

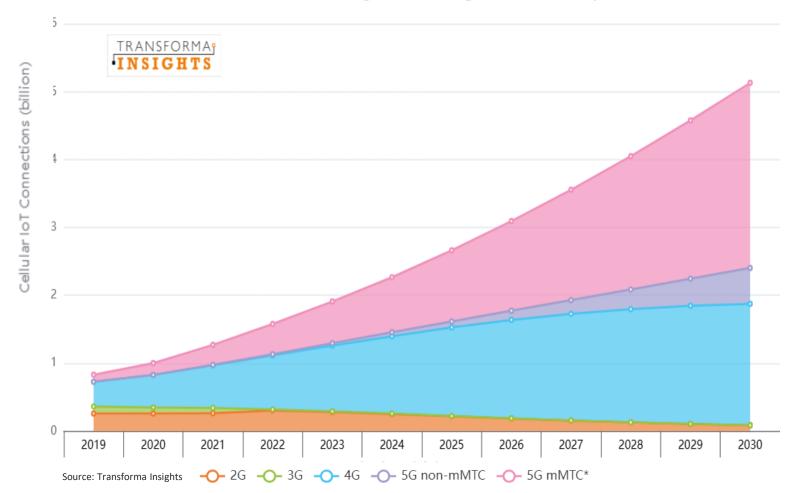
Objectives for today

Learn strategies to grow your IoT business profitably





Cellular IoT connections growing to 5B by 2030



Across a wide variety of industries and use cases



Connected Car

Auto makers are making driving safer through vehicle telematics and adding new revenue streams

High data usage, low latency, complex SIM lifecycle management



Financial Services

Financial organizations are getting scale and reliable service for PoS and ATM systems

Mission-critical connectivity, low latency



Smart meters

Utilities are saving costs and improving customer service with smart electric meters

Low data usage, low reliability, high latency



Asset management

Retailers are monitoring the health of their machines and servicing them faster

Low data usage, low reliability, high latency

Running a sustainable IoT business is challenging



Downward ARPU/MRR pressure Lower profitability



Scarce IoT resources
Slow technology adoption and innovation



Current platform limitations Low performance at scale, low agility



Rigid legacy systems

Operations, customer service,
account management

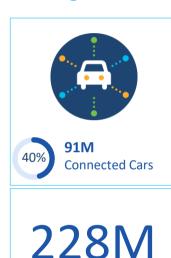


Poor customer experience Service reliability, customer credits



Leading IoT Use Cases and Cisco's business snapshot

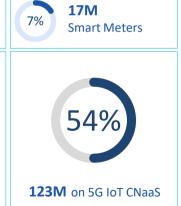
Driving real world impact at scale

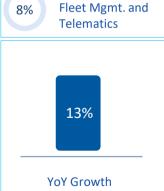


IoT Subscribers

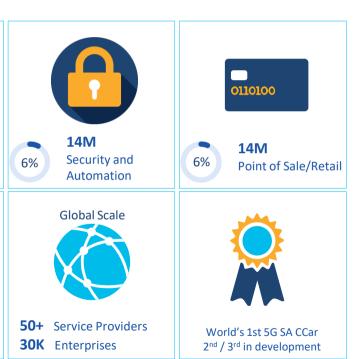
3B events / day

15TB data / day





19M



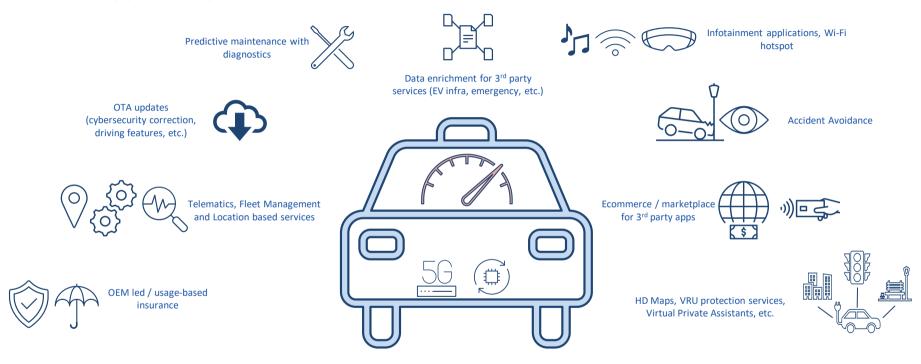
Cisco IoT Control Center

An engine for innovation, growth, and profitability



Connectivity is enabling a broad range of experiences

This is an opportunity for Service Providers as well as OEMs

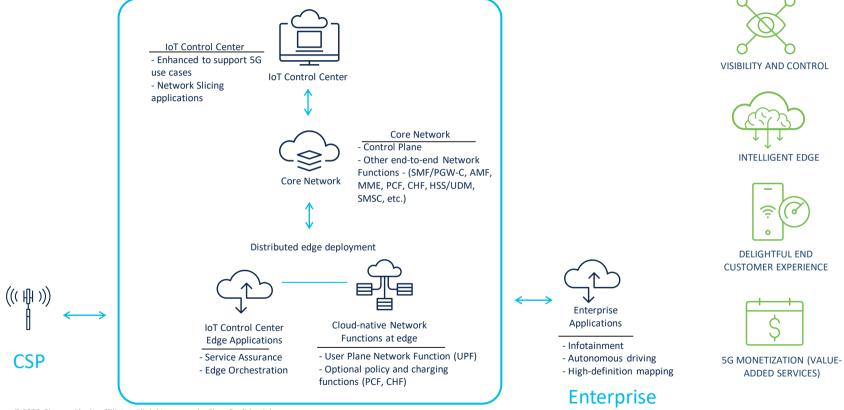


Safety and Security, Behind the scenes Telematics

Consumer Experiences

Cisco's full stack 5G service

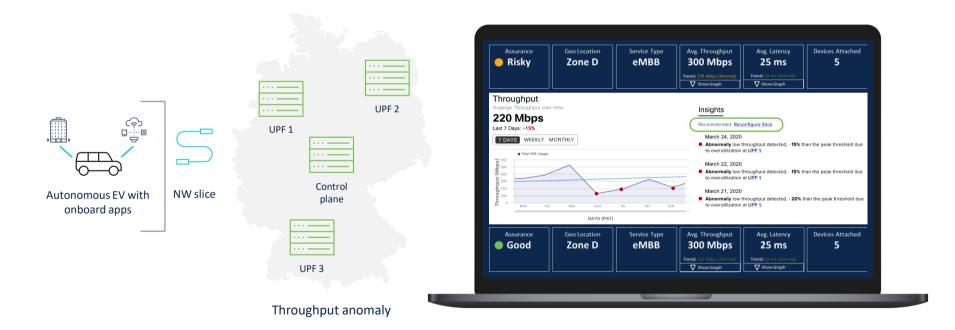
Enabling IoT deployments with agility and low risk



Cisco

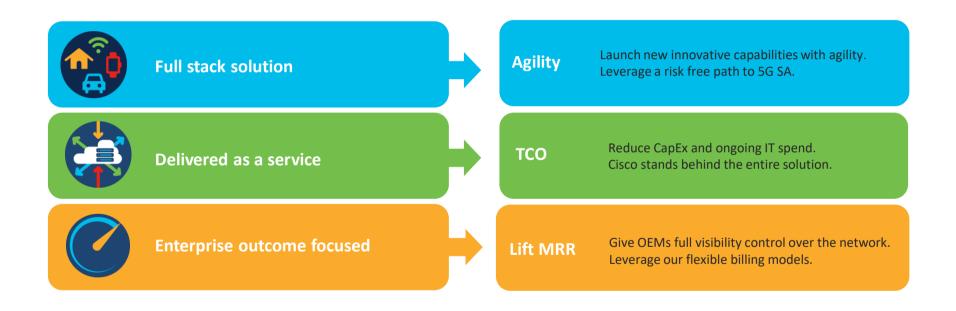
Support diverse 5G applications with slicing and edge capabilities

Dynamic network slicing is available with IoT Control Center today



Key benefits to SPs and enterprises

Enabling 5G IoT services with agility and low risk

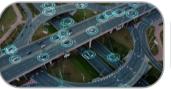




IoT connectivity is spreading globally

This is driving the need for carrier flexibility











Automotive

Localization flexibility in the supply chain

Asset tracking

Roaming charges contribute to high total cost of ownership

Smart meters

Expensive trail-anderror methods by technicians to identify the most suited SP esp. in rural areas Fleet management

Fleet management solution providers lack the ability to configure post deployment

SD-WAN

High end routers need several hours of staging to configure SP

Leverage the eSIM Opportunity

Monetize global OEM deals



Monetize inbound and outbound swaps

Acquisition bounties

Resale arrangements

Serve OEM use cases





Fleet Mgmt.



Asset tracking

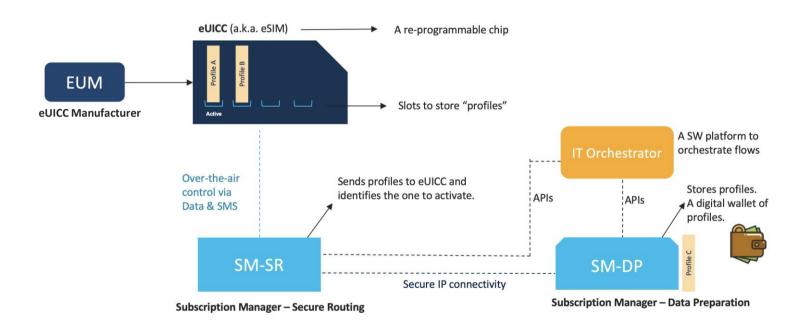


Smart meters



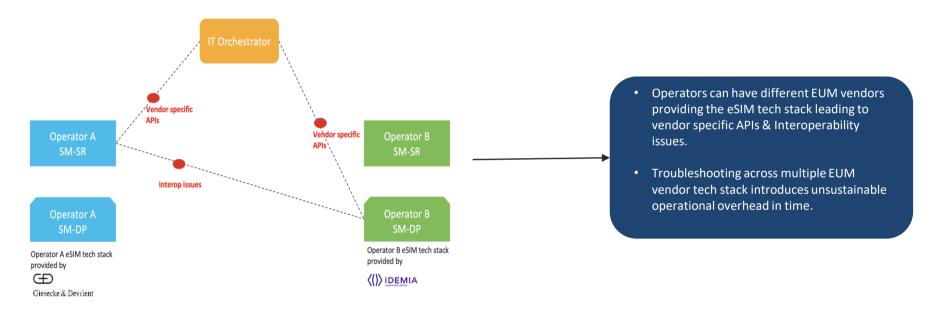
eSIM architecture and components

A quick crash course



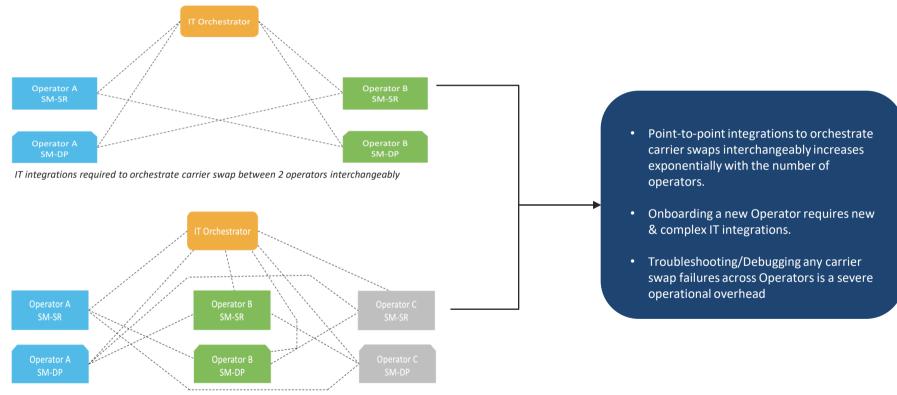
Industry Problem with eSIM for IoT

Complexity and Interoperability issues



Industry Problem with eSIM for IoT

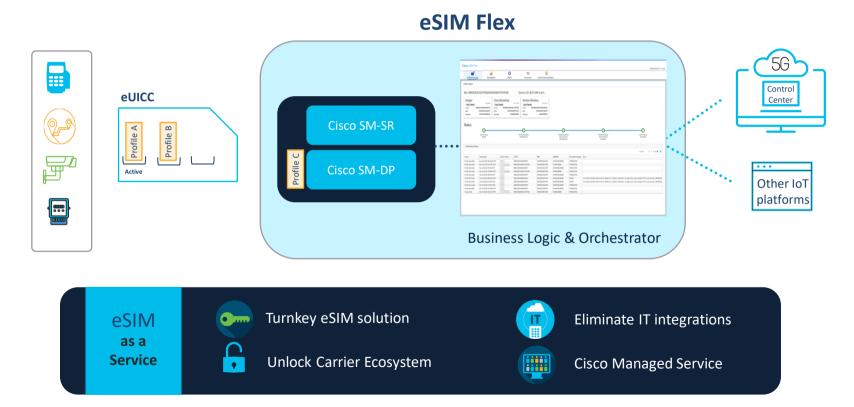
IT integrations and operational overhead blow up quickly



IT integrations required to orchestrate carrier swap between 3 operators interchangeably

Cisco eSIM Flex architecture and benefits

Accelerating time to value from 6 months to 6 weeks

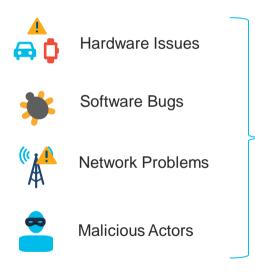




Reactive support undermines customer satisfaction

Issue detection must be autonomous

Enterprise informs SP of a problem !! Result = billing credit !!



Enterprise Impact

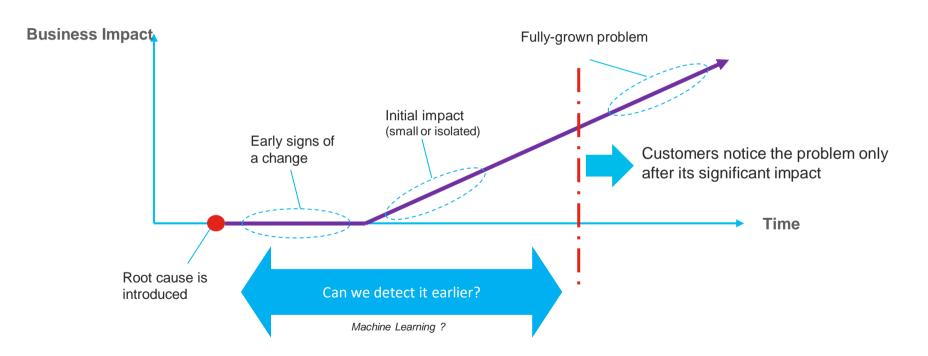
- Service interruption
- Revenue loss
- Increased operational costs
- Liability

Service Provider Impact

- Low customer satisfaction
- Escalations and credits
- Increased support costs
- Account churn

Detecting problems early is the key

Losses compound quickly if problems are detected too late



Drive down costs with AI/ML and automation

Harness massive amounts of IoT data

IoT deployments at massive scale Control Center Dataset 50+ SPs WW 10+ Major Vertical | 3B events / day | 15TB data / day



Connectivity Behavior Session length, frequency, duration etc.

Consumption Behavior Usage patterns, roaming, excessive usage

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The Cisco difference

We are the market leader with cellular IoT

Our global experience, reach, and track record of success are second to none. We connect more devices and connected cars for more enterprise customers than any other platform on the planet*.

We understand your business better

With our scale and reach, we have the most comprehensive understanding of the market and your needs. From the complexity of connected cars to the massive scale of smart meters, Cisco has helped over 32,000 businesses in every industry grow their cellular loT business.

We are constantly innovating

At Cisco, we are solving tomorrow's IoT challenges today to give you the competitive edge to focus on what matters most—growing your business.





Enterprise demands are shifting with pervasive, global connectivity

Service Providers are responding to several fundamental shifts



Full control over the network



Distributed cloud native applications



Carrier portability

Enterprise demands

SP's financial structure needs to evolve

- Offset ARPU decline by monetizing new IoT applications
- Focus needs to be on selling outcomes for end to end use cases
- Cost structure will need to leverage as a service economics

SP implications

Why Cisco Mobility Services

Leveraging our scale and investing for the future



Accelerate Time to Value

IoT delivered as a service accelerates TTV from years of integration down to months.

Serve global OEMs with our eSIM Flex technology and ecosystem, within weeks.



Manage TCO

Our as a service approach dramatically cuts down your IT spend and capex investment.

Help your enterprises manage TCO and curb anomalous device behavior with AI/ML.





Focus on scaling your IoT practice rather than on IT integrations with our full stack offer

Monetize your investments and enable a non disruptive evolution to 5G SA.