



DXC WebScan – Digitization of paper Documents: Customizable and Scalable

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The further digitization progresses, the more it is negatively impacted by the processing of the remaining paper documents. Efficiency therefore means digitizing paper documents quickly and in line with demand. Only then can the existing processes of a modern organization be used efficiently.

Setting up centralized scanning solutions is cost-effective however, using them for paper that is incoming from various locations slows down the business processes unnecessarily. In addition, although decentralized scanning solutions can offer more flexibility, they will typically increase the cost of both operation and training. What to do?

DXC WebScan combines the advantages of both worlds: with a scalable server backend and lean web customers, DXC WebScan reduces operational costs whilst providing fast, flexible and agile customization to meet the customer's needs. A distribution of scan customers across all your locations is possible, as well as the grouping of several scan customers into processing centers with a high scan-throughput.

Thanks to the central administration, the DXC WebScan landscape will always remain consistent.

In the scan locations, the subject matter experts can uniformly keyword the documents and prepare them for downstream processes. DXC WebScan supports them with automation options and metadata extraction. This reduces the number of manual interventions and increases the quality of results. DXC WebScan quickly delivers documents to where they are needed for further processing.



A customizable solution mapped for the customer

DXC WebScan is a sophisticated standard product. But when in use, DXC WebScan becomes as individual as the customer's requirements. A flexible configuration and a toolbox of lean DXC project services get our customers to their destination quickly.

The product DXC WebScan

DXC WebScan is in a constant state of change. With each individual project, both experience and improvements flow back into the further development of the product and the service catalog.

Always aligned with the needs and feedback of users and customers, a solution has been developed since 2015 that focuses on the essentials: being the best tool to support the work of the user.

The streamlined, task-centric web customer guides users through a customizable process. When scanning, validating and indexing paper documents, unnecessary functionality and process steps are hidden: The user can focus entirely on the documents. This leads to high user acceptance.

Thanks to the customer-server architecture, the customers have full flexibility in distributing their scan locations. Simply by setting up a thin customer with a scanner and connect it to the server via a network connection.

Rollout of DXC WebScan

Whether it's a demo installation or a company-wide roll-out of DXC WebScan - we help achieve goals quickly.

We have turned DXC WebScan into a toolbox of lean best practices and robust tools. Our consultants select from it what is fitting for the project at hand.

Together with the customer, our consultants assemble the individually suitable configuration from the three basic components of DXC WebScan (user roles, document types and process steps). Managing them is then as easy as processing documents: A clear, modern web interface allows the customer to add, remove and reconfigure process steps with just one click. The management of user roles and document types is just as convenient.

Integration-friendly interfaces

Because of its modular architecture, DXC WebScan can be seamlessly connected to a wide variety of systems. Interfaces can be easily added and exchanged, as can scanner drivers. New interfaces can also be developed with reasonable effort.

Already today, a variety of interfaces exist that can be used in a configurable way for customer-specific system integration.

The TWAIN drivers provided by each manufacturer are required for the scanners to be connected, whereby their functionality can be conveniently controlled via the DXC WebScan administration interface.

For the management of permissions and roles, the administration options of DXC WebScan can be supplemented by LDAP and Active Directory. The use of single sign-on is also possible.

Alongside export options to various document management systems and e-file systems from different manufacturers, e-mail servers and file storage systems can be connected for both document export and document import.

For special functionalities such as OCR and ICR as well as electronic sealing and signing of documents, DXC WebScan relies on the expertise of specialists. In these domains, products from various manufacturers can be contacted, which allows our customers to use these products also beyond the business process "scanning".

Scalable architecture

DXC WebScan requires no specific hardware or software components. The application runs on commercially available customers and servers and supports a wide range of scanners from different manufacturers.

Each DXC WebScan installation consists mainly of two components: the scan customer and the server backend.

For the scan customer, a standard PC is used which, on the one hand is responsible for establishing communication between the scanner and the server and, on the other hand, for calling up the DXC WebScan web interface in a browser. The scanned files are transferred to the web server as soon as possible, where further processing takes place. In this way, computationally intensive processes are bundled and can be optimized centrally.

The data received is processed in the server backend; every step in the workflow that the user starts on the customer is effectively carried out here. The processes and documents submitted by all users are processed in parallel. In case a single server node no longer suffices for this processing, several application servers can be combined to form a cluster. This gives you the freedom to start with a small DXC WebScan installation that can grow with your needs later on. Also, different server nodes of a cluster can be distributed across different locations to create a highly available cluster.

Security and compliance

Security threats are increasing, as are regulatory requirements. Depending on the documents you want to process, the challenges will also grow. Fortunately, DXC WebScan will grow with them.

DXC WebScan uses secured transport and storage for the scanned pages and documents to meet the high security requirements for confidential documents in the scanning environment and process.

When it comes to digitizing paper documents, companies must comply with all relevant legal, data protection and regulatory requirements in their digitization efforts.

For the German administration, where DXC WebScan originated, compliance with the regulations of the German Federal Office for Information Security (BSI) is relevant.

With the BSI TR 03138 RESISCAN guideline, the BSI has published both organizational and technical requirements for legal security in replacement scanning. These strict rules specify requirements for the verification of all tasks performed during the scanning process, quality control and traceable post-processing of image data. Thanks to the successful certification of the use of DXC WebScan and the organizational environment, the Baden-Württemberg judiciary has been included in the BSI list of certified systems since 2019.

Learn more at
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