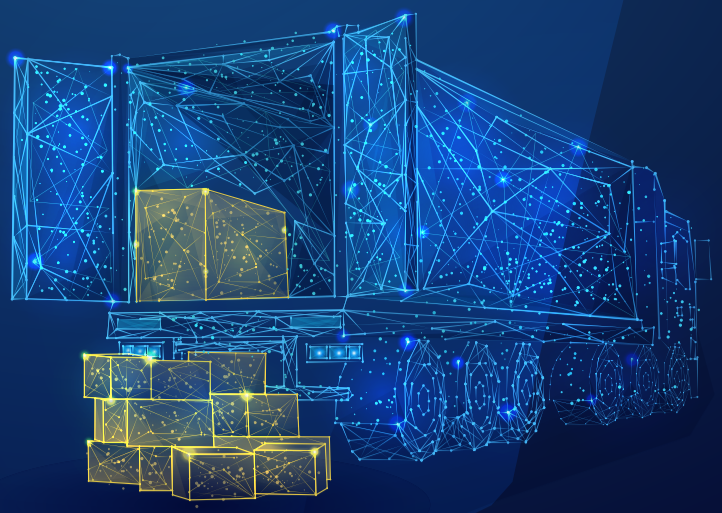
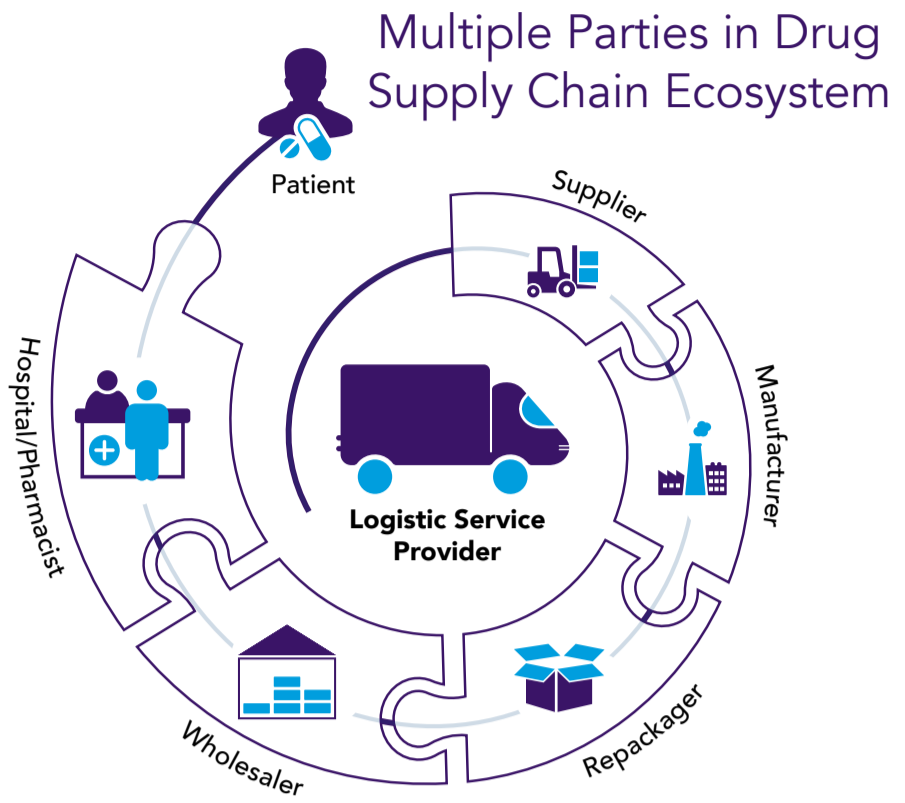


Blockchain for DSCSA Track and Trace Compliance

Building intelligent, transparent drug supply chains using Blockchain



The pharmaceutical industry is riddled with challenges related to data accuracy, adhering to Drug Supply Chain Security Act (DSCSA) requirements, and transparency affecting clinical trials, supply chains, and counterfeit drugs. Blockchain technology is poised to rewrite the rules of competition in the pharma industry, bringing greater transparency, security, and efficiency to processes.



DSCSA Compliance Requirements

Interoperability & Saleable Returns Requirement (Deadline – November 27, 2023)

- **Fully serialized U.S. pharma supply chain** (Individual/aggregated serials vs lot-level serialization)
- **Product tracing** (Individual drug product tracing vs lot tracing)
- **Verification for saleable returns** (Product Identifier (PI) based verification – NDC, EXP, S.No, Lot No.)
- **Authorized trading partners tracking and validation** (DID, W3 standard)

Why Blockchain in DSCSA - Track & Trace?

Source of Truth (Immutable) of Drug Product Information & Authorized Trading Partners

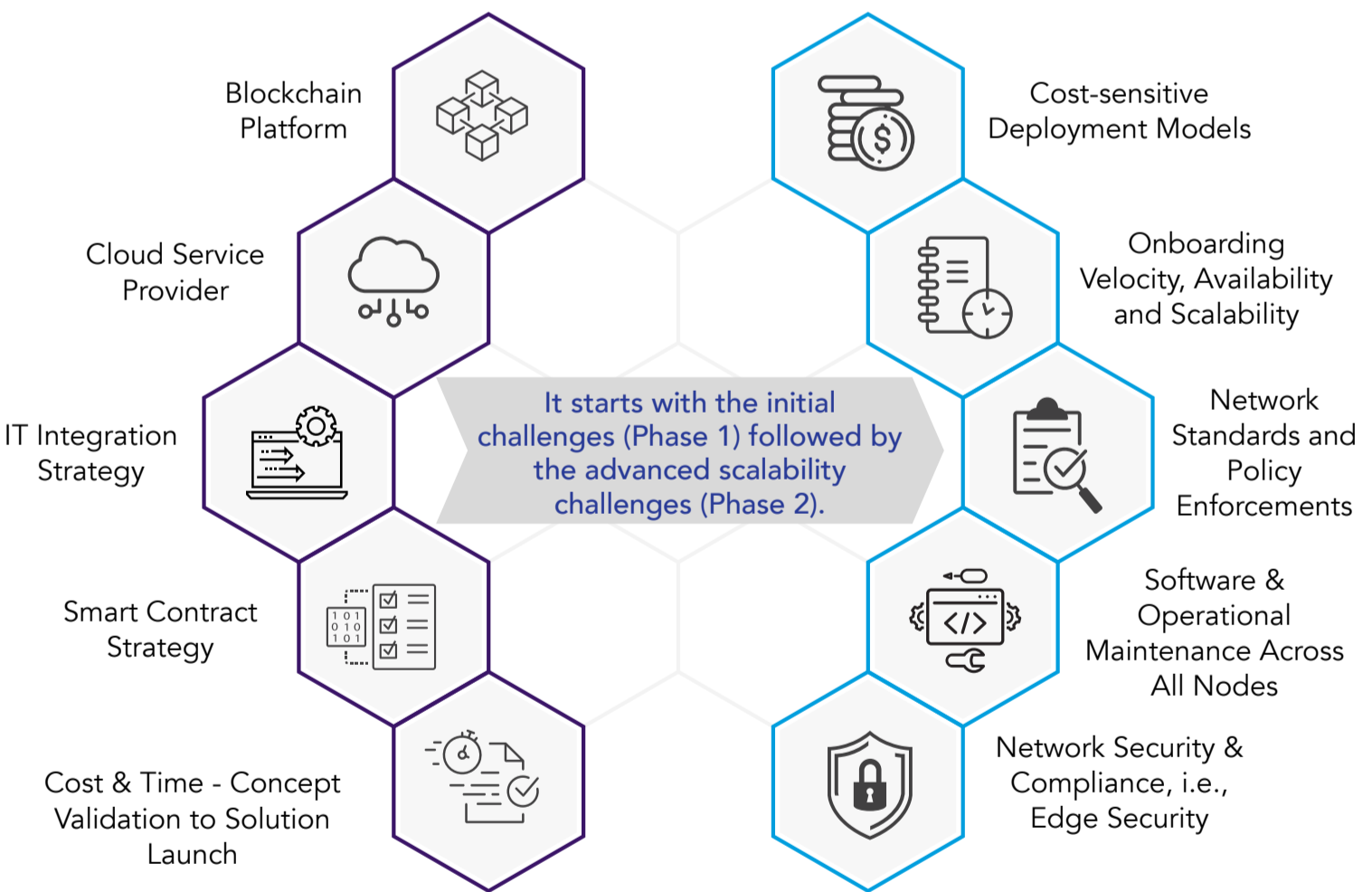
Validation of Saleable Returns

Extension of Product Tracing and Validation

Challenges in Building and Scaling Blockchain Networks

Phase 1: Making Right Choices

Phase 2: Scaling the Network



Key Aspects of Accelerating Blockchain Adoption

How to accelerate blockchain adoption with all the above challenges and make the technology portable to all the parties? Organizations should concentrate on the following key areas that include automation of infrastructure-related elements, various integration models into the framework, and an iterative approach for rapid blockchain adoption.

1 Infrastructure & Network Automation



2 Standardized IT Integration Models



3 Iterative Adoption



Now it's time to realize the full potential of blockchain and transform your drug supply chain at scale. No matter where you are on the blockchain journey, our experts can help you take the next step.



Reinforcing Healthcare Progress™

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