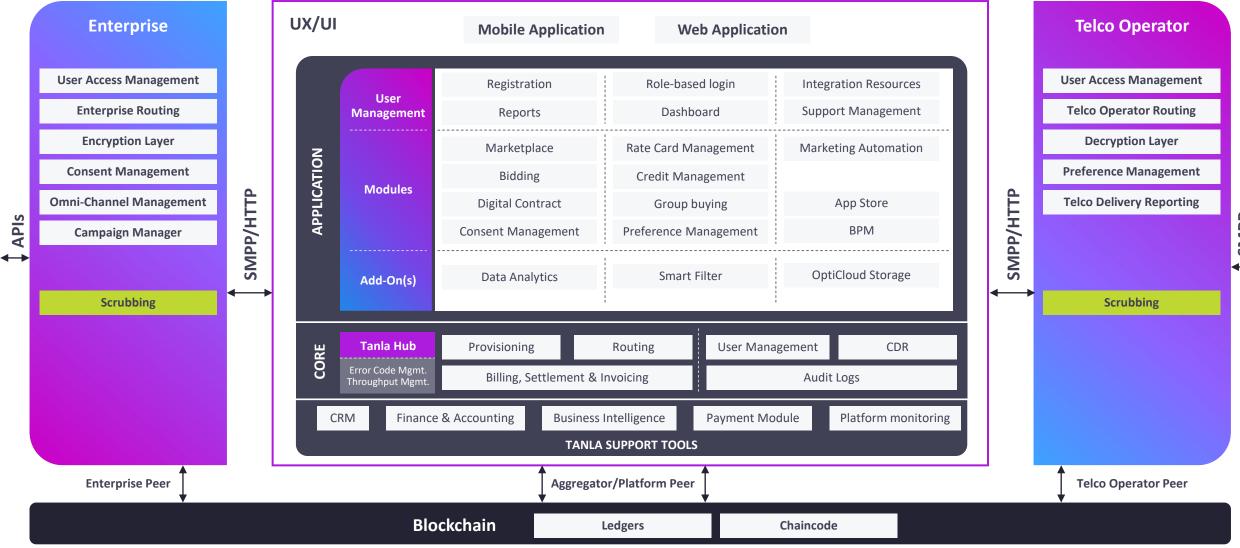


Technical architecture



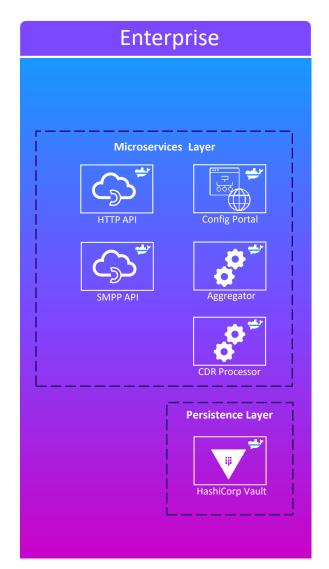


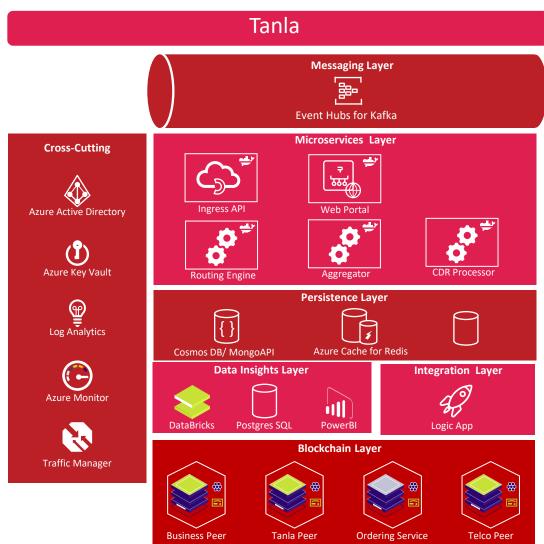
How is it built

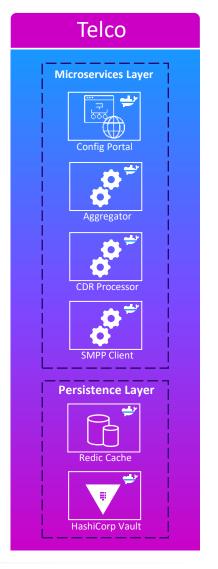




The Tech Stack - layers and components

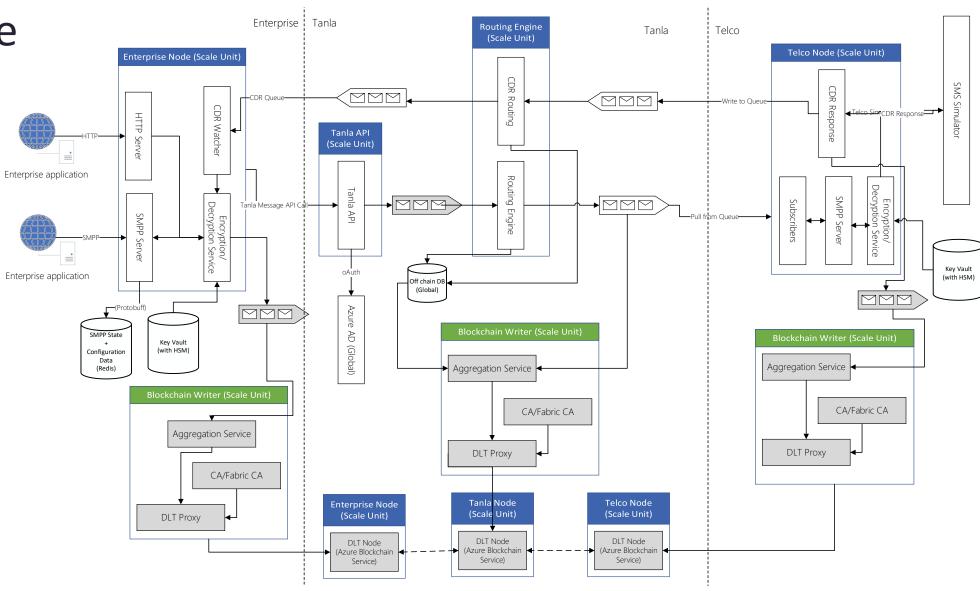






Architecture

diagram

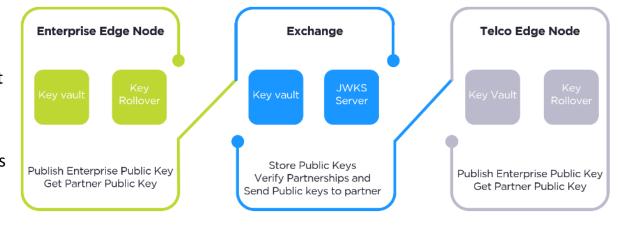




Edge Node

The Encryption Process

- Enterprise edge node and telco edge node shares public keys to the Exchange. The Exchange then sends the partner public keys to the corresponding edge nodes for encryption.
- All messages from Enterprise edge node are encrypted and decrypted at the telco Edge node.
- The encryption happens on asymmetric public and private key pairs that rollover based on time configured
- The key length is AES 128 with RSA 2048 encryption technique
- The data at rest does not include message content however meta data is stored, therefore ensuring highest level of privacy of information.
- The encryption method also factors forward and future secrecy since the keys are rotational.









Secured with end-to-end encryption









End-to-end encryption

The platform provides fully managed end-to-end secured network with state-of-the-art encryption powered by patented cryptographic algorithms to prevent fraud.

Data privacy

Privacy is built into the core architecture and functionality. Platform ensures data privacy by allowing direct connectivity with no intermediaries and using cryptographic algorithms.

Data security

Wisely provides secure communication through forward secrecy, future secrecy, sender validation, message replay and certificate revocation list management that allows only authorized users to access data.

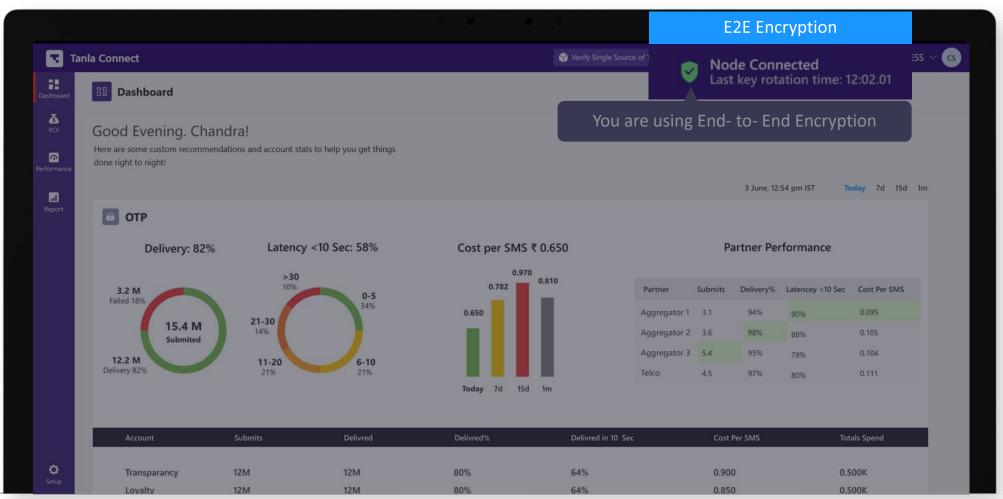
No access to message content

Wisely does not have access to message content as the message is encrypted. The platform uses meta data for processing and reporting.



End-to-end encryption using Cryptographic Algorithms

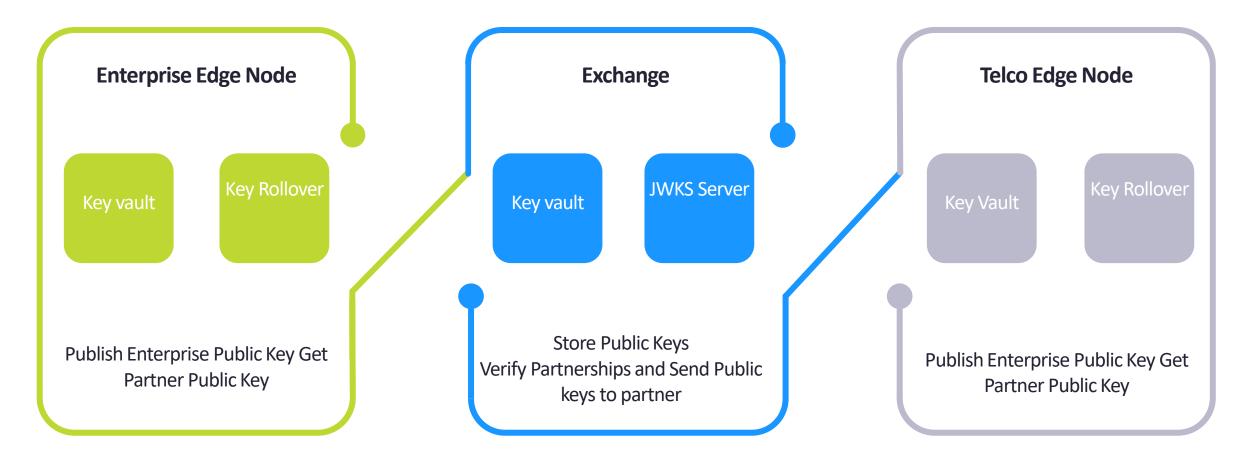
Audited by World's leading Cryptographic company, nccgroup





Data security and privacy

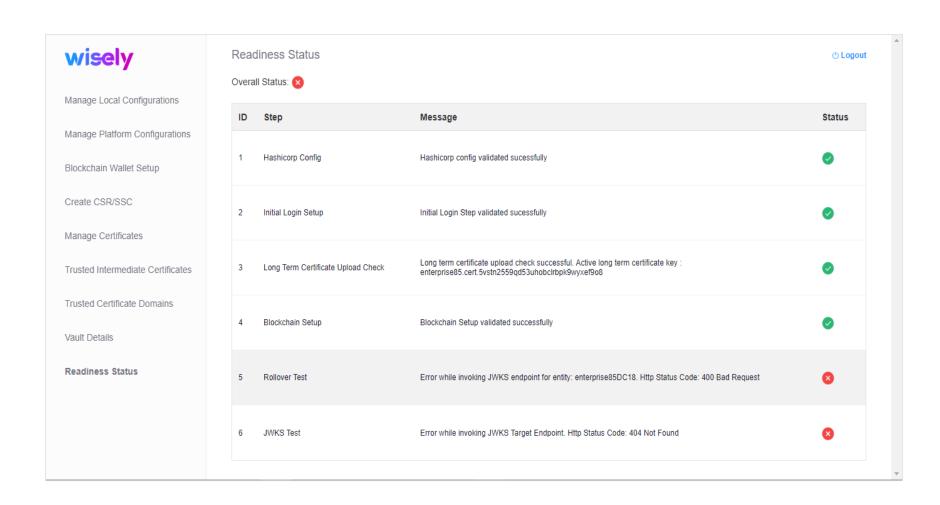
Encryption process





Data security and privacy

- ✓ Secure connectivity via Edge node
- ✓ Configuration of TTL for your Key
- ✓ Setup blockchain traces for audit
- ✓ Manage certificates on JWKS
- ✓ Verify partner key fetch





Powered by Blockchain









Single source of truth

"Centrally Available"
communication records written
into Blockchain by stakeholders
which provides accurate
information about the status of
the communication.

Eliminates counterfeit

Wisely enables a trusted network ensuring no counterfeit call data records/DNs are generated by intermediaries as all records are written into the blockchain by telcos bringing immutable recording and complete transparency.

Zero dispute reports

Wisely verified, zero dispute settlement reports generated from blockchain ledgers to enable settlement with your partners/suppliers.

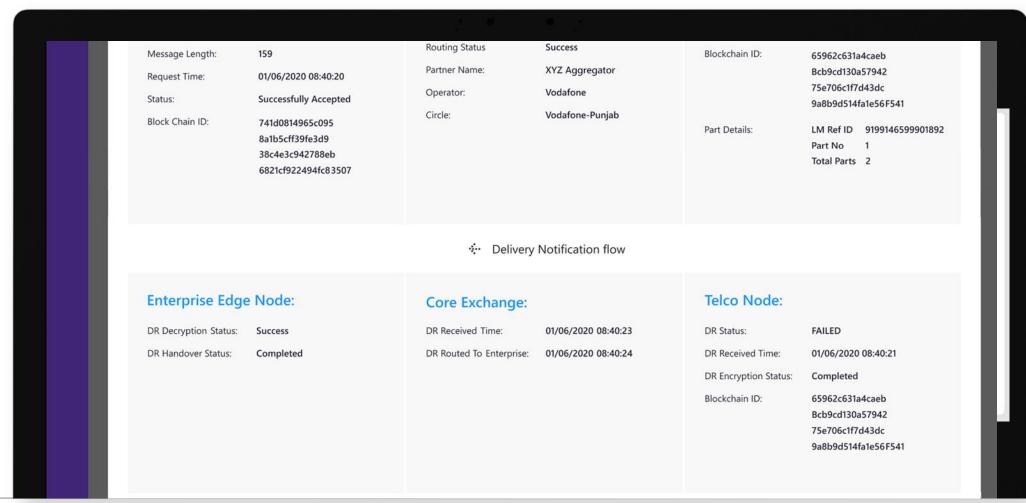
Compliance

Designed to be fully compliant with your local telecom regulations and data protection laws. Ensuring your communications comply with legal obligations.



Single Source of Truth

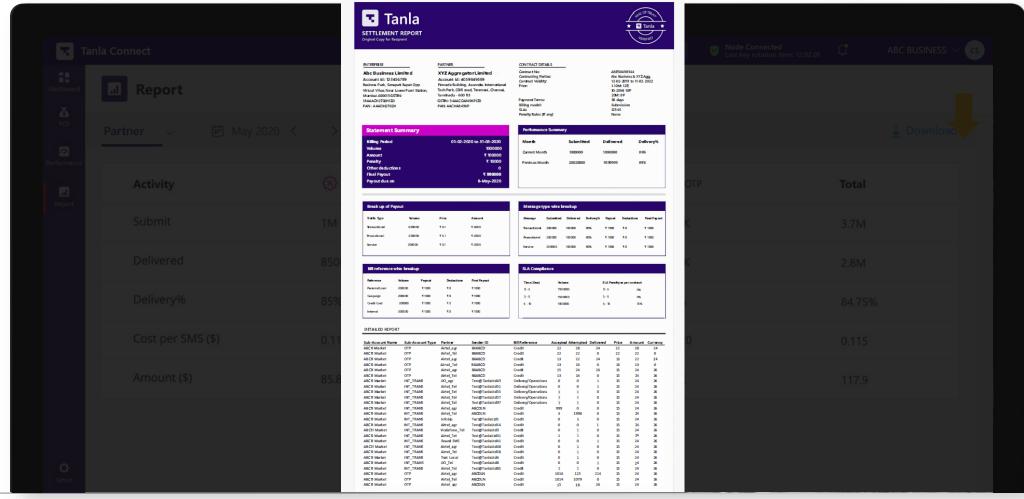
Every transaction is recorded on blockchain and available to participants in real-time





Single Source of Truth – zero dispute settlement reports

Verified settlement reports generated from ledgers on the blockchain





Built for the Cloud



Cloud-platform agnostic

Wisely can be deployed over any public or private cloud platform.

A flexible deployment model ensures you can use Wisely on the Cloud, or on-premise with an option for a fully managed model using our DevOps expertise.



Elasticity and scalability

Wisely uses multiple platform as a service components over the cloud to ensure core services are highly elastic and capable of scaling horizontally for any size of workload.

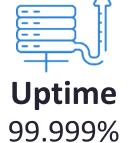


High availability

Wisely has been engineered to be a multi-region, multi-cloud setup geared for high availability and redundancy.



Best in Class QoS







15 SMSCs











Cutting-edge analytics



Advanced analytics capabilities

Packed with next-gen technology, Wisely comes equipped with advanced analytics that provides value-additive recommendations and predictions that reduce costs and improve Quality of Service.



Intelligent insights

Powered by Power BI, the bestin-class data visualization tool, Wisely dashboards make it easier for you to find the needle of insight in the haystack of data.



Real-time dashboards

Get access to deep network analytics, insights on traffic trends, ROI, campaign performance, and more, all in real-time.



Reporting & advanced analytics

Key performance indicators, value-based recommendations to reduce cost and improve QoS





Analytics & Storage as a Service



Storage as a Service

- ✓ Unlimited SSOT records
- ✓ Unlimited CDR storage
- ✓ Unlimited Summaries
- ✓ Build your own reports



Out-of-the-box

- ✓ SSOT available for 65 Days
- ✓ CDR data available for 65 days
- ✓ Summaries for 6 months



Customer references









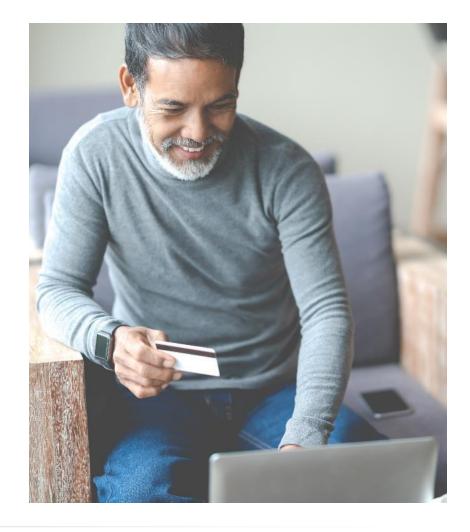








ABC Customer Banking









Product Road Map and Upcoming Features (Placeholder)



Business journey map









The Wise Team







Appendix

