



## Supply Chain Solutions on Amazon Managed Blockchain

The supply chain is an industry where several global leaders play together in a different role and dispatch goods to consumers. Typically, traditional supply chains use paper-based and rambling data systems that lead to information silos with the additional time-consuming task of tracing the goods. Lack of transparency and traceability of goods are major challenges faced by all the leading industries resulting in delays, errors, and increased operational costs. Modern supply chains need a single source of trust, to verify different types of transactions in an end-to-end supply chain ecosystem

Amazon Managed Blockchain(AMB) can help businesses to implement blockchain in their end-to-end supply chain ecosystem, by enhancing transparency, and with real-time tracking and tracing of goods from one stakeholder to another. Each stakeholder can be a member of this distributed and decentralized ledger with real-time tracking of all information related to the movement of goods from source with a timestamp, entry and exit details at the port, to the volume of goods received at the destination

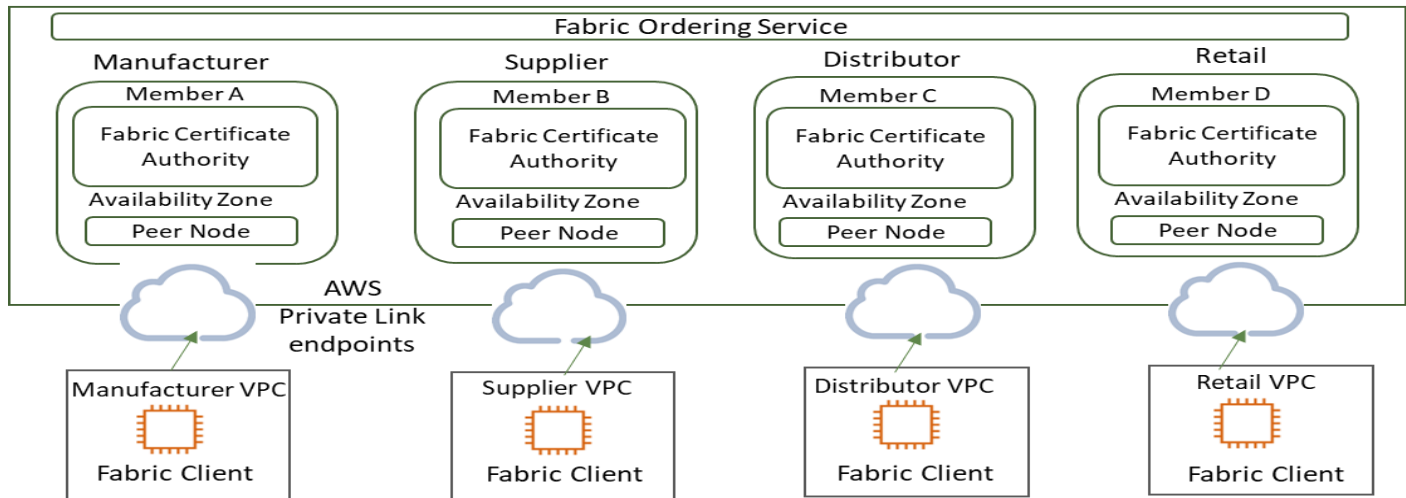
### TechM Solutions on Amazon Managed Blockchain

<b>Aviation &amp; Aerospace</b> Kit Management	<b>Telecom</b> Outbound Logistics	<b>Healthcare</b> Medical Material Track & Trace
<ul style="list-style-type: none"> <li>Kit tracking across the supply chain enables track and trace of the kits (software and hardware parts) as they are procured from multi-tier suppliers</li> <li>Blockchain digitizes each kit onto a digital asset which is serialized and can be tracked in real time through a QR code or RFID scanner</li> </ul>	<ul style="list-style-type: none"> <li>Enables the telco to determine the Expected Time of Arrival (ETA) of telecom equipment to the customer – Involves Telco, Warehouse, and Logistics Service Provider</li> <li>Key benefits include single source of truth, decreased cycle time and reduced operating costs</li> </ul>	<ul style="list-style-type: none"> <li>Leverages Blockchain technology, supported by IoT and powered by AI to facilitate B2B transactions through inter-organizational workflows</li> <li>Platform has <b>14+ out of the box workflows</b>, which can be customized as per customers' needs</li> </ul>

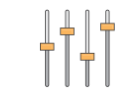
### Key Benefits

- Single source of trust, thereby resolving the issue of accountability and transparency
- Improved supply chain efficiency by providing dashboard access to vendors
- Real-time availability of assets and easy reverse logistics in case of returns
- Reduction in man-hours spent on tasks like retrieving data and matching documents
- Ability to identify fraudulent assets introduced across supply chain

## Typical Amazon Managed Blockchain Architecture



## Features of Amazon Managed Blockchain



### Fully managed

Blockchain network is created in minutes



### Reliable & scalable

Backed with Amazon QLDB technology



### Low cost

Only pay for resources used



### Open-source variety

Support for Hyperledger Fabric & Ethereum



### Decentralized

Network is democratically governed



### Integrated

Other AWS services integrated

## Other Industry Use-Cases and Applicable Industries

### Additional Use Cases

- Tracing Counterfeit Parts across Supply Chain
- Ethical Sourcing and Authenticity of Materials
- Inventory Track and Trace
- Provenance of Goods and Agri-Products from Farm to Fork

### Key Industries

Manufacturing & Chemical  
Healthcare  
Oil & Gas  
Food & Beverage  
Aviation & Defence  
Agriculture & Mining

## Why Tech Mahindra?

Tech Mahindra represents the connected world, offering innovative and customer-centric information technology experiences, enabling Enterprises, Associates and the Society to Rise™. We are a USD 5.2 billion company with 125,200+ professionals across 90 countries, helping 973 global customers including Fortune 500 companies. Our convergent, digital, design experiences, innovation platforms and reusable assets connect across a number of technologies to deliver tangible business value and experiences to our stakeholders. Tech Mahindra is the highest ranked Non-U.S. company in the Forbes Global Digital 100 list (2018) and in the Forbes Fab 50 companies in Asia (2018).