DETEC

A Division of UNICOM®Global

DoXite

Document Composition for SAP® Systems

Putting **IT** All Together.℠

Management Summary: DoXite for SAP® Systems – Document Production and Electronic Business Communication

DoXite for SAP® systems is designed to be one solution for all requirements of document design and document output within an organization, regardless of the data source and delivery requirements.

In this respect, most software applications provide only limited possibilities. The graphic capabilities of a document layout tool often end with the document design, and the configuration of the system thereafter cannot or only insufficiently be performed graphically (e.g. by editing configuration files). Therefore, such a limited system will be difficult – and costly – to manage.

Furthermore, large and complex organizations in particular must be able to break down their document business output into manageable units and separate those units logically, in order to provide both local and global flexibility.

Further additional benefits for customer-oriented optimization of SAP® outputs result from personalized communication.

DoXite for SAP® systems provides a very powerful and economical solution. It produces many types of documents for various output media and in the individual layout of the customer.

DoXite converts source data from various applications – including SAP® systems – automatically to designed documents, or it transforms the data to a different data format required for communication, e.g. XML or signed PDF/A documents.

DoXite can distribute and output documents or data streams dynamically to multiple channels. For example, documents can be printed, archived and sent as email attachments.

DoXite for SAP® systems automatically optimizes the use of space on the output page when choosing which elements apply to each individual instance of a document. Also, DoXite provides features to control the page break logic, ensuring e.g. that a block of text will not be split over two pages.

Automatic versioning and specifying a period of validity for each DoXite object guarantee high quality and reliability in document production.
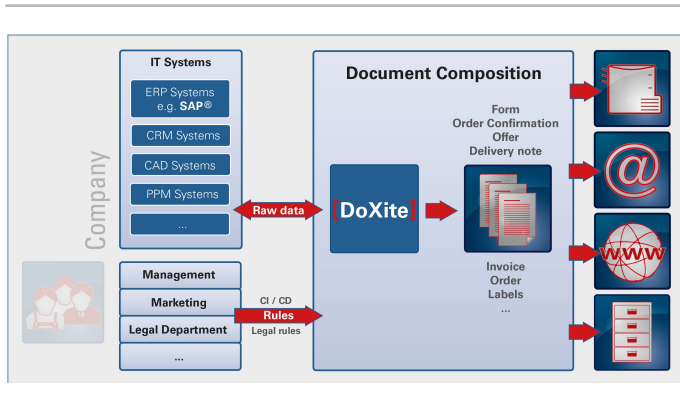
But layout design is not the whole story.

Multi-channel output, e.g. print and archive, are also defined with a few mouse clicks, and applying further conditions even allows special requirements for a specific output channel to be catered for, without affecting the output in other channels.

Intelligent Building Block Principle for Dynamic Document Layouts

Individual Building Blocks as Basis

DoXite uses a unique approach to separate complex logic from the design of elements used in business documents. Elements such as a document footer are designed and formatted as small, independent building blocks, which can be re-used in multiple document workflows.

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This approach has several advantages:

- Maintenance of the elements is simple – there is no clutter

- Applying simple changes to a corporate design is just a matter of minutes

- Access to elements can be controlled via a security interface, allowing responsibility for business specific content to be managed at source by non-technical staff

- Complex print logic conditions are managed separately in the document layout projects

This clear and managed access allows a comfortable and low-risk maintenance of business document design.

Dynamic Document Layouts

Many business documents today are still based on a static layout of data. These old layouts still use a fixed header, footer and rigid layout of data in the body of the document.

The advantages of dynamic layouts are not just better looking documents, better communication with your customers and suppliers, but also in real cost terms, dynamic layouts save costs in both paper and postage. So the challenge is to create such dynamic layouts with a graphical design tool with no programming effort.

DoXite does this by applying the concept of "shrink to fit" to virtually every part of a document layout. Fixed size elements are, of course, allowed, where required. But the dynamic approach means the user does not have to think

DoXite for SAP® Systems is the Ideal Complement to SAP® Tools, because the Solution …

- offers functions for automatic distribution and sorting of SAP® documents via several output channels (print, archive, email, file) using distribution lists.

- supports special functions for printed output:
  tray selection, adding supplements/forms per document.

- includes functions for envelope package control, prepares the output (incl. collection of various document types per envelope) for postage optimization.

- supports output of additional marked copies for all output devices.

- produces barcodes for all output devices incl. archive without requiring barcode fonts on the output device.

- completes SAP® output by adding external resources, e.g. data-controlled insertion of graphic data, dynamic insertion of images in publishing (e.g. ad invoice with inserted ad) and thus also supports possibilities of personalizing the documents.

- supports existing SAP® documents (all SAP® data output formats: OTF/SAP®GOF, RDI, ABAP®- List, XSF), processes them further or refines them.

a great deal about how best to design a document to cater for many different possible output options – DoXite takes care of optimizing the layout automatically.

Customer-Oriented SAP® Document Optimization

Documents produced with DoXite reflect a company's individual identity. At the same time, many requests for personalization and customer orientation can be realized – no "off-the-shelf" documents.

Personalized Communication

The presentation of content and layout to suit the individual recipient is becoming increasingly important. Depending on features in the data, specific image files or special offers can be included in the document for the end user as required by personalized communication.

DoXite can even call external programs to access additional data not yet included in the input data stream and to integrate it into the document, such as information from databases or an automated internet research.

Adding External Documents to Complete SAP® Documents

Another frequent requirement is the addition of external documents or graphics to otherwise complete SAP® documents. For example, the image of an advertisement published for a customer could appear in the sales invoice.

Sorting for Postage Optimization and Electronic Stamping

Sorting the output documents is often required, e.g. to optimize and reduce postal costs. Typically documents will then be sorted on postal code, but possibly also combined with the name of the street in the address. Such sorting criteria can easily be defined.

The DoXite Process Control allows the controlled execution of a postage optimization software within DoXite after sorting and formatting.

Saving Costs with DoXite

DoXite drastically reduces the CPU load on the SAP® servers. Even highly complex documents can be designed quickly, as they are created via a clearly structured graphical user interface. The inclusion of conditions, settings for sorting, and the assignment of output channels are defined in this way.

DoXite is so user-friendly that even employees of the respective specialist department can modify layouts within the framework of the defined corporate design.

Complex workflows can be defined graphically. Of course, this also includes the integration of digital signatures.

In addition, the building-block principle allows highly flexible layouts. You can create documents dynamically. This saves paper and therefore postal costs.

Consolidation to One Document Composition System

DoXite can be used both for SAP® systems (SAP®GOF, RDI, XSF, XFP) and for all other business applications. Furthermore, special smartforms know-how is no longer required, as DoXite can be operated directly by the end user.

DoXite as Communication Platform for Data from Various SAP® Sources

Transformation to Different Data Formats

The GDI output driver allows the use of all output devices for which a Windows driver exists. DoXite serves as a communication platform for data form various sources – and especially for all data formats from SAP® ERP and SAP NetWeaver®.

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Sending SAP® Print Jobs as Email Attachments

DoXite breaks the data of an SAP® print job down to individual documents. Instead of printing them, or in addition to printing, DoXite can send the documents directly as emails.

Labels and Barcodes

Barcodes required for labels and other documents are produced by DoXite directly – also e.g. in PDF documents to be archived. Neither barcode fonts nor other special requirements for barcodes are necessary in the output devices. The barcodes are configured in the design tool, are verified automatically at creation and can be tested both on-screen and on printed output.

Easy Conversion of SAP® Documents to PDF/A Format

The ISO Standard 19005 for archiving PDF documents exists since 2005. This PDF/A standard specifies a PDF variant especially defined for the requirement of long-term archiving. PDF documents created with the means SAP® systems have at their disposal do not comply with this standard. DoXite also allows to produce PDF/A-compliant documents.

Sending Invoices with Electronic Signature

DoXite enables you to sign the PDF documents electronically before sending them via SAPconnect and simultaneously to archive the identical document with signature after successful sending. In this way, it is also possible to sign other document types for audit-proof archiving.

At a Glance: Advantages of DoXite for SAP® Users

Increase performance

- Relieve load on SAP® server
- Create document layouts faster and maintain them more easily

Use one tool for all documents

- No matter whether from SAPscript, RDI, smartforms, XSF or XFP
- Also supports other business applications

Save costs

- Uniform tool
- Dynamic forms – saves paper and postage
- Economical, user-friendly solution

Use additional features

- Bundling
- Splitting
- Sorting
- Barcodes
- Adding external resources (images, etc.)

Compliance with international standards

- XRechnung
- Factur-X
- ZUGFeRD

Economic Advantages of DoXite for SAP® Systems

Improved Performance in SAP® Document Development and Production

DoXite for SAP® systems allows the development and creation of SAP® documents with one single tool.

It is no longer necessary to use tools from different applications. The wide variety of SAP® scripts and tailor-made smartforms, which often had to be modified in a roundabout way by SAP® developers for each new release, are a thing of the past.

DoXite enables you to perform and test changes quickly and economically.

With DoXite, you can create forms suitable for bulk printing. Due to an approx. 30% faster performance, DoXite reduces the load on the SAP® system even when creating bulk printed matter. So you avoid a standstill of several hours.

DoXite can be fully integrated into an SAP® environment. Even the SAP® GUI print preview is supported, so that users will not notice that the documents were processed outside the SAP® system.

International Use

DoXite enables the internationalization of existing applications. It includes an integrated barcode library and can smoothly display each type of character set (e.g. Chinese) due to a combination of Unicode and TrueType fonts.

Why DoXite for SAP® Systems?

- Create visibly high-quality and appealing business documents

- Produce dynamically designed document for print and electronic media with data from many applications, in addition to SAP® systems (ERP)

- Output documents easily and economically in parallel to different channels

- 100 % Unicode for international use of LTR character sets

- Perform and control complex process workflows in print and document management

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The building block concept for the individual elements of the document greatly reduces the costs of service and long-term maintenance. At the same time, it greatly eases the regular maintenance and update of the corporate design.

Highly flexible document layouts optimize documents for individual customers and therefore contribute to a better and clearer business communication.

Electronic invoicing

Companies can streamline electronic business transactions between each other by exchanging information in machine-readable XML formats using DoXite. Any data or document content can be converted into customized XML formats and automatically processed by business applications, eliminating the need for manual data entry.

DoXite 9.1 supports XRechnung 2.2.0 – which has been mandatory for sending invoices to German public-sector customers since August 1st, 2022 – as well as the Factur-X and ZUGFeRD standards, which meet the latest European Union requirements for electronic invoicing. These standards prescribe specific XML data exchange formats to support seamless commerce between organizations. For example, a valid telephone number and an email address must be automatically transmitted to ensure that contact can be made directly with the responsible person at the biller in the event of problems with an invoice. DoXite also includes a validator so that comliance with the valid XRechnung standard can be checked as soon as the document is created.