IBM Business Automation Content Analyzer on Cloud delivers a simple and smart software service that can be configured to classify documents and extract business data

At a glance

IBM Business Automation Content Analyzer on Cloud is a service that provides:

- A secure, scalable service that classifies and extracts data from documents
- A flexible monthly subscription
- Access from the public cloud
- A design tool that is fast, smart, and easy to configure by a business analyst
- Output that includes:
  - Key-value pair (KVP) data
  - Optical character recognition (OCR) full-text results
  - Searchable PDF files

Overview

Business Automation Content Analyzer on Cloud is a simple and smart software service that can be configured by a business analyst, rather than an IT resource. It offers an API that can be rapidly provisioned as a cost-effective cloud service for new and existing applications. This service can classify and extract data from documents that include optical character recognition of text on images.

Business Automation Content Analyzer on Cloud can be utilized for a variety of use cases that include:

- Extracting data from documents to accelerate business transactions in workflow processes by using Robotic Process Automation, or from within applications.
- Classifying documents for processing by data science tools.
- Extracting and formatting data from documents to use in analytics.
- Expanding and improving the capabilities of new and existing document imaging and capture solutions.

Business Automation Content Analyzer on Cloud is specifically designed to enable content owners and knowledge workers to get started quickly with a ready-to-use, cloud-based environment that is hosted in IBM Cloud™ data centers and managed by IBM.
Business Automation Content Analyzer on Cloud is the core data capture component of the IBM Digital Business Automation (DBA) platform. It enables organizations to efficiently and securely classify and extract data from large volumes of their content as they transform their business. This can significantly increase productivity and scale of organizations’ digital operations.

The DBA platform delivers an extensive set of capabilities to digitize key aspects of business operations. Digital transformation is about more than a reduction of costs in back-office processes. It is about the creation and engagement of highly responsive client experiences. A business automation platform enables clients to digitize and automate entire front-office and back-office operations with speed and scale, while it provides near real-time insight into their business. The DBA platform is a flexible automation platform that automates:

- Data capture
- Content management
- Process workflows
- Business decisions
- Repetitive human tasks

Key prerequisites

Business Automation Content Analyzer on Cloud requires an internet connection and a workstation with a browser.

For specific browser requirements, see the Technical information section.

Planned availability date

December 14, 2018

Description

Business Automation Content Analyzer on Cloud includes:

- A secure, scalable service that classifies and extracts data from documents
  
  A cloud service with a monthly subscription that is hosted in the IBM DBA Cloud and is managed by IBM. The service provides an API for processing documents. The service accepts PDF, image formats, which include TIFF and JPEG, and Microsoft™ Word document formats and returns data and optionally as PDF files.

- OCR with structured rich text
  
  Documents are converted to text by using OCR with positional information. Low-confidence OCR results are identified. Positional X/Y details are generated for every word within a document. Text font groups and styles are identified. Blocks of text, such as paragraphs, tables, and headings, are isolated and identified.

- Classification
  
  Documents are classified by type and document titles are identified.

- Data identification extraction
  
  Data values are identified and extracted into semantically normalized key-value pairs (KVP). Bar codes values are read.

- Table identification
Well-defined tables are extracted into two-dimensional arrays. The fidelity of the table structure can vary depending on the consistency of the table structure and visual attributes. Header rows are semantically normalized.

- Semantic normalization
  Semantic normalization maps the written variations of text labels within a document to consistent keys of the same meaning.

- Header identification
  Header identification finds section headers with the associated text of each section that are also encoded into KVPs. Documents can be optionally deconstructed in segments based on the headers with separate outputs of each segment.

- Watson™ natural language processing integration
  Documents can be optionally sent to Watson natural language understanding (NLU) for further processing. The results are aggregated in the service's output data. NLU entitlement must be purchased separately.

- A flexible, monthly subscription
  The service is offered as a monthly subscription that is based on the quantity of documents processed per month.

- A design tool for a business analyst that is fast, smart, and easy to configure
  Ontology Builder is a design tool accessed from the public cloud using a web browser. With Ontology Builder, a user can set-up document classification and data extraction.

- Output of KVP data, OCR full text results, and searchable PDF files
  The service outputs the rich data results in JavaScript™ Object Notation (JSON) or basic data results in text format in UTF-8 encoding. The JSON file output includes document classification, the KVPs, extracted tables, formatted OCR results, and metadata. In addition, the service can optionally output text searchable PDF files.

- Business Automation Content Analyzer on Cloud is offered with two orderable components:
  - Monthly subscription. This is based on the number of pages processed.
  - Additional ontologies. Clients can add ontologies within the same subscription.

**Section 508 of the US Rehabilitation Act**

Business Automation Content Analyzer on Cloud is capable as of December 14, 2018, when used in accordance with associated IBM documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it. A US Section 508 Accessibility Conformance Statement can be requested on the Product accessibility information website.

**Reference information**

For additional information on Business Automation Content Services on Cloud, see Software Announcement 218-167, dated March 20, 2018.

For additional information on Business Automation Workflow, see Software Announcement 218-372, dated August 14, 2018.

For additional information on Datacap on Cloud, see Software Announcements:
- 217-465, dated September 12, 2017
- 216-509, dated November 8, 2016
• 216-175, dated March 1, 2016
• 216-196, dated June 28, 2016

For additional information on IBM ODM on Cloud, see Software Announcements
• 218-387, dated September 25, 2018
• 218-259, dated June 12, 2018
• 216-502, dated December 6, 2016
• 216-020, dated February 16, 2016
• 215-258, dated September 22, 2015

Program number

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<tr>
<td>5900-A30</td>
<td>Cloud Service</td>
<td>IBM Business Automation Content Analyzer on Cloud</td>
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Offering Information

Product information is available on the IBM Offering Information website.

More information is also available on the Passport Advantage® and Passport Advantage Express® website.

Publications

Documentation for Business Automation Content Analyzer on Cloud can be found on December 14, 2018, in IBM Knowledge Center.

Services

Software Services

IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of our lab-based, software services team and the business consulting, project management, and infrastructure expertise of our IBM Global Services team. Also, we extend our IBM Software Services reach through IBM Business Partners to provide an extensive portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support a wide range of critical business needs.

To learn more about IBM Software Services, contact your Lab Services Sales or Delivery Leader.

Technical information

Specified operating environment

Hardware requirements

Business Automation Content Analyzer on Cloud requires:

• A workstation that supports one of the web browsers as listed in the Software requirements section
• A direct, internet connection
Software requirements
Business Automation Content Analyzer on Cloud requires one of the following web browsers:

- Microsoft™ Internet Explorer, current version for your operating system
- Mozilla Firefox, current version for your operating system
- Google Chrome, current version for your operating system
- Safari, current version for Mac OS

Companion products
The following products can be purchased with this product:

- IBM Business Automation Content Services on Cloud (5900-A2A)
  This core content management component of the IBM Digital Business Automation (DBA) platform enables organizations to efficiently and securely manage large volumes of their content as they transform their business to significantly increase productivity and scale of their digital operations. The DBA platform delivers an extensive set of capabilities to digitize key aspects of business operations.

- IBM Business Automation Workflow on Cloud (5737-I38)
  This DBA offering integrates the capabilities of business process and case management into a single workflow offering on the cloud. It unites information, process, and users to provide a 360-degree view of work. In addition to process management, workflow uses advanced analytics, business rules, and collaboration to drive more successful, optimized business outcomes. Business Automation Workflow on Cloud provides the same capabilities that are offered in the Business Automation Workflow offering, all within a ready-to-use, cloud-based environment that is hosted in IBM Cloud data centers and managed by IBM.

- IBM Datacap on Cloud (5725-Z39)
  This offering streamlines the capture, recognition and classification of business documents for use by business users and in applications. It supports the next generation of data capture, the cognitive era. Clients can identify, classify and extract content from unstructured or highly variable documents without manual intervention. It uses natural language processing, text analytics and machine learning technologies, like those in IBM Watson®. By applying cognitive capture to complex tasks, the solution can:
  - Significantly reduce labor and paper costs.
  - Deliver meaningful information.
  - Improve the responsiveness of customer service.

- IBM Operation Decision Manager on Cloud (5725-W47)
  Operation Decision Manager (ODM) on Cloud is a collaborative, role-based cloud service that is designed to capture, automate, and manage frequently occurring, repeatable, rules-based business decisions. Packaged in a monthly subscription, this service provides everything clients need to develop, test, and put rules into production that includes:
  - IBM tooling
  - Governance capabilities
  - A powerful rule engine

  Available exclusively on IBM Cloud infrastructure, managed by IBM, it delivers the market-leading Business Rules Management System (BRMS).

Planning information
**Packaging**
This offering is accessed through the internet. There is no physical media or electronic deliverable.

**Ordering information**

For ordering information, consult your IBM representative or authorized IBM Business Partner, or go to the [Passport Advantage](#) website.

This product is only available through Passport Advantage. It is not available as shrinkwrap.

These products may only be sold directly by IBM or by authorized IBM Business Partners for Channel Value Rewards.

More information can be found on the [IBM Channel Value Rewards](#) website.

To locate IBM Business Partners for Channel Value Rewards in your geography for a specific Channel Value Rewards portfolio, go to the [Find a Business Partner](#) page.

Product Group: Digital Business Automation

Product: IBM Business Automation Content Analyzer on Cloud (5900-A30)

Product Category: Hybrid Cloud

**Passport Advantage**

**IBM Business Automation Content Analyzer on Cloud (5900-A30)**

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<td>IBM Business Automation Content Analyzer on Cloud Additional Ontology Instance per Month</td>
<td>D010HZX</td>
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<tr>
<td>IBM Business Automation Content Analyzer on Cloud 1000 Pages per Month</td>
<td>D010FZX</td>
</tr>
<tr>
<td>IBM Business Automation Content Analyzer on Cloud 1000 Pages Overage</td>
<td>D010GZX</td>
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<tr>
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**Charge metric**

Definitions of the charge metric for this cloud service can be found in the following Service Description document:

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<td>IBM Business Automation Content Analyzer on Cloud</td>
<td>8237-01</td>
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</table>

Select your language of choice and scroll down to the Charge Metrics section.

Follow-on levels of this cloud service, if any, may have updated charge metrics. See the [Cloud Services terms](#) website. Search using the four-digit base Service Description number and scroll down to the Charge Metric section.

**Terms and conditions**
The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction for the acquisition of Cloud Services from IBM consist of either the IBM Cloud Services Agreement and the applicable offering Service Description or the IBM International Passport Advantage Agreement or the International Passport Advantage Express Agreement and the IBM Terms of Use - General Terms for Cloud Offerings and the applicable offering Service Description.

**Technical support**

Technical support is provided for Cloud Services and enabling software, as applicable, during the subscription period. Any enhancements, updates, and other materials provided by IBM as part of any such technical support are considered to be part of the Cloud Service, as applicable, and therefore governed by the applicable agreement as defined in Client's quote or transaction document. Technical support is included with the Cloud Service and is not available as a separate offering.

Additional technical support information for this Cloud Service offering may be found in the IBM Support Handbook or in service-specific documentation.

**Service Description**

The following Service Description document applies to the offering in this announcement.

<table>
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</tbody>
</table>

Follow-on levels of this cloud service, if any, may have updated terms. See the Cloud Services terms website and search using the four-digit base Service Description number.

**Limited warranty**

See the warranty defined in the applicable agreement governing client's acquisition for this offering.

**Money-back guarantee**

No

**Volume orders (IVO)**

No

**Passport Advantage applies**

Yes, information is available on the Passport Advantage and Passport Advantage Express website.

**Usage restrictions**

Yes

For any usage restrictions, see the Service Description document.

Follow-on levels of this cloud service, if any, may have updated terms. See the Cloud Services terms website and search using the four-digit base Service Description number.
Other support

Passport Advantage

Educational allowance available

No.

Statement of good security practices

IT system security involves protecting systems and information through intrusion prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a regulatory compliant, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective.

Important: IBM does not warrant that any systems, products, or services are immune from, or will make your enterprise immune from, the malicious or illegal conduct of any party.

Prices

Business Partner information

If you are an IBM Business Partner acquiring products from IBM, you may link to Passport Advantage Online for resellers where you can obtain Business Partner pricing information. An IBMid and password are required to access the IBM Passport Advantage website.

Passport Advantage

For Passport Advantage information and charges, contact your IBM representative or authorized IBM Business Partner for Channel Value Rewards. Additional information is also available on the Passport Advantage and Passport Advantage Express website.

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