SAP Solution Brief | PUBLIC
SAP Business Technology Platform | SAP PowerDesigner

Visualize Complex IT Architectures and See Potential Impacts of New Technologies

THE BEST RUN **SAP**

Empower Data, Information, and Enterprise Architects

As IT landscapes grow more complex, a visual representation of your enterprise IT architecture can increase communication and collaboration. SAP® PowerDesigner® software helps you build **a blueprint of your current IT landscape** in its entirety and understand its interdependencies. The software can also help you visualize the impact of potential changes to the architecture.

With increased adoption of innovative technologies such as cloud computing, Big Data, and social media, IT organizations must manage the deployment of these technologies effectively. However, it is crucial to understand your existing IT architecture before implementing transformative solutions that integrate with legacy systems.

SAP PowerDesigner helps you document your current technology and manage change by providing a simplified visualization of complex architectural components that makes them more understandable and accessible. Robust tools support model-driven architecture design using industry-standard techniques, a powerful metadata repository, and unique "link-and-sync" technology.

With more comprehensive, accurate, and reliable information about your enterprise architecture, you can maximize operational efficiency and improve decision-making. You can also meet internal and external compliance regulations to reduce risk, and make the most of SAP and third-party technology.

Empower Data, Information, and Enterprise Architects

Drive Change by Optimizing Your Current Architecture

Providing rich IT architecture–modeling function-ality, SAP PowerDesigner helps you effectively manage digital transformation and business process optimization. Including a browser-based portal for ease of access, the software offers intui-tive visualization and reporting functionality that enables you to do the following.

Capture your current architecture: Document existing systems visually and understand how business and technical environments interact. There are many options for reading in and aligning metadata already in your enterprise.

Design architectural changes: Restructure systems for future business strategies and goals and streamline the transformation with design-time change management tools. You can use

link-and-sync technology to integrate business and technical aspects of change across your enterprise. Meanwhile, full lifecycle version management helps you act quickly on each step while retaining control.

Communicate the impact of change: Achieve decision consensus on change alternatives with a full impact analysis, from designing new architec-ture through to its execution. Stakeholders can collaborate more effectively using an enterprise repository through which they share metadata representing layers of abstraction and publish architecture knowledge in a secure, scalable environment.
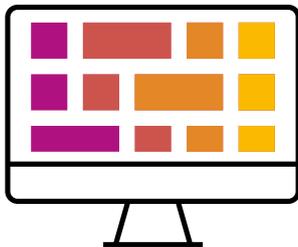
Drive Change by Optimizing Your Current Architecture

Plan Your Enterprise Architecture

Support Collaborative Business Process Modeling

Manage Your Business Intelligence and Information Architecture

Enable Advanced Data Modeling and Data Architecture Planning

Plan Your Enterprise Architecture

SAP PowerDesigner helps you address the needs of each distinct business area of your organization, providing specific information to support decision-making on changes to your enterprise IT architecture. With clear visualizations, the software ties together data, metadata, and diagrams through its link-and-sync technology.

With functionality for automatically and intuitively capturing the intersections between the layers and perspectives of your enterprise architecture, you can give users across groups a clear view of the state of your technology today. Furthermore, SAP PowerDesigner helps them explore and evaluate the potential impacts of proposed changes.
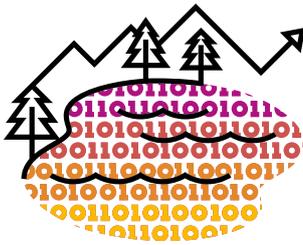
Drive Change by Optimizing Your Current Architecture

Plan Your Enterprise Architecture

Support Collaborative Business Process Modeling

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Enable Advanced Data Modeling and Data Architecture Planning

Understand the **organization-wide impacts** of adopting new technologies.

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Support Collaborative Business Process Modeling

With SAP PowerDesigner, decision-makers can see interconnections between different elements of your IT architecture and identify which parts of the business will be affected by solution landscape changes. You can design proposed changes and represent them visually, conforming to the way in which managers are used to seeing information. This provides a clear impact analysis that helps them understand and buy in to the changes.

The software also reduces complexity by abstracting relationships between people, systems, and objects and representing the relationships visually in preferred formats. A central enterprise glossary helps ensure that business terms and definitions are established and consistently managed throughout the organization.
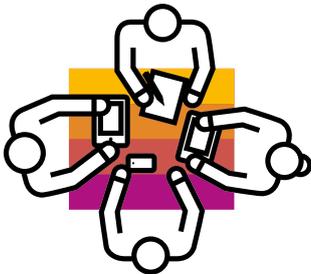
Drive Change by Optimizing Your Current Architecture

Plan Your Enterprise Architecture

Support Collaborative Business Process Modeling

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Enable Advanced Data Modeling and Data Architecture Planning

Simplify the management of complex IT landscapes with SAP PowerDesigner.

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Manage Your Business Intelligence and Information Architecture

Effective communication between IT and business personnel is essential if you are to work together productively on IT transformation projects. SAP PowerDesigner provides robust modeling functionality that helps nontechnical personnel understand complex technological environments. This supports closer collaboration among development team members from different areas of the business.

In addition, SAP PowerDesigner helps you enforce corporate or regulatory standards and practices. You can achieve this using a fully scriptable interface, a customizable metamodel, or a fully documented application programming interface. Furthermore, the software also supports open software environments.
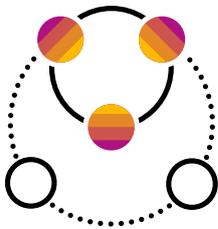
Drive Change by Optimizing Your Current Architecture

Plan Your Enterprise Architecture

Support Collaborative Business Process Modeling

Manage Your Business Intelligence and Information Architecture

Enable Advanced Data Modeling and Data Architecture Planning

Help technical and nontechnical users work closely to achieve a smooth deployment of new solutions.

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Enable Advanced Data Modeling and Data Architecture Planning

SAP PowerDesigner helps cross-functional teams visualize, analyze, and manipulate metadata. This helps streamline database design processes and supports the effective implementation of your data architecture.

The software combines powerful tools for impact analysis, traceability of requirements, and information mapping with features that enable formal database design techniques. It also supports more than 60 relational database management systems and offers advanced functionality to enable multiple types of modeling for metadata integration.

Drive Change by Optimizing Your Current Architecture

Plan Your Enterprise Architecture

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Enable Advanced Data Modeling and Data Architecture Planning

Use dynamic modeling tools to **maximum business value from your data**.

Visualize, Understand, and Manage
Enterprise Change

Helping you break down silos of data and create a 360-degree view of your information assets, SAP PowerDesigner enables you to streamline collaboration and communication about your IT architecture. The software helps you understand and reduce the cost and risk of proposed changes throughout your organization and integrate system-wide viewpoints and perspectives to improve decision-making.

You can use the common view of your current architecture offered by SAP PowerDesigner to create an environment that facilitates ongoing quality assurance and streamlines integration among architectural components. The software minimizes manual processing through automation and synchronization and aligns business, information, and technology views without additional effort or process change. It also captures dependencies at the time of discovery and allows for easier bridging among various sources of metadata to create an aligned and integrated modeling source for change management and business planning.

With SAP PowerDesigner, you can centralize model development from a vast number of sources to give you a true command center for managing information as a corporate asset. By helping you develop a robust and effective IT architecture, the software also increases user trust as you meet today's challenges and plan for the future.

Visualize, Understand, and Manage Enterprise Change

Summary

SAP® PowerDesigner® software helps you plan and manage complex digital transformation initiatives. The software's "link-and-sync" technology and integrated modeling tools enable you to visualize the current state of your IT architecture as well as the impact of future changes to your IT landscape.

Objectives

- Capture information about your enterprise IT architecture and communicate it graphically
- Visualize the links between architectural layers to understand the impact of potential changes
- Improve collaboration among business and IT employees through intuitive visualization and reporting
- Leverage data as a strategic company asset to drive greater value and efficiency

Solution

- Advanced modeling of business, information, application, and technology architectures
- Automatic capture of enterprise architecture layers
- Enterprise repository for sharing information across the organization
- Integration with SAP software as well as third-party solutions

Benefits

- Support IT decision-making based on an understanding of the cost and risk of proposed technology changes
- Streamline enterprise architecture planning with centralized modeling that combines business and technology information
- Establish a robust and secure IT infrastructure through effective change management

Learn more

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