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Business Process Modeling

Business process modeling enables you to model, design, analyze and generate reports for your business processes. Integrate your new and revised workflows, and define your organizations, resources, and business items.

Defining and modeling business processes is a critical factor in improving business performance. A business process is a variable pattern of interactions that occur between an organization's components and its environment as the organization pursues its business objectives.

Business processes are often complex because of numerous incremental changes that were made in reaction to unique and transient circumstances. Without formal process documentation and process management systems, these process complexities can burden an organization with unnecessary hindrances and bottlenecks. A well-constructed business process model can help you locate and eliminate those hidden inefficiencies, costs, and delays.

Create realistic models

A business process model is a visual representation of a process that contains supporting information. To create effective models, you must have a well-designed modeling structure that ensures consistent and complete representation of relevant information, including normal operations as well as alternatives and exceptions to standard procedures. You can use business process models to achieve many goals, including the following:

- Documenting existing procedures
- Determining requirements for staff, systems, and facilities
- Planning changes to existing processes and systems
- Testing and analyzing existing and proposed processes

In addition, you can use process model data to support other business applications. For example, you can use the process model in downstream applications as the basis for automating the process or developing a working application.

Leverage skill sets

With our expertise and your business process inputs we can build process models to meet a wide range of business objectives. From the business analyst who requires a high-level view of a process to drive strategic decisions, to the program developer who uses a process model as the framework for a new application, competitive businesses require a versatile modeling tool that has the flexibility to meet the needs of both business and technical professionals.

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To meet the varying needs of today's business, Business analysts who require a high-level view of processes can quickly create and display their workflows using the Basic mode.

More technically oriented users seeking to apply a higher degree of business logic complexity to their processes can define their specifications and expressions in the Intermediate mode. And solution and IT architects can focus their technical skills and experience on the invocation characteristics, instance correlations, and complex expressions available in the Advanced-user mode.

Collaborate with team members

Models that have been developed can also be published to a secure website, along with their related business information (organization diagrams, business items, etc.)

This dissemination of business process models on an enterprise and worldwide scale, in a Web-based format, enables people / teams around the globe to view and contribute to the development of the business processes.

To accommodate the differences between viewers and contributors, this publishing can involve two stages:

- The first stage allows contributors to review the developing business processes and, through comments and attachments, provide the modeling team with feedback and additional information. At a chosen point, the business process models become ready for people to use as a reference in their day-to-day activities.
- The second stage of publishing makes the business processes available for these viewers.

CHANGE is the only constant! Anticipate it.

If your business is not planning for the future, you will inevitably fall behind. We can help you can simulate and analyze your processes under any set of circumstances.

When you simulate runtime processing, you can get an animated view of the business process in action. You can specify a wide variety of different conditions for the simulation, including the rate and composition of process inputs and the number of personnel and system resources available to handle the process. Through simulation you can quickly determine how the performance of your business process is affected in various real or hypothetical conditions.

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We will deliver the following analysis and reporting capabilities:

- Weighted averages of time, cost, and resource allocation can be calculated for all possible alternatives, resulting in accurate measurements and key process indexes.
- Varying rates of input can be simulated and analyzed for a study of the dynamic and transient impact on resource cost, time, and requirements.
- A wide variety of predefined management reports can be generated from the conditions and alternatives you specify. You can also design your own reports.

Transform your business process models to IT-level models.

Using an **integration** tool, you can export a Business Process Execution Language (BPEL) version of a business process model and use it as a basis to create an application.

You can also export, in Flow Definition Language (FDL) format, to other **workflow build-time** tools, to enhance the process definition so that the process can be automated in a runtime environment.

You can also export the **business process modeling** project as a **UML** model.

Business environments are constantly changing, this requires a regular fine-tuning of processes - business improvement is a perpetual race.

We can facilitate communication between business organizations by allowing you to create a process model that has far broader uses than a static drawing.

We will deliver cost saving benefits by utilizing the same process information for many purposes, reducing duplication efforts.

Contact us today!

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