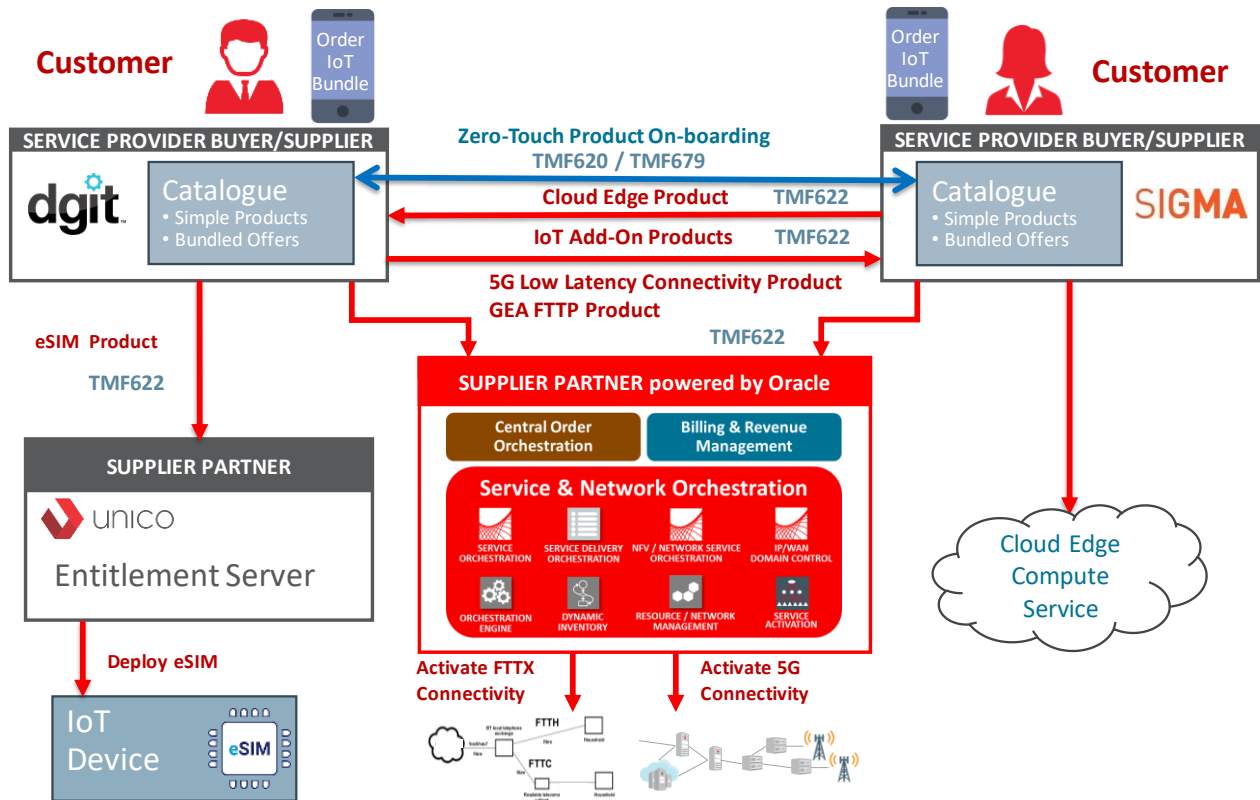# Zero Touch Partnering Catalyst
Oracle Service & Network Orchestration

The Zero Touch Partnering Catalyst demonstrates how TMF Open APIs can be used by Service Providers to quickly and easily on-board products from new suppliers, create innovative market offerings that bundle together both in-house and supplier products and, at run time, initiate product orders to their suppliers using standard APIs. The consistency of APIs and catalog definitions enables this to be a repeatable and scalable operation benefiting both buyers and suppliers.
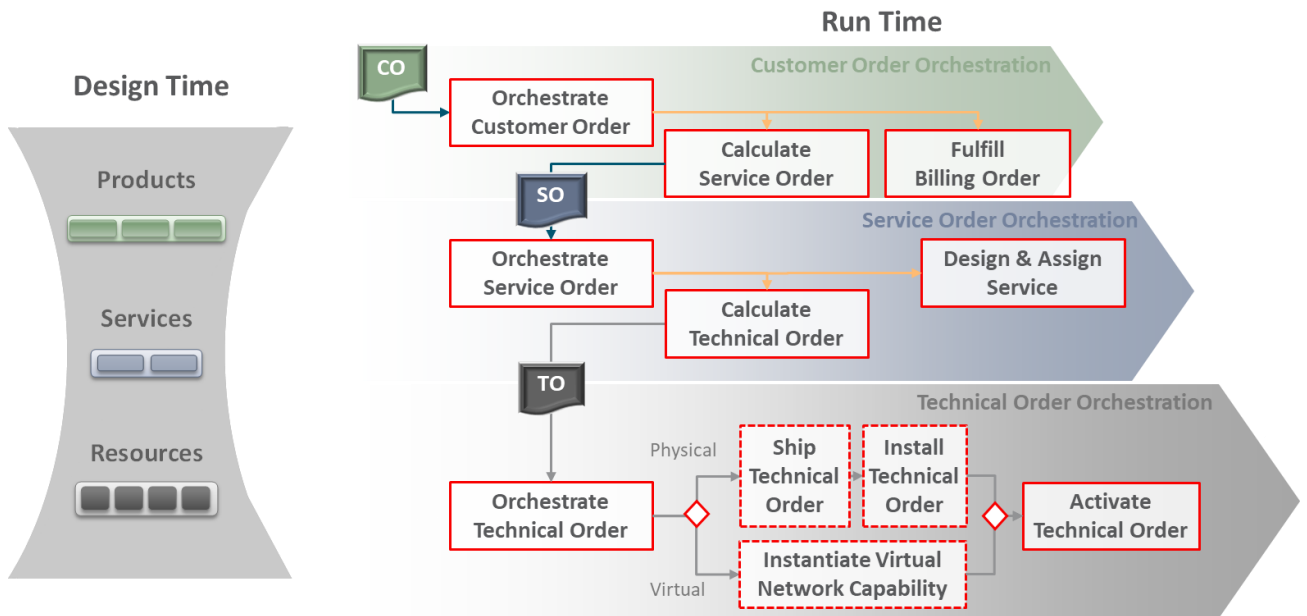

This enables service providers to rapidly assemble innovative and timely offers, providing a simplified user experience for product managers to create and maintain offers using an arbitrary combination of in-house and supplier products. It also enforces good discipline on service providers themselves, encouraging them to maintain decoupling of their own in-house product definitions from the details of their technical implementation.

Oracle's Service and Network Orchestration (SNO) solution provides comprehensive order orchestration capabilities driven by the TMF Product Order API and is aligned with Open Digital Architecture principles.

In this Catalyst, Oracle's SNO solution is acting a supplier of connectivity products. A 5G Fixed Wireless Access as well a Fibre Access product definitions are populated in the catalog systems of the Sigma and DGIT systems. SNO accepts orders for the product from either upstream systems using the TMF 622 Product Order API implemented within the Oracle Cloud Infrastructure. SNO processes the order, mapping this product order to a Service Order, designs the service instance, and then orchestrates the technical delivery of the service components to the underlying network and IT applications.

Oracle Service & Network Orchestration

Design Time

Products

Services

Resources

Run Time

Customer Order Orchestration

CO

Orchestrate Customer Order

Calculate Service Order

Fulfill Billing Order

SO

Service Order Orchestration

Orchestrate Service Order

Design & Assign Service

Calculate Technical Order

TO

Technical Order Orchestration

Physical

Orchestrate Technical Order

Ship Technical Order

Install Technical Order

Activate Technical Order

Instantiate Virtual Network Capability

Virtual

Oracle's Service and Network Orchestration solution is a modern model-driven orchestration platform providing:

- **Multi-service, Multi-domain Orchestration** for Consumer and Enterprise services across virtual, software defined, cloud and traditional networks

- **Multi-layer Orchestration** that decouples orchestration of commercial activities from the technical implementation and decouples the technical service design from details of delivery

- **Modular Decoupled Run-time architecture** for agile incremental solution development through decoupling of concerns and strongly encapsulated metadata

- **Model Driven Solution Design** based on a **"Product-Service-Resource"** information model to drive a coherent set of modular configurations that define each domain's behavior of the platform

- **A proven, referenceable at scale and globally deployed solution**

- For further information, see:

[Service and Network Orchestration Overview](#)

[The Oracle Orchestration Learning Library](#)

"*Oracle is further demonstrating the industry value of adopting extensible open APIs to expose and consume a catalog of capabilities to drive innovation and monetization of new products and services,*" said George Glass, vice president architecture & APIs, TM Forum. "*The adoption of these APIs enables companies like Oracle to execute at digital speeds and capitalize on the opportunities presented by an increasingly connected world.*"

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