Digital Business Marketplace Catalyst Project Showcased at Digital Transformation World

London - May 9, 2019. TM Forum today announced the collaborative rapid prototyping proof-of-concept Catalyst project called the Digital Business Marketplace at Digital Transformation World in Nice, France.

CSPs are under increasing pressure to offer a rich set of products and services from an ecosystem of partners, all as self-service. This BT-led TM Forum Catalyst project identifies the business & technical barriers that are easily resolved using an industrialised TM Forum solutions approach to deliver the capabilities required for the 4th Industrial revolution.

The Digital Business Marketplace Catalyst demonstrates a digital B2B2X marketplace approach, where traditional companies can onboard and digitise their existing products and services, and in this Catalyst cycle, take advantage of applying commercial IoT at scale, including the secure, zero-touch establishment and in-life management of millions of devices and with frictionless trading deliver new partner combined capabilities and offerings, delivering new revenues.

The Catalyst demonstrates the benefits of a fully automated end-to-end life-cycle process for IoT devices and other related services that involve each of the partners in the marketplace. For example, the benefit of replacing the manual effort currently required to connect, attestate, bootstrap and manage 3 million devices, is a saving of 500 person-years of work! Additionally the catalyst resolves the security concerns associated with manual provisioning and the additional effort required to provide in-life device management, as well as the need for a scalable automated cloud based solution.

The champions of the Digital Business Marketplace Catalyst are BT, Deutsche Telekom, NTT and T-Mobile. Having four champions in this catalyst highlights the size of the opportunity for CSPs to continue developing their capabilities beyond basic network connectivity. The champions have been working with the participants – in this case, Agile Fractal Grid, BearingPoint//Beyond, Digiglu and Intel – to develop rapid-fire solutions to the challenges, something that typically takes three to six months, but, exceptionally, in this case, just two months.

BT’s Research team have leveraged Intel’s Secure Device Onboarding (SDO) technology. SDO uses silicon ‘hardware roots of trust’ as the foundation of the secure onboarding process. BT has innovated a suite of zero-touch technologies, which work with multiple connection, attestation, bootstrapping and device management capabilities. These inventions are the source of several patents; 2 already granted, 2 filed and 19 under submission.

BT has architected an industrialized approach, combining its patented capabilities with SDO, a choice of IoT platforms, and the Infonova and Digiglu platforms, which leverage the TM Forum Open APIs, to provide secure, zero-touch and monetized IoT device establishment and in-life management at scale, spanning the ecosystem of capabilities with a self-service customer experience.

TM Forum’s Catalyst program provides a unique collaborative environment where companies from around the globe work together to create solutions to key industry challenges. At Digital Transformation World this year, 32 Catalyst teams are demonstrating their proof-of-concept work.

“Catalyst projects showcase the power of collaboration, bringing together a wide range of companies, industries and ecosystems not only in telecom but also in media and entertainment, digital health, smart cities, smart energy, banking and industrial manufacturing,” said Andy Tiller, Executive Vice President, Collaboration and Innovation, TM Forum.
“Championed by the world’s largest service providers, Catalyst projects accelerate innovation, prove the application of new technologies, validate standards and make many other valuable contributions to our industry.”

Over 145 different companies and hundreds of individuals participate in 32 Catalyst projects showcased at Digital Transformation World. The projects included 5G use cases and monetization, IT and network transformation, applications of AI and blockchain, Open APIs, IoT, Digital Ecosystems and more.

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About TM Forum

TM Forum is an association of over 850-member companies’ customers across 180 countries. We drive collaboration and collective problem-solving to maximize the business success of communication and digital service providers and their ecosystem of suppliers around the world. Today, our focus is on supporting members as they navigate their unique digital transformation journeys, providing practical and proven assets and tools to accelerate execution and platforms to facilitate collaborative problem solving and innovation. Learn more at www.tmforum.org.

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