CADViewer JS – Generating Automated Hotspots in drawings

Method 2:

Generating Hotspots in drawings using AutoXchange.

Creating hotspots server side with AutoXchange ahead of time instead of doing an on-the-fly conversion from CADViewer JS can save valuable time and computing resources, especially with very large files.

For small and medium sizes drawings the execution time does not differ much using on-the-fly conversion compared to conversion ahead of time.

The process to create an SVG file with hotspots ahead of time, can be done on both Windows and Linux.

 It is illustrated with Windows below, **but the process is similar on Linux**, the only difference being that the executable on Windows is >ax2017 and on Linux it is $./ax2017_L64_01.

Please follow general **CV-JS install instructions** on Linux on how to associate .so libraries needed.

1: Navigate to the install folder of AutoXchange 2017:

C:\xampp\htdocs\CV-JS_2_5_1\converters\ax2017\windows>

2: In AutoXchange 2017 folder, check that the AX2017 is running properly:

>ax2017 -?

3: Build the command line:

The following command that needs to be used are:

-i= : input file name, this can also include path
-o= : output file name, this can also include path
-f=svg : output format, this must be specified to SVG
-model : specify the converter to use the model space of the drawing
-rl= : specify the name of the room layer
-tl= : specify the name of the text layer

Optional:

-treatas= : some formats like Microstation DGN uses a different file name extension PCF to encapsulate DGN files, AutoXchange needs to be told that. In this case the parameter is: -treatas=dgn. This is not needed for AutoCAD DWG drawings.