

DICOM – Java Sample Code:

The DICOM SDK provides for opening the DICOM files.

The Following method identifies how to use the DICOM SDK: -

[Object loadDocument\(InputStream partStream,int numberOfParts,String mimeType,InputStream annotationStream, InputStream resourceStream\)](#)

Function Details:

This function is used for initializes processing of a document by the Health engine

Parameter Details:

partStream: An Input Stream containing the data for the document. If the document is a multi-part document, this Input Stream contains the data for the first part of the document.

numberOfParts: The number of parts this document is composed of. This will be 1 for a single-part document.

nPartSize: The file size of first part of the document.

mimeType: The MIME content type of the first part.

annotationStream: An Input Stream containing the annotations for the document.

resourceStream: An Input Stream containing engine specific resources.

Calling of Function:

MSTechDocumentEngine engine;

engine.loadDocument(partStream,numberOfParts,mimeType,annotationStream,resourceStream)

[int getNumberOfPages\(Object hDocument\)](#)

Function Details:

Returns the number of pages in the document

Parameter Details:

hDocument: the handle of the document for which page count is required, as returned from load Document.

Calling of Function:

MSTechDocumentEngine engine;

engine. getNumberOfPages(hDocument) ;

[Object loadPage\(Object hDocument, int page\)](#)

Function Details:

Initializes the processing of loading a page within the document

Parameters Details:

hDocument: The handle of the document, as returned from load Document.

page: The index of the page. Note: The index of the first page is 0.

Calling of Function:

MSTechDocumentEngine engine;
engine. loadPage(hDocument, page);

Image getPageImage(Object hPage, int rotation, double scale, boolean enhance, boolean invert, boolean withAnnotations)

Function Details:

Returns the Image object corresponding to the handle of the page specified

Parameters Details:

hPage: The handle of the page, as returned from loadPage.

rotation: The rotation of the page. The parameter could have one of the following possible values:

ROTATE_0 - No rotation

ROTATE_90 - Rotate right by 90 degrees.

ROTATE_180 - Rotate 180 degrees.

ROTATE_270 - Rotate left by 90 degrees.

scale: The scale for the page (1.0 is actual size)

enhance: If true, the page would be enhanced to improve text readability if possible.

Invert: If true, The image would be inverted.

Calling of Function:

MSTechDocumentEngine engine;
engine. getPageImage(hPage, rotation, scale, enhance, invert, withAnnotations);