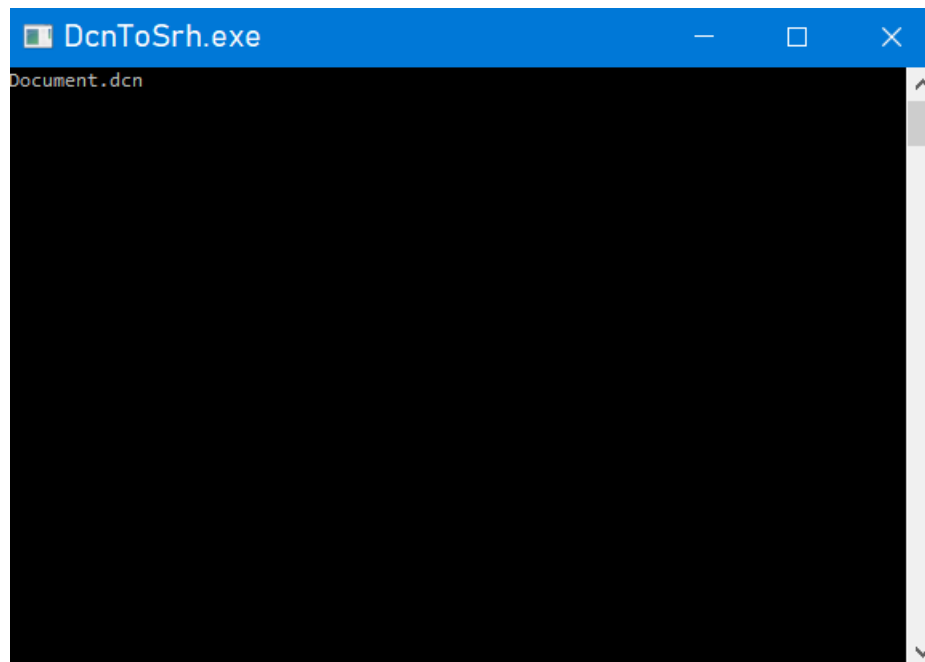# Doconut Search Manual

In order to search inside any document type, Doconut requires a SRH file. It is an OCR format which makes a document "searchable". In order to generate a SRH file, it requires a DCN (Doconut) file format that is an intermediate format between the actual document and the SRH file.

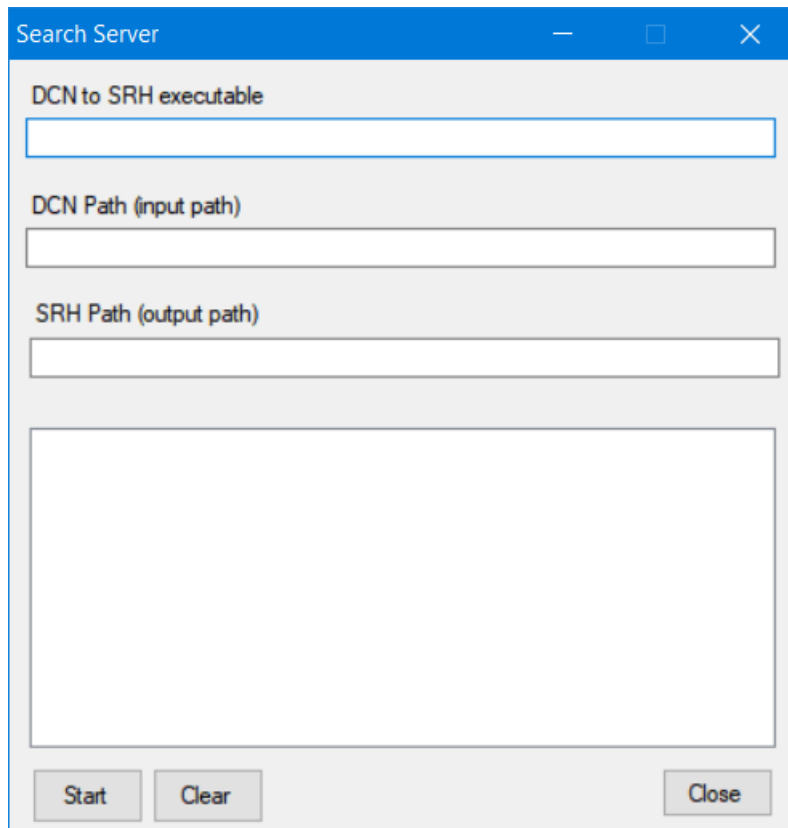The "DcnToSrh.exe" utility converts DCN to SRH. It is a command line utility.

As you run the executable within a folder that contains DCN files. It converts them to SRH and the output is inside "Search_Out" folder.

The utility expects following parameters:

- Input path
- Output path
- -w (Optional; to wait for user input once finished)
- -d (Optional; delete DCN file once done)

In order to automate this process there is a "Search Server" application provided within the zip. This application will keep a watch on the input DCN path and once it finds a DCN file, it will launch an instance of "DcnToSrh.exe" to convert it to SRH.

As shown in above picture, the search server requires path to the DcnToSrh.exe, the input DCN path and output SRH path. When running the Search MVC sample the input and output paths are inside "**\files**" website folder. You can set these values in the app.config file of the EXE.

Following are the steps:

- The Search MVC project opens up a document, and creates a DCN file on server, in the input path mentioned in Search Server executable.
- The Search server is reading that path, once it finds a DCN it starts its conversion
- It outputs the SRH file, in the output path mentioned in Search Server executable.
- The Search MVC project has a JavaScript timer that is waiting for this SRH.
- As soon as it finds it, the SRH file gets loaded into the viewer.
- The viewer is now able to search any text.

If you have any questions please email admin@doconut.com