

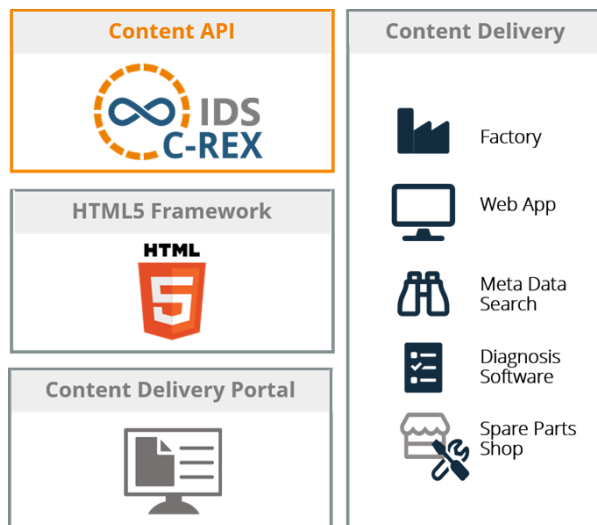
c-rex.net IDS – Information Delivery Service

Providing information - tailored to the needs of people and machines

c-rex.net IDS is the software module for information delivery, for content delivery.

Content Delivery has a wide range of use cases and users. Besides people, machines and cloud systems need information about products.

More and more use cases like predictive maintenance or the digital nameplate as defined in DIN EN 17071:2019-05 require new approaches to content delivery.



Content-API

To manage these different scenarios, c rex.net IDS provides a content API for company and product information.

With our API, any use case can be implemented by querying required content in a structured and systematic way.

c-rex.net IDS Connector

In addition to the content API, we provide a framework that makes it easy to integrate content queries into existing portals.

For example, you can use this to integrate content queries into a spare parts catalog or other customer portals.

When developing this framework, which is based on HTML technology, we made sure that the complexity is reduced to a minimum. This means, for example, that external web agencies can also integrate new functions independently and easily.

Content-Delivery out-of-the box

Based on the c rex.net IDS connector, we offer a portal solution out-of-the-box that provides everything that modern content delivery portals have to offer.

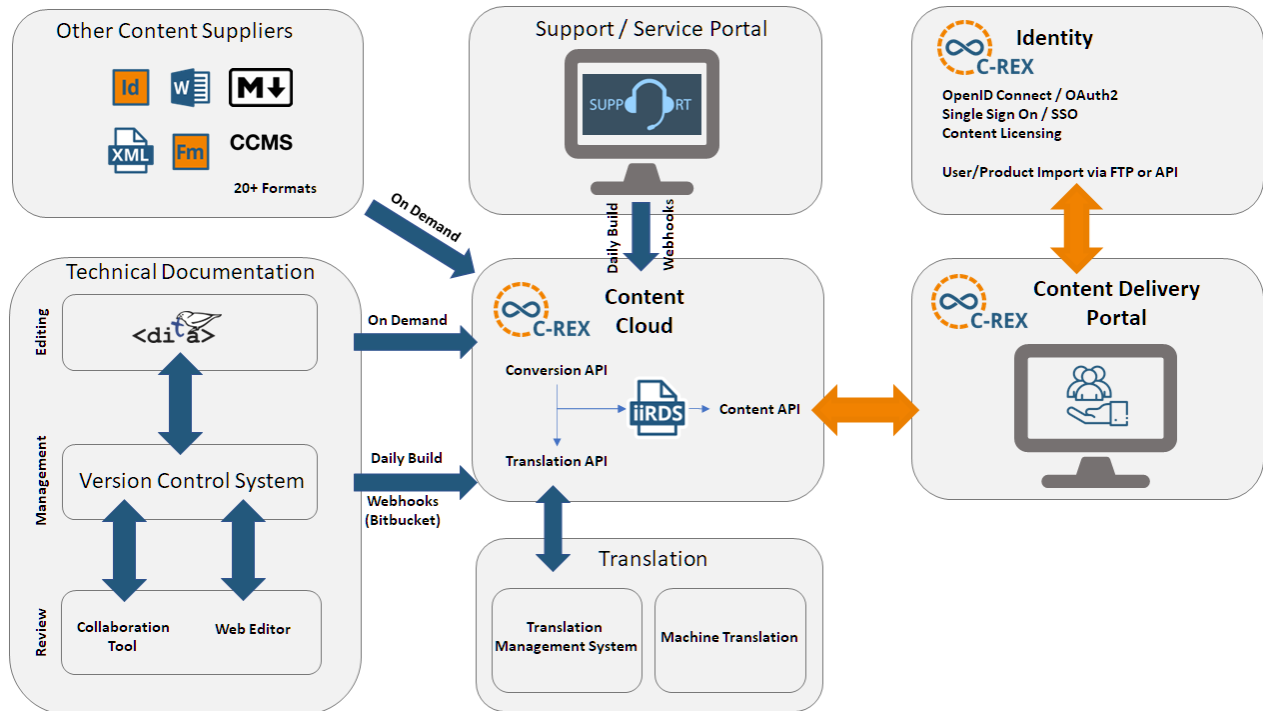
Our information delivery software component is fully HTML5-based and uses client-side rendering (CSR). In practice, this means that content delivery functionality can be distributed and thus integrated into your existing infrastructure.

What makes our approach special is the so-called 'headless' approach. You don't see our information delivery service. It appears as functionality in your customer portal, on your website, in your corporate design.

Example of a system environment for Content Delivery

The following figure shows an exemplary system environment for the delivery of information and the way to get there.

A fully automated editing and publishing workflow is shown.



Environment for providing information and integration into a fully automated workflow

Fully automated publication

The c-rex.net DTS data services (Content Cloud with Conversion and Translation API) connect to the content in the editor and integrate with the existing daily build process for **fully automated publication to a content delivery portal**.

When using a GIT-based version control system, it is also possible to use webhooks to control publication in the production portal or in a test environment.

Fully automated translation

Likewise, you can use the same interface to set up a **fully automated translation process** with the support of machine translation such as DeepL or with the connection of a cloud-based translation management system.

Always up-to-date content

The c-rex.net Content Delivery Portal dynamically retrieves the documentation packages managed behind the Content API, ensuring that up-to-date data is always available.

Flexible user management

c-rex.net Identity provides **user management** based on OpenID-Connect (OIDC) and OAuth2. This makes Single Sign On (SSO) possible. Simply integrate your OpenID-Connect-enabled authentication services.

Content licensing, personalized or role-based access to information

You can implement **content licensing** with c-rex.net Identity. Access to specific content is granted to information users only if they have purchased or installed a specific product or licensed content such as training material or similar.

Flexible and complete automation environment

With c-rex.net DTS and IDS, tools are available to transform content from different inputs (editorial, support, etc.) into different output formats in the same workflow and publish it as a PDF or Word publication and simultaneously on the Web.

Content Delivery and the iiRDS standard

Based on our activities in the iiRDS working group and our membership in the iiRDS consortium, c-rex.net IDS was the first system to support iiRDS in 2017 and has been following the development of the standard ever since.

This is one of the reasons why the architecture and technology of our system is based on iiRDS, **Linked Data Technology** and RDF, making it possible to centrally link company and product information without duplicating content.

Blogbeiträge über Content Delivery mit c-rex.net IDS

Many of our blog posts are about content delivery.

Feel free to look at our blog!

- ✓ ['API driven architecture', 'Headless CDP' or why headlessness can be an advantage](#)
- ✓ [c-rex.net as a hub for data](#)