

Make modernization flexible

Bring cloud portability to telecommunications with Comviva and Red Hat

Modern technologies such as 5G have introduced fundamental changes in the way businesses operate, and have created new opportunities for customer experiences across multiple channels.

An end-to-end digital BSS platform for the telecommunications industry

As communications service providers (CSPs) begin the process of digital transformation, traditional business support systems (BSS) can impede responses to customer needs and business requirements. This slows transformation efforts. To face this challenge, they must find new and efficient ways to modernize their business platforms.

As CSPs evaluate products to help them accelerate their transformation, it is clear that traditional systems are here to stay. This is where transformation methods, such as overlay transformation and step-by-step transformation, have gained popularity.

CSPs are increasingly embracing cloud-native technologies to maintain momentum on their transformation initiatives, adapt to shifting customer expectations, speed up delivery solutions, and gain the agility to respond to new opportunities.

A joint solution for increased agility and accelerated transformation

Red Hat and Tech Mahindra have partnered to offer a joint solution that accelerates digital transformation and helps service providers take full advantage of 5G technology.

The joint offering is a combination of BlueMarble, an end-to-end digital BSS platform provided by Comviva (a Tech Mahindra company), and Red Hat® OpenShift® Container Platform. With these two solutions working in tandem, CSPs gain the agility, modularity, and scalability to bring ideas to market more swiftly and to achieve their strategic transformation and monetization goals.

What is BlueMarble?

Comviva's BlueMarble is a microservices-based digital BSS platform, built as per TM Forum standards, that offers the agility, capabilities and infrastructure adaptability telecom companies require. With its ability to interface with traditional systems using adaptors and TM Forum Open application programming interface (APIs), CSPs can connect to multiple channels in a uniform, efficient way. With BlueMarble, CSPs can modernize business platforms without the strain of going through large, complex transformation processes.

Red Hat OpenShift’s full-stack automated operations and self-service provisioning for developers lets teams work together more efficiently to move ideas from development to production.

Bringing BlueMarble to Red Hat OpenShift

With Red Hat OpenShift, CSPs can choose where they build, deploy, and run applications and maintain a consistent experience. By deploying Comviva’s BlueMarble on Red Hat OpenShift, service providers can accelerate their digital transformation initiatives across any environment from the datacenter, to a cloud, to the edge.

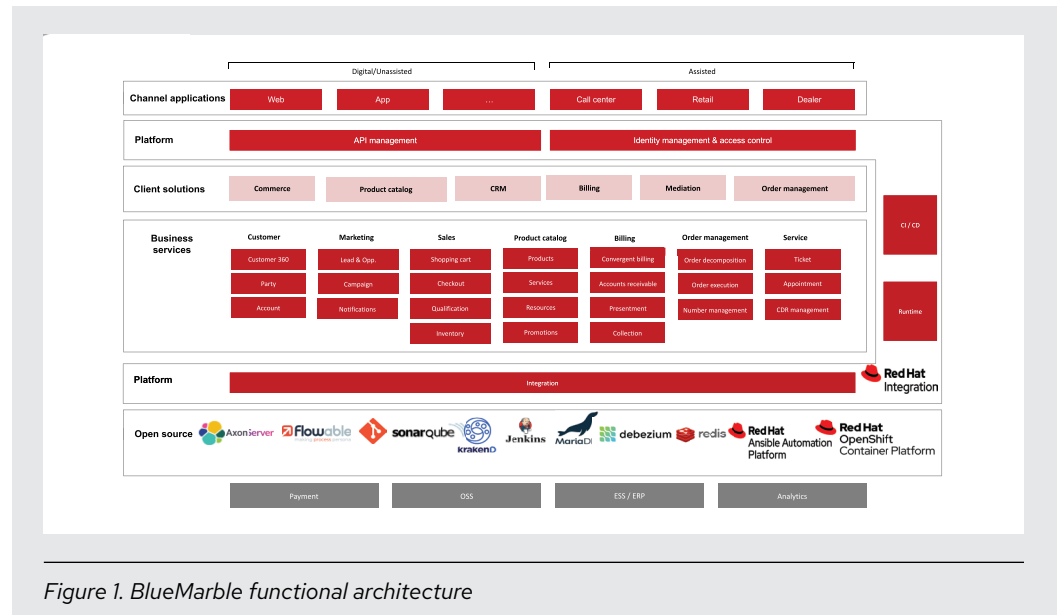


Figure 1. BlueMarble functional architecture

Modernize across multiple cloud environments

This integrated solution empowers CSPs with a future-ready, next generation platform for rapid transformation of their existing network infrastructure as they prepare for 5G evolution. Combining the power of BlueMarble with Red Hat OpenShift provides important benefits, including:

- ▶ Improved time to market for new capabilities and features, especially for customer-facing functionality.
- ▶ Microservices architecture with TM Forum APIs allows CSPs to integrate adaptably with systems and extensibility to provide bundled offerings.
- ▶ Reduced complexity and dependencies among modules, creating a clear functional separation.
- ▶ Lower operational costs including maintenance and support costs for outdated off-the-shelf applications.
- ▶ Less downtime by limiting the risk of misconfiguration.

Deploy anywhere, on any cloud

This solution is cloud agnostic, portable, and can be operated across environments from a single interface. Whether CSPs need to operate on one or multiple cloud environments, a hybrid cloud environment, or at the edge of the network, this joint proposition is suited to the task.

Ready to configure—easy to create

Modern customers expect a simple, omni-channel experience that is consistent and personalized. The platform comes with ready to configure and easy to create microservices and flexible user interface components, providing a uniform customer experience across all channels.

Learn more about BlueMarble and Red Hat OpenShift

Discover how [Red Hat OpenShift](#) can provide a consistent application platform for managing hybrid cloud, multicloud, and edge deployments. For inquiries, contact us at marketing@comviva.com.

About Comviva

[Comviva](#) is changing the world through digital experiences. Our innovative portfolio of digital solutions and platforms brings greater choice, faster time to market, and flexibility to meet our customers' evolving needs better as they drive growth, transform, and bring efficiency.

About Red Hat

Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers develop cloud-native applications, integrate existing and new IT applications, and automate and manage complex environments. [A trusted adviser to the Fortune 500](#), Red Hat provides [award-winning](#) support, training, and consulting services that bring the benefits of open innovation to any industry. Red Hat is a connective hub in a global network of enterprises, partners, and communities, helping organizations grow, transform, and prepare for the digital future.



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