

# IBM® Content Analytics Crawler for Novell

*A convenient way to enable full text search in  
Novell NetWare file shares*



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## Highlights

Enables *IBM Content Analytics with Enterprise Search* to search over Novell NetWare file system volumes

Supports secure search respecting the Novell file security

Supports multiple file types including archive files

Fast update crawling

No need to have the Novell client installed to get access to the files

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*IBM Content Analytics with Enterprise Search* provides scalable, secure, high quality enterprise search and analytics and includes pre-built integrations for indexing data and content from file shares, databases, collaboration tools and web sources.

The *IBM Content Analytics Crawler for Novell* enlarges the *IBM Content Analytics* search and analytics scenarios for content residing on Novell NetWare volumes respecting the access control limitations of these files.

## Solution Description

The *IBM Content Analytics Crawler for Novell* asset adds Novell NetWare file systems as a document source for *IBM Content Analytics with Enterprise Search*.

Existing access control limitations on the files are respected during the search, based on the original Novell trustee assignments. Novell security is mapped completely to index metadata to allow both fast and secured search.

The *IBM Content Analytics Crawler for Novell* asset offers fine grained configuration options to define which content from the Novell volumes should be insert into the full text index. Even searching inside the content of archive files from the most popular archive file formats, like ZIP or TAR, is supported.

The content of the found documents can be delivered to the user via the search application, thus enabling users that do not have the Novell client installed to access their files.



## Technical Information

The *IBM Content Analytics Crawler for Novell* uses a 2-staged crawling approach, working on a relational database that contains meta-information of the files to be indexed.

The crawler agent component uses the Novell NetWare client to walk through all directories of a given path or volume on Novell NetWare and fills the database with the meta-information and the access control limitations of the files.

A crawler plug-in component then maps the data from the database to the full text index and retrieves the actual content of the files.

The crawler database is also used to ensure that update crawls only add new and updated documents to the index.

The asset also contains a module that automatically enhances the security context of the searching user with his Novell group membership information from the directory service (e.g. from Novell eDirectory).

This module can be plugged in to the *IBM Content Analytics* search application and enables security-aware searching of the files from the Novell NetWare volumes.

Users are able to download the content of the found document via the *IBM Content Analytics* search application. There is no need to have the Novell client installed locally to access these files. A user needs at least read access to a file to find and download it.

## Supported Versions

Currently tested versions

- *IBM Watson Content Analytics* 3.0 and 3.5
- *IBM Watson Explorer Advanced Edition* 10.0 (Analytical Components).

For support of non listed versions please contact the Germany Asset Support Center of the ECM Software Services team, reachable via email: [gerasc@de.ibm.com](mailto:gerasc@de.ibm.com)

## Service Offering

- Runtime Version per *IBM OmniFind / IBM Content Analytics* System
- Installation and configuration support



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