

Fact Sheet

Fujitsu Interstage Business Operations Platform: Composite Applications Framework

Faster Time-to-Value for Composite Applications

The Fujitsu Interstage® Business Operations Platform (BOP) is a next-generation business solution and integration platform. Based on the leading Business Operations Platform from Cordys™ Software, it is designed to truly support the way businesses operate, finally bringing the worlds of business and IT together.

Interstage BOP Composite Applications Framework

In today's challenging business environment, it is imperative for organizations to have a flexible infrastructure that enables them to leverage existing IT investments, adapt existing applications and to build new processes to meet rapidly changing business requirements and maintain their competitive lead. Composite applications enable organizations to achieve these aims by drawing together data sources and business logic from multiple underlying systems. Such applications are typically associated with a process, drawing together several process steps and presenting them to the user through a single interface that is customized to the requirements of the business need.

Composite applications:

- Enable enterprises to leverage existing business functionality that is exposed as services
- Offer reduced delivery timescales and costs of developing applications – it is much easier, and more rapid, to compose new applications than to develop them from scratch

- Provide the flexibility to modify the applications based on business demands – the components that constitute a composite application are loosely coupled

The benefits of composite applications are clear, however, if organizations are to leverage these benefits effectively, they need to select a development environment that provides a highly productive framework for building such applications. Interstage BOP Composite Applications Framework (CAF) has the necessary features to enable the creation of composite applications through effective service reuse.

Interstage BOP Collaborative Workspace

Interstage BOP Collaborative Workspace (CWS) is an important component of Interstage BOP Composite Applications Framework. Interstage BOP CWS is a web-based modeling and development environment that enables development, debugging, testing, delivery and deployment of composite applications, in a collaborative, rapid and incremental manner. The unified meta-model of CWS acts as glue to all the constituents of composite applications. It provides a consistent view of the development artifacts, enabling development teams to assess the impact of change. It also enables the packaging of applications with a single click of the mouse.

The collaborative nature of CWS makes it easy for both business and IT users to work together to develop new applications, ensuring total alignment with business requirements throughout the lifecycle.

Interstage BOP Forms Designer

Interstage BOP Forms Designer is a graphical what-you-see-is-what-you-get (WYSIWYG) tool



Interstage BOP composite applications enable organizations to achieve a flexible infrastructure to leverage existing IT investments, adapt existing applications and build new processes to meet rapidly changing business requirements, helping them to maintain their competitive lead.

Highlights

- Composition at UI, service and process layers
- Model-driven application development
- Create rich, interactive process-centric user interfaces
- Enhanced developer productivity
- Faster time-to-value for composite applications

that facilitates the creation of rich and interactive user interfaces from Web Services, using a simple drag-and-drop action. It makes use of ubiquitous web technologies such as JavaScript, HTML, AJAX and XForms to create appealing Web 2.0 user interfaces. The Model-View-Controller architecture of XForms separates the data or business logic from the user interface consideration, making it possible to change one without affecting the other. Interstage BOP Forms Designer comes with an extensive set of UI widgets including charts, Google Maps and Google Gadgets. The Composite Controls Framework provided by the Forms Designer enables the creation of new custom widgets, as well as integration with third party widgets, ensuring that the specific UI needs of applications are met within a single environment.

The UIs created with Interstage BOP Forms Designer are process-centric and can be used as initiating points for either business processes or human activities in a business process flow.

Interstage BOP Business Process Modeler

Interstage BOP Business Process Modeler is a visual tool that can be used by business process experts to graphically draw business processes. It uses the Business Process Modeling Notation (BPMN) standards to create business process models. These business process models can then be turned into executable business processes through the orchestration of Web Services in an intuitive, drag-and-drop manner. The Forms designed using Interstage BOP Forms Designer can also be dragged and dropped on to any process activities that require human intervention. The what-you-model-is-what-you-execute approach of Interstage BOP ensures that executed business processes are exactly in line with business requirements.

Interstage BOP WS-AppServer

The Interstage BOP WS-AppServer exposes data and application functionality as standards-based Web Services. It provides the ability to combine legacy functionality and new capabilities into new services, which can then be used for creating composite applications.

WS-AppServer provides full support for handling transactions, persistence and security. It simplifies the process of exposing existing application functionality as Web Services and enables the addition of new business logic as required to meet changing business needs.

Composite Application Logging

Error isolation is a major challenge for composite applications as they span different layers or components that include data, processes and user interfaces. As the components making up composite applications are distributed (running on different physical machines); the application logging information is written to different physical locations which can make it difficult to troubleshoot issues efficiently for a particular instance of a business process. With Composite Application Logging, users can model application logging for various events or for key activities of a business process and then using a single viewer access all the logs generated by the different components, with a wide range of search criteria. This dramatically speeds up the process of isolating and addressing issues.

Why Select the Interstage BOP Composite Applications Framework?

Interstage BOP CAF supports the complete lifecycle of composite applications. It enables composition at multiple levels, including service composition, user interface composition and process composition.

The model-driven 'compose and assemble' approach of Interstage BOP CAF minimizes coding effort, resulting in enhanced developer productivity and accelerated development timeframes. This enables organizations to leverage existing IT assets and create new business functionality through service reuse, leading to a lower cost of ownership and faster time-to-value. It also allows the business and IT users to collaborate together to create composite applications that align exactly to the business needs. The standards-based, WYSIWYG Forms Designer with its extensive set of UI widgets and extensible Composite Controls Framework enables the creation of rich, interactive Web 2.0 forms that can be used in business processes with no extra effort.

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