

Oracle Digital BSS Express (DBX)

Oracle Digital BSS Express allows service providers to compete in a rapidly evolving communications market with lowest cost using flexible, carrier-grade and integrated BSS/OSS products combined with pre-built business processes and TM Forum Open APIs.

Overview

Oracle Digital BSS Express (DBX) is a modern, pre-integrated and extensible BSS/OSS solution delivered on Oracle's carrier-grade technology often in nine months or less by Oracle Communications Consulting. The prebuilt order to cash solution implements industry best practice business processes.



Image 1. DBX is a BSS/OSS packaged solution delivered on Oracle technology by Oracle

DBX is based on a comprehensive reference architecture that encompasses key aspects of a service provider's BSS/OSS infrastructure to support any fixed or mobile offering. DBX provides customer lifecycle management, customer care, web-based self-care, ordering, provisioning, rating, charging and billing – all out of the box - and supports multiple account & billing relationships, wholesale & retail business models and (sub) distributor delivery channels.

DBX is based on Oracle's best-in-class suite of BSS and OSS, including applications which have been widely deployed around the world such as Oracle Communications Billing and Revenue Management (BRM) and Oracle Communications Automated Service Activation Platform (ASAP).

Future-Ready

Feature-rich products pre-integrated into a packaged solution. Oracle's proven components provide a feature-rich footprint, coupled into a pre-integrated solution to meet the demands of current and future business challenges. Featuring industry-leading monetization and orchestration

Key DBX Business Benefits

DBX is a modern, pre-integrated and extensible BSS/OSS packaged solution delivered on Oracle's carrier-grade technology in nine months or less by Oracle Communications Consulting

- Future-ready
- Experience-centric
- Agile
- Cost-effective

Key Solution Features

- Central account management via integrated customer management platforms to support multiple service offerings as well as personalized price plans and customer care
- Converged customer account visibility with billing for retail and wholesale customers across multiple service accounts giving capability to analyze customer activity and reduce revenue leakage
- Enhanced operational effectiveness and increased charging infrastructure flexibility through customer-centric business process support
- Increased innovation and the ability to rapidly design and deploy new or updated services such as event-based pricing, custom channels, and video on demand

Key BRM Product Features

functionality these same components are used in support of Oracle's offerings for IoT, 5G and Cloud providers.

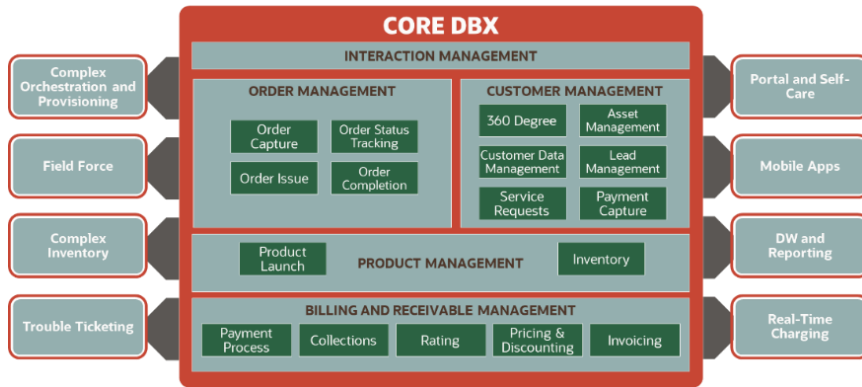


Image 2. Core and add-on components that can be provided as part of DBX.

DBX components are installed many times in the world's largest operators with proven throughput and scale, now with the benefit of cloud technology. In line with Oracle's stated direction, the components are aligning with the TM Forum's Open API standards for external integration, with the first release of these implemented standards available now.

The DBX solution can be enhanced, should the need arise at a later phase, by the addition of other components from Oracle's portfolio such as Analytics, Service Orchestration, Marketing and Trouble Management.

Experience-Centric

Customer experience is a principal differentiator. It creates brand affinity, loyalty and can turn customers into advocates. The DBX solutions allows service providers to launch compelling mobile-first digital monetization experiences as they evolve to the 5G era.

Innovate. Create personalized smart offers, plans and bundles for 4G and the 5G multi-slice future such as speed tiering, spending limit control and dynamic sharing/gifting.

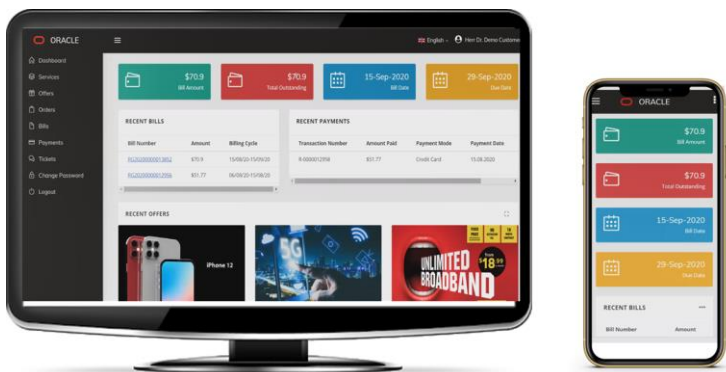


Image 3. DBX provides a configurable self-care web app optimized for a mobile-first experience

Digital self-care. Rich API framework enables integration with customer experience and mobile self-care applications. Oracle's offering comes out of the

Oracle Communications Billing and Revenue Management (BRM) is a core component of DBX and provides the following key features:

- Converged Charging System aligned with the 5G 3GPP charging architecture, supportive of both SA and NSA 5G core networks
- Elastic charging grid enabling extreme scalability with cutting-edge resiliency across charging clusters, processes and datastores
- TM Forum certified pricing UI designed for the business user with intuitive, web-based navigation workflows
- Ability to rate any metric or attribute
- Support any combination of payment options
- Authorize all transactions in real-time with a superior experience for digital services customers
- Consumer, enterprise and partner support with full partner settlement across complex value chains and network slices
- Modern architecture with cloud native foundations supporting DevOps agility and efficiency
- Comprehensive billing, revenue collection and revenue analytics
- Modern, secure web-based Billing Care and Business Operations Center applications
- Productized software that can be extended by developers with a fully documented and supported software development kit
- API framework to integrate with external applications such as self-service web apps, notification platforms, order provisioning, customer care and policy management

box with a configurable web self-care app that provides a precise, up-to-date view of all balances, subscriptions, and transaction history.

Real-time experience. Publish real-time notifications based on triggers such as threshold breaches, spend control, offer purchases and lifecycle changes.

Agile

Support any service, industry, and partner-enabled business model – legacy, digital and 5G. DBX is currently implemented to support many different business models and technologies. It is used in support of cable operations, both direct to customer and via serving circles, multi-service Fixed and Mobile operations (across varying islands and technologies), MVNO and B2B.

Innovate faster by launching digital offers with design-time flexibility. DBX supports rapid design and deployment of simple or complex offers and promotions. The solution provides an intuitive web-based top-down Pricing Design Center tool with certified conformance to the TM Forum SID model. It can be used to configure a full spectrum of pricing and subscription capabilities with granular rules and to create unlimited plans, pricing offers, discounts and promotions in minutes, versus hours or days.

Delivers pre-built, flexible, and adaptable business processes based on industry standard best practices. The standard process flows exposed by the system are based upon TMF eTOM processes. The Oracle delivery methodology used to drive adoption of the system uses these processes as templates to describe product. During the early stages of the project, the processes are discussed, demonstrated, and explored in detail and any adjustments required by the service provider can be incorporated.

Cost-Effective

Supports a modern deployment model with a low and fixed operational cost. The DBX solution can be offered as a managed service and deployed on Oracle's carrier grade and scalable OCI infrastructure or any other private or public cloud infrastructure.

Oracle's carrier grade products provide inherent scalability, performance and extensibility. Architected for extreme real-time performance and high-availability to satisfy the most demanding service provider needs, DBX can scale seamlessly to handle billions of transactions per day. BRM's massive parallel processing enables throughput with millisecond latencies and controlled memory growth ensures optimum performance.

Delivered by Oracle in nine months or less. Projects are subject to the complexity of the existing environment, as well as the amount of change to the standard product processes required. Data migration requirements and data quality can also impact timescales, however a typical DBX implementation can be completed rapidly due to the small number of components and their inbuilt flexibility. Delivery timescales within 9 months from kick-off to completion are not uncommon. By using proven methodologies, Oracle Consulting reduces cost

Key ASAP Product Features

Oracle Communications Automated Service Activation Platform (ASAP) is a core component of DBX:

- Simplified service design enables rapid solution assembly and deployment
- Intuitive tooling to support rapid development & testing of activation cartridges
- Transactional control of activation request processing
- Sophisticated session and network connection management with high configurability
- Carrier-grade performance, scalability, and availability
- Decouples network topology evolution from upstream OSS and BSS systems for operational flexibility

of change, ensures that only essential customization is scoped and that all stakeholders understand & sign up to the scope of the solution.

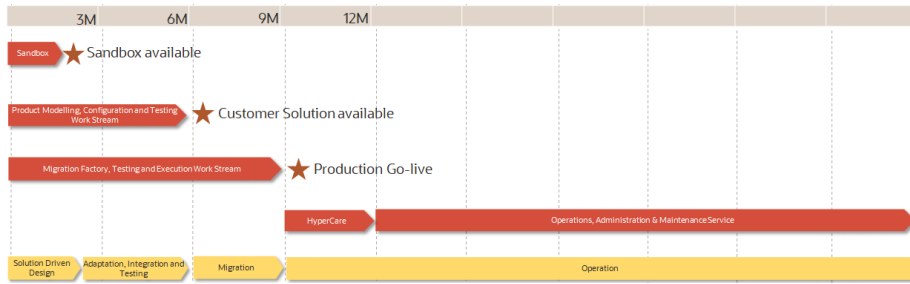


Image 4. DBX typical delivery timescales.

Summary

DBX is a modern, pre-integrated and extensible BSS/OSS packaged solution delivered on Oracle’s carrier-grade technology in nine months by Oracle.

- **Future-ready.** Feature-rich products pre-integrated into a packaged solution including industry-leading monetization and orchestration. Lean and efficient core offering can be expanded with CX and other add-ons.
- **Experience-centric.** Strengthen brand affinity and advocacy by launching compelling digital monetization experiences for the 5G era with personalized smart offers, digital self-care, and real-time notifications.
- **Agile.** Support any service, industry, and partner-enabled business model – legacy, digital and 5G. Innovate faster by launching digital offers with design-time flexibility. Delivers pre-built, flexible, and adaptable business processes based on industry standard best practices.
- **Cost-effective.** Supports modern deployment models with a low and fixed operational cost. Oracle’s carrier grade products provide inherent scalability, performance, and extensibility. Delivered by Oracle in nine months or less.

Key DBX Solution Delivery Functions

- Full functional coverage
- By using proven methodologies, Oracle Communications Consulting reduces cost of change, ensures that only essential customization is scoped and that all stakeholders understand & sign up to the scope of the solution.
- 6-9 month typical time scale from kickoff to completion
- Robust governance model
- Service management available, including operations, monitoring, patching, backup/restore, disaster recovery, Technical and Functional Service Desk, ITIL compliant service delivery management and security management

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