
CumulusPro

Cloud Archive

Product Summary

version 0.1

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VERSION

DATE	AUTHOR	VERSION	DESCRIPTION
25 January 2024	Arnoud van Heumen	0.1	First version



1 SUMMARY

CumulusPro Cloud Archive is a solution that offers capture, storage and protection of documents and will only be accessible by authorized users from anywhere – or only in the customers azure cloud environment.

The archive can store any type of document type or format – and can be configured in the customer own Microsoft Azure environment.

1.1 Benefits

The CumulusPro Cloud Archive will be able to store all your paper documents but can also store all your digital documents – such as PDF documents, emails and all office documents. All these documents can be indexed in a way that makes sense to your organization.

2 FEATURES

Below an overview of all CumulusPro Cloud Archive features.

Customer Azure Environment

CumulusPro Cloud Archive is a solution completely build in the Microsoft Azure suite. That gives us the opportunity to configure- and setup the complete solution in any customer Microsoft Azure environment. The benefits for the customer will be:

1. Fits in customer Microsoft Azure strategy
2. Make use of customer own azure security policies to manage access to data- and documents
3. All documents are stored in customer own Microsoft Azure environment
4. Scalability of the archive is easy to adjust on business needs

CumulusPro Archive Connector

The CumulusPro Archive Connector is responsible for all communication between the CumulusPro Cloud Archive and all other external components and will reside on the CumulusPro Azure platform. The storage- and search of documents will go through this connector.

Store documents in one- or multiple archives

Depending on the customer needs – it is possible to store the document in one big archive – or create multiple separate archives. Do you have multiple business units that needs to store the documents separately? Or maybe you have to separate legal- and financial documents? Then it might be useful to separate these documents by creating multiple archives.



Secure documents

CumulusPro Cloud Archive supports all security features that Microsoft Azure has to offer. We can set user access rights on Archive-, Organization-, Tenant- and document level so you can define who has access and what kind of access the user has.

Deleting- and retention time of documents

The CumulusPro Cloud Archive supports retention time on documents for each individual document type in the archive. It is possible to set for example 7-year retention time on invoices and 10-year retention time on legal documents. Also possible to store the documents without any retention time – so the documents will be in the archive as long the business needs it to be available.

Web User interface for user indexing

CumulusPro also offers a document capture and indexing platform which enables customers to store documents quickly and easily from multiple channels into the CumulusPro Cloud Archive. A user-friendly Web interface makes it possible to validate- and index documents based on the business requirements before the document is stored in the CumulusPro Cloud Archive.

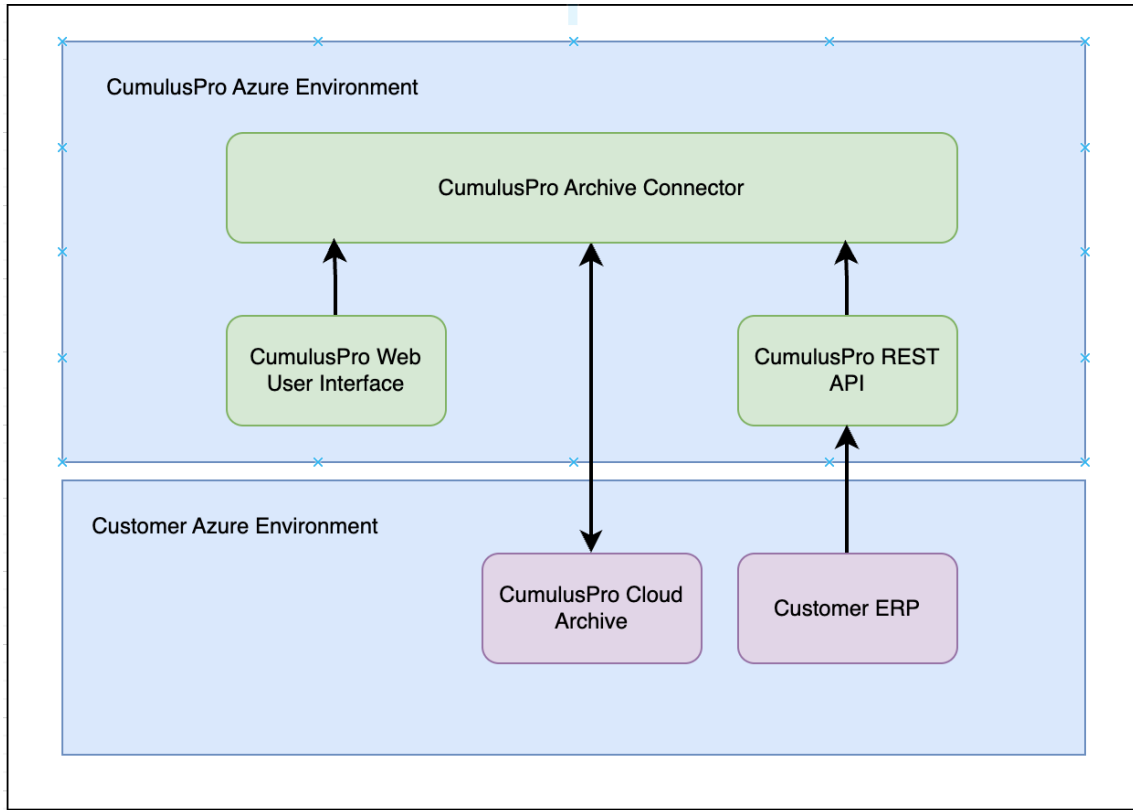
Seamless Integration in existing ERP

It is possible to integrate the CumulusPro Cloud Archive into any ERP system – for example a Transport Management System, Dealer Management System or any Financial system. Easily store all transport documents in the CumulusPro Cloud Archive – and make all these documents available in any Transport Management system. CumulusPro can provide a REST API Swagger platform so that any technical consultant can make this integration work. Of course our API platform is secure and will follow any security rules that the customer has defined.

Single Sign-On (SSO Authentication)

For secure and convenient authentication, a customer can use Single Sign-On (SSO) to use the credentials of just one account for the CumulusPro Cloud Archive. To do this, you need to connect your organization to an identity provider. CumulusPro supports Microsoft Azure Active Directory, Google, and many other identity providers.

Schematic Overview



3 TECHNICAL DESCRIPTION

Below a complete overview of how the digital archive is integrated in an Azure environment. This overview will show not only the Azure components that are needed at the customer site but will also show components and setup at CumulusPro. Both Azure environments will have an integration between each other.

All data (documents) will be stored on the customers Azure environment – and therefore will be always available for the customer. The CumulusPro Archive Connector is responsible for all business logic to store- and retrieve documents from the CumulusPro Cloud Archive.

3.1 Schematic overview

<PICTURE>

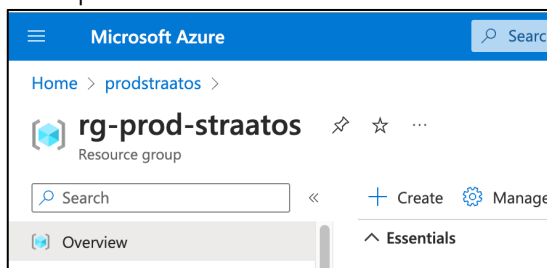
3.2 Azure components

In the next paragraphs all needed- and optional Azure components will be explained.

3.2.1 Resource Group

A resource group is a container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. CumulusPro recommend creating a resource group for every environment (TEST / PROD).

Example:



3.2.2 App service

Azure App Service is an HTTP-based service for hosting web applications, REST APIs, and mobile back ends. CumulusPro uses this App service

3.2.3 Search service

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3.2.4 Key vault

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3.2.5 Service Bus Namespace

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3.2.6 SQL server / database

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3.2.7 Storage account

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3.2.8 Virtual network

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