

# CSDE Web Services



**The web services of the “Content Software Document Explorer“ (CSDE) provide services that are available via Intranet/Internet. The individual functions of the CSDE can be combined and used individually within user-specific surfaces and web applications.**

**The CSDE web services fully integrate the Content Software Document Explorer into existing Intranet or Internet portals. They provide all documents and publications stored in the “Content Software Repository“ (CSR). Individual search functions can be generated on the basis of lists containing all document, company and financial instrument attributes.**

**Access to all latest documents and publications, search for document attributes stored in the CSR and full text document search is therefore possible within your individually developed software applications.**

**The CSDE web services can be run and used simultaneously to the CSDE web surfaces. In order to use the CSDE web services you need to install the Content Software Document Explorer.**

## The benefits to you

Web-/ rich-client applications based on the CSDE web services offer the following functionalities:

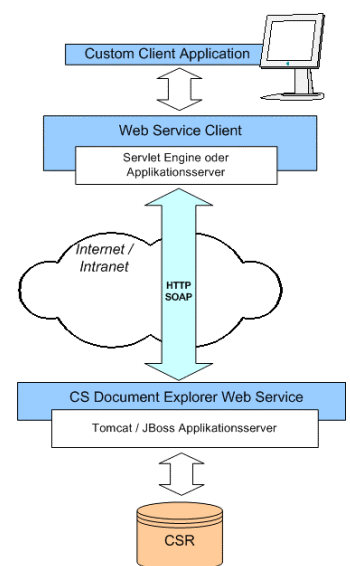
- Flexible document search within the CSR; all data linked to the documents such as companies, sectors, language and document type can be used as search criteria.
- Full text document search.
- Fast access to all up-to-date documents and publications in a user specific web or rich-client application.
- The implementation of additional libraries and frameworks (e.g. Axis) if clients are developed with Java.
- The complete graphical and functional integration into existing portal applications of the functions offered -under consideration of:
  - o Existing layouts.
  - o Company “Style Guides“.
  - o Special ergonomic requirements.
  - o Special Internet browser settings (e.g. support of special browsers).

## The Architecture

Web services have interfaces that can be defined and described in a standardized manner. Through XML-based information (SOAP) and exchange via open Internet-based protocols (HTTP) a web services architecture supports the direct interaction between software modules regardless of the technology (J2EE, .NET). Web services are independent of platform, protocol and language and should therefore be your first choice when integrating new or existing applications into complex IT landscapes. Within a heterogeneous landscape the CSDE web services allow you a smooth and secure integration of the server product “Content Software Repository“ (CSR) and all its functional variety.

## System requirements

Besides the installation of the Content Software Document Explorer the CSDE Web Services need a servlet engine (e.g. Tomcat) or alternatively a common application server (e.g. JBoss). To connect to the web services you need an Internet or Intranet connection via HTTP. In case clients are developed with Java additional libraries and frameworks (e.g. Axis) can be used.



Cap. 1: Technical Architecture CSDE Web Services

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