IBM® Encryption Foundation for FileNet® Content Manager

For encryption of confidential documents

Highlights

Encryption and decryption of documents archived in *IBM FileNet Content Manager*

Encryption of documents during import to *IBM FileNet Content Manager*

Change of users, which are allowed to decrypt an archived document

IBM FileNet Content Manager provides an extensive authorization model to restrict the access rights for specific documents. Particularly with regard to the storage of sensitive documents it becomes necessary to encrypt the contents of these documents and to ensure that the documents can only be read by authorized people. *IBM Encryption Foundation for FileNet Content Manager* provides a toolbox to create a solution in interaction with *IBM FileNet Content Manager* for storing encrypted documents.
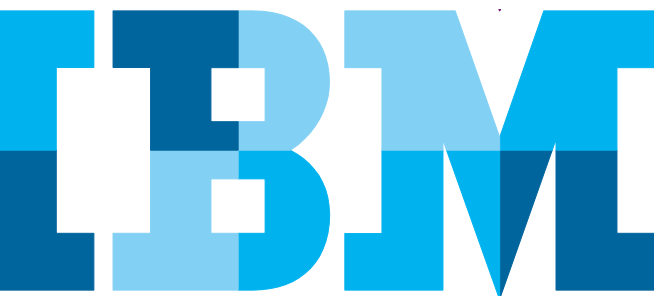
Solution Description

The encrypting component is an extension for the *IBM Signature Foundation for FileNet Content Manager*. With *IBM Encryption Foundation for FileNet Content Manager* we provide a technique to archive documents encrypted. Furthermore documents are protected against unauthorized access. Therefore a public key infrastructure is necessary.

- Encryption of documents during the archive process to an ECM repository

- Encryption of a already archived documents

- Decryption of archived documents

- Increase and reduction of the users who are allowed to decrypt an archived document

The mapping between the encrypted document and the authorized users is provided by a so called content access list. It contains information about the authorized user and the encryption details, which suites to a particular document.

Decryption of the document content is done through the private key of the authorized person. For usage of this private key a project-specific integration in an existing public key infrastructure needs to be done.

Restrictions

The required modules of PKI vendor are not included. To include *IBM Encryption Foundation for IBM FileNet Content Manager* in a customer environment a project-specific analysis is necessary.

Technical Information

The *IBM Encryption Foundation for FileNet Content Manager* offers program components to integrate customer specific applications. A manual including an overview of the architecture and a description of the interface is also part of the delivery. Furthermore an assistance of IBM Software Services ECM for the project is essential

Cross References

A comparable integration of the signature solution in *IBM Content Manager* is in preparation. The encryption solution is also available for *IBM FileNet Content Services* and *IBM FileNet Image Services*.

IBM Signature Foundation for FileNet Content Manager provides a solution to sign documents with a digital signature.

A client component enables users to view encrypted documents.

Supported Versions

Currently tested versions

- *IBM FileNet Content Manager*

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**

Service Offering

- Runtime Version per *IBM FileNet Content Manager*

- Support during installation and configuration

Use Cases

- Encrypted documents i.e. confidential documents in HR, contract documents which should not be read by administrator, only read by defined accessor list.

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