

BSS for 5G Slice Monetization

Intent-driven Monetization
for 5G Applications

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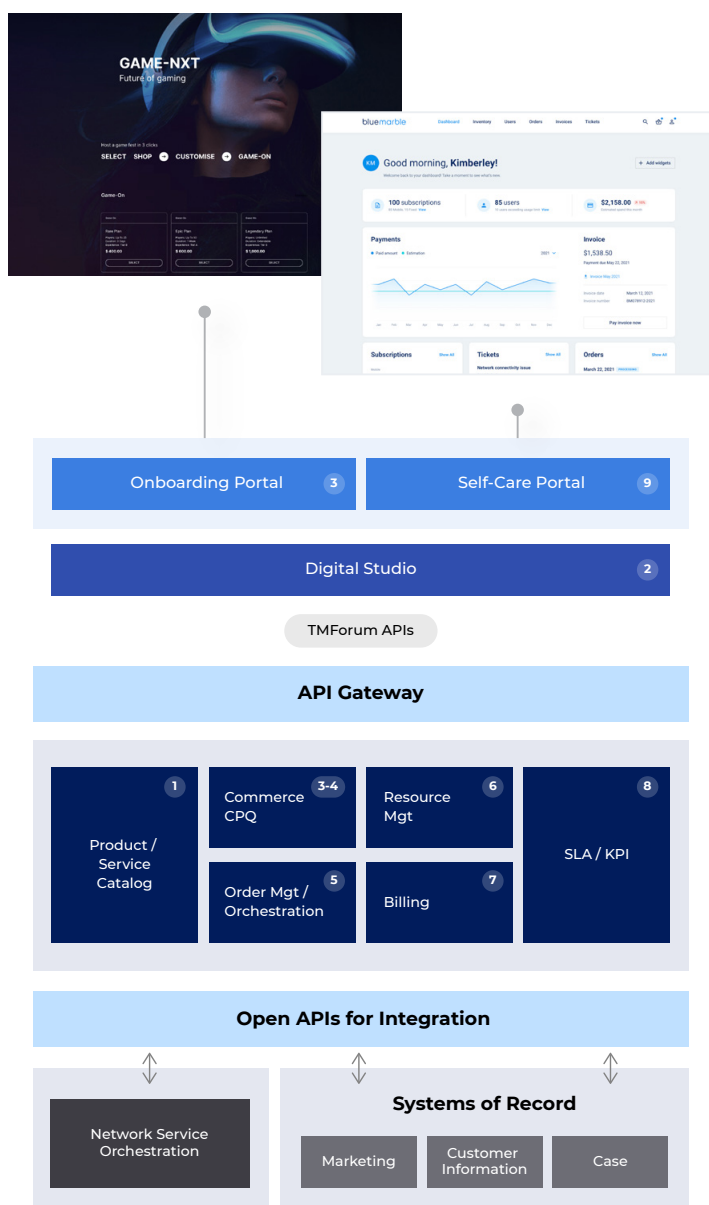
The Enterprise market / Enterprise customers will be the main driver for additional revenue from 5G investment / networks. 5G slicing enables service providers to provide virtually dedicated 5G infrastructure to these clients. The use of virtualized IT components and network infrastructure makes end-to-end application deployment more complex.

Additionally, many enterprise customers are not interested (or don't have the IT capacity or know-how) to source individual components, like a 5G slice. They are looking for end-to-end use cases that directly help them improve their business.

Because the market for dedicated 5G infrastructure is currently only evolving with the deployment of 5G SA Core, the specific vertical industries and uses cases for early use of 5G are not yet clear.

Service Provider needs a flexible and agile solution, that helps them to create and launch new end-to-end value propositions quickly without the need for large IT deployment projects.

This is where the Catalog-driven **BlueMarble 5G Slice2Price** solution comes in. It utilizes a TMForum compliant Enterprise Product Catalog to define commercial propositions and the breakdown into deployable service components.



Architecture

1. Define market proposition and mapping to infrastructure parameter in **Product Catalog**
2. Use **Digital Studio** to enhance onboarding portal with proposition specific assets
3. Drive customer onboarding journey through **Commerce - CPQ** based on Product Catalog configuration
4. Capture relevant configuration data and submit order
5. In **Order Management** orchestrate order based on Product Catalog Service Configuration across network and other systems (e.g. Customer Information, Billing)
6. Physical resources, e.g. SIM Cards, Devices, etc. are supported in **Resource Management**
7. Usage information is used to create **Bill - Invoice** based on Product Catalog Configuration
8. Usage reporting and business metric enable optimization of infrastructure configuration and costs
9. Enable customer with complete business view and management capabilities through self-care portal

Benefits



Fully configurable,
no-code product /
proposition definition



Deployment automation
based on product to service
specification mapping



Zero-touch deployment
of 5G infrastructure

Competitive Edge



Fully configurable
end-to-end flow based on
product catalog definitions



Proven scalability
from Proof-of-Concept to Tier 1
production environment



Pre-configured
sample 5G use cases for a fast roll-out
of initial set of market propositions



Cloud-native
architecture deployable in private or
public clouds across any cloud provider



Modular & extensible
solution from only addressing the
product definition, customer
onboarding journey and billing to a
complete BSS stack



Aligned
with TechMahindra 5G Enterprise solutions
and Netops.AI Network Orchestration and
Management solution

Features



TMForum SID
model compliant
Product Catalog
that can model any
Service Provider
and 3rd Party
services



Client onboarding
and self-service
portal based on
low-code, digital UI
platform



Pre-configured
customer
acquisition and
onboarding flows
with configurable
order capture /
checkout process



Catalog-driven
Order Management
with pre-defined
process blocks
(Re-Usable Process
Blocks – RPBs)

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