



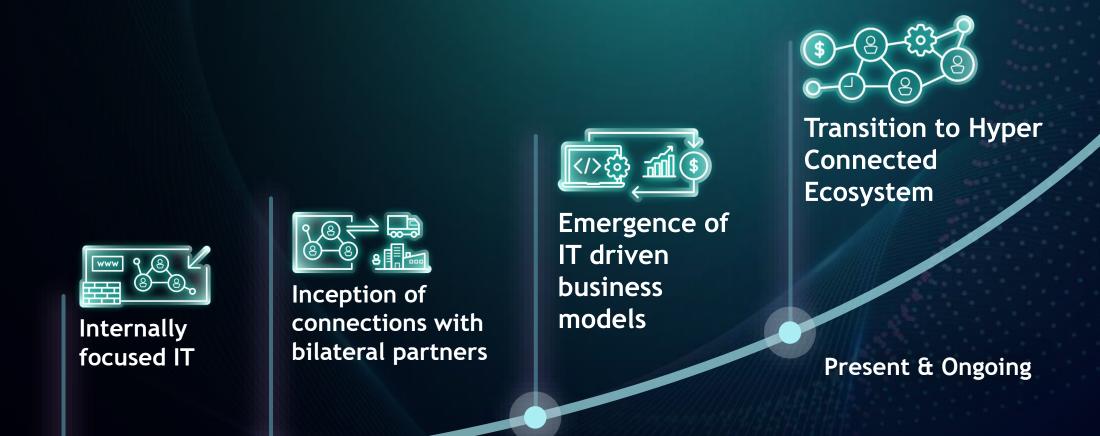
HYPERCONNECTED ECOSYSTEMS

EMERGING CHALLENGES

ROLE OF A COMMTECH COMPANY



THE WORLD IS GOING FROM CONNECTED TO HYPER CONNECTED



Early 2000s

Late 20th Century



WHAT ARE THE CHARACTERISTICS OF A HYPER CONNECTED ECOSYSTEM?







Always ON -Anywhere ON



Seamlessly Collaborative



Intelligent & Always Learning



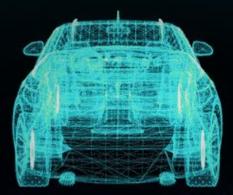


HYPERCONNECTED ECOSYSTEMS: CHANGING AUTO BUSINESS MODELS (OEMS TO MOBILITY SERVICES PROVIDERS)

CASA trend necessitating "hyperconnected-ness" for enabling a V2X Ecosystem



Connectivity



Alternate
Drive Trains





Shared Mobility

Advanced Driver Assistance Systems





INDIAN FINANCIAL SECTOR - AN EXAMPLE OF HYPERCONNECTED ECOSYSTEM



Hyper Connected Ecosystem

DIVE (Digital Integration for a Value Driven Hyperconnected Ecosystem) Trend accelerating the percolation of Hyperconnected Ecosystems

- **D**igital Identity
- Instantaneous Payments, Transactions, Commerce facilitation
- Verification & Security
- Efficiency/ Empowerment



EMERGING CHALLENGES - DATA AND APPLICATIONS IN ISLANDS



75% of CIOs

find difficulty balancing innovation objectives with operational excellence¹

Integrating gen Al,

requires massive amounts of computing resources, data storage and networking bandwidth²





Data and Applications in Islands



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Integrating gen AI,

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Cost Ballooning In -Efficiencies

Inhibits Innovation Security



EMERGING CHALLENGES - CUSTOMER EXPERIENCE AND INTERACTION CHALLENGES



94%

respondents of the survey believe consistently delivering positive customer interactions key to business success 6/10

acknowledge that their businesses are unable to do so!



Fragmented channels

Lack of collaboration across teams

Data islands leading to siloed and disorganised customer data



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Customer Experience and Interaction Challenges



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EMERGING CHALLENGES - INTERNET OF VULNERABLE THINGS

Cyber Security

IoT Vulnerabilities Unveiled: Securing Your Enterprise in an Age of Attacks

IoT devices

are typically attacked within five minutes of connecting to the internet¹

29 Bn

IoT devices by 2030, doubled from 15Bn in 2020²



CHALLENGES

OT and IT integration challenges

IoT devices susceptible to exploitation



Data and Applications in Islands

ECONOMIST TATA IMPACT COMMUNICATIONS Building a strong digital foundation to tackle modern business challenges How a comprehensive strategy can help CIOs integrate new technology, overcome data silos and set the stage for future growth

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94%

Harvard Business Review

respondents of the survey believe consistently delivering positive customer interactions key to business success

Business Review Analytic Services

Redefine

customer interactions.

♦ Improve

business outcomes.

An exclusive Thought Leadership Report by Harvard

6/10

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6th August 2024

Lack of collaboration

across teams

1

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Security



CHALLENGES

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CHALLENGES

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WHAT IS THE NEED OF THE HOUR?

Uncomplicate & Innovate!



Find ways of reducing complexity



Infra easily consumable through applications



Capability to deliver endto-end great performance





OUR DIGITAL FABRIC IS HELPING ENTERPRISES BECOME DIGITAL FIRST

CUSTOMER'S OWN SUITE OF APPLICATIONS



APIs



Delivering
Connected Infrastructure

Enabling
Connected Experiences

Delivering Connected Solutions

End-To End Visibility and Management through TCX

DILISA* enabled analytics and reporting

Network Fabric

Cloud & Security Fabric

Interaction Fabric

IoT Fabric

