

# bluemarble

**BlueMarble** – TechMahindra’s digital transformation accelerator – is a repository of productized, Digital BSS microservices focusing on the transformation of existing IT systems. It supports low code, modular, cloud-native solutions, which can be flexibly adapted to client requirements.

## SOLUTION KEY FEATURES:

- Repository of low-code microservices
- Focus on Telecommunication BSS transformation
- Modern, agile, 100% open source IT stack
- Flexible, scalable, containerized deployments

## MICROSERVICE DOMAINS

### CUSTOMER

Provide access to consolidated customer data, including customer’s purchased and installed products. The integrated customer data cache supports additional capabilities like linking customers into a single, virtual customer entity.

### SHOPPING CART

Shopping cart is the essential component of the sales customer journey, supporting real-time rules evaluation and charge calculation. Shopping carts are persisted to support cross-channel customer journey.

### ORDER MANAGEMENT

A complete catalog-driven, microservices-based Order Management solution that supports execution and monitoring of converged orders, provides order decomposition and triggering of corresponding back-end IT systems.

### PRODUCT CATALOG

The product catalog manages static product, services and resource data, with the ability to consolidate across several back-end product catalogs. It also enables creation and management of advanced ruling.

### ORDER CAPTURE / CHECKOUT

The Order Capture components provides a highly configurable checkout process based on existing data capture and validation elements that are applied based on customer and shopping cart data.

### RULES FRAMEWORK

High-performance rules engine and advanced rule definition framework supporting dynamic service behavior and customer experience

### BUSINESS SOLUTIONS

Creating end-to-end solutions from microservices building blocks and UI components to solve business challenges with immediate value to the clients.

### CUSTOMER EXPERIENCE

All **BlueMarble** business services provide pre-built UI and functional components that enable fast creation of new user-facing applications.

### MICROSERVICES

**BlueMarble** micro-services platform is agnostic to existing IT systems and their vendors in order to provide flexibility in deployment.

### DIGITAL BSS

The Digital BSS solution provides components to easily and quickly support the complete customer journey with a consistent solution.



LAUNCH TIME

6 MONTHS



TIME TO MARKET

- 20% ↘



INCREASE IN SALES

+ 10% ↗



DIGITAL CHANNEL APPLICATION

6 WEEKS



ERROR REDUCTION

- 40% ↘