

Interim Solution to Convert Catia V5 R29(3D) using Centro 7.8.0

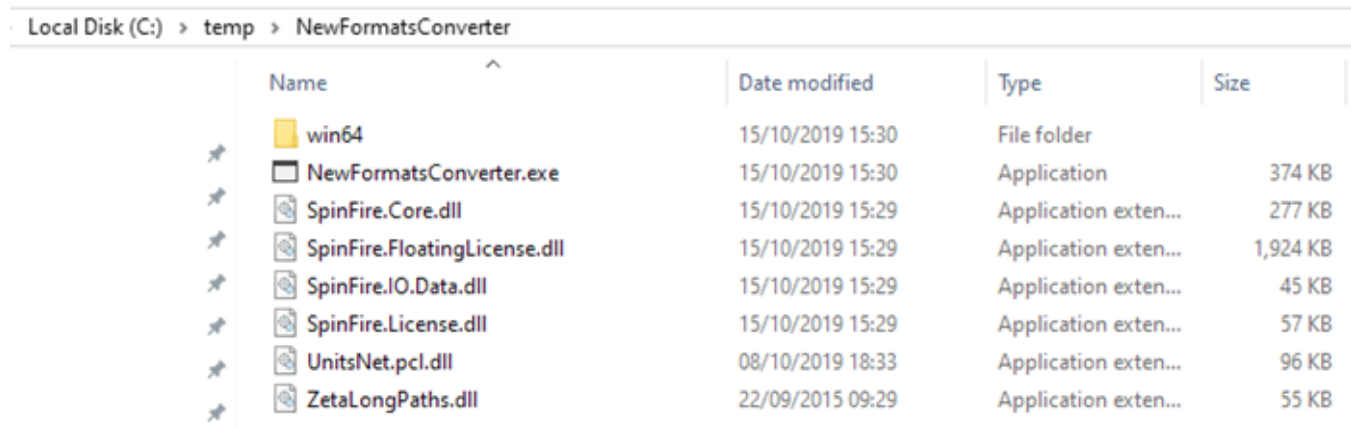
In order to open your Catia V5 3D RC29 files you will need to convert them to another format(PRC or Step) so you may open them in SpinFire 11.7.0 or 11.6.4. SpinFire Ultimate 11.7.1 will have Catia V5 R29 3D implemented into it, allowing you to open them without conversion workaround provided on this page.

Download

<http://downloads.actify.com/SpinFireUltimate/x64/NewFormatsConverter.zip>

Steps:

Unzip NewFormatsConverter zip to a suitable location on your Centro server



Name	Date modified	Type	Size
win64	15/10/2019 15:30	File folder	
NewFormatsConverter.exe	15/10/2019 15:30	Application	374 KB
SpinFire.Core.dll	15/10/2019 15:29	Application exten...	277 KB
SpinFire.FloatingLicense.dll	15/10/2019 15:29	Application exten...	1,924 KB
SpinFire.IO.Data.dll	15/10/2019 15:29	Application exten...	45 KB
SpinFire.License.dll	15/10/2019 15:29	Application exten...	57 KB
UnitsNet.pcl.dll	08/10/2019 18:33	Application exten...	96 KB
ZetaLongPaths.dll	22/09/2015 09:29	Application exten...	55 KB

- Create a Custom Pipeline with a Directory Watcher or Polling Directory Watcher trigger

Example:

Create Watched Directory : **C:\Centrofolder\in\V5-6R2019** (Original Catia Files)

Create "Run Process" Action and direct "Process Path" , for example to **C:\install\newformatconverter\NewFormatsConverter.exe**

Under Process Arguments set to "changed file dynamic" with an output to **-out C:\Centrofolder\tmp\V5-6R2019** to create PRC to this temporary location.

Directory Watcher configuration

Trigger name

newconverterVerzeichnisbeobachter



Watched directory

C:\Centrofolder\in\V5-6R2019



Open archive files



Include files



▼ Included CAD File Extensions

Toggle All

Catia v4 .model .exp .session .dlv

Catia v5 .cgr .catpart .catproduct

Run Process configuration

Action name

newconverter prc



Process path

ewformatconverter\NewFormatsConverter.exe

Process arguments

%newconverterVerzeichnisbeobachter.dw_changed_file% -out d:\Centrofolder\tmp\V5-6R2019



e.g. C:\sampleDir\sampleFile.ext -out d:\Centrofolder\tmp\V5-6R2019

▼ Advanced

If you need to bulk convert the PRC or Step Files to ACT3D you can create a 2nd pipeline to convert them to ACT3D in bulk using the CAD to SpinFire Action (shown below). Using the folder we outputted the PRC files to for this new pipeline, we can convert them all to ACT3D to another folder.

Example: Directory watcher of this ACT3D Pipeline is directed to the **C:\Centrofolder\tmp\V5-6R2019** folder , then the "CAD to SpinFire" action can be created and directed to the **C:\Centrofolder\ACT3D** for the output folder.

The image shows a screenshot of a pipeline configuration interface. At the top, there is a blue header with the text "Newconverter CMD act3d". Below this, the interface is divided into two main sections: "TRIGGER" and "ACTIONS".

TRIGGER

- Directory Watcher
- Newconverter CMD act3d

ACTIONS

- CAD to SpinFire
- SpinFire Publisher 1

Directory Watcher configuration

Trigger name

Newconverter CMD act3d

Watched directory

C:\Centrofolder\tmp\V5-6R2019

Open archive files

Include files

▼ Included CAD File Extensions

Toggle All

Catia v4 .model .exp .session .dlv

Catia v5 .cgr .catpart .catproduct

I-Deas .arc .pkg .mf1 .unv

IGES .igs .iges

Inventor .iam .ipt

SolidEdge .par .asm

SolidWorks .sldprt .sldasm

STEP .stp .step .stpx .stpxz .stpz .stp.z

Other types

.3dxml .ifc .jt .prt .x_t .pdf .prc .prt.* .asm.* .3dm .sat .stl

.u3d .vda .wrl

CAD to SpinFire configuration

Action name

SpinFire Publisher 1



CAD filepath

%Newconverter_CMD_act3d.dw_changed_file%



e.g. C:\sampleDir\sampleFile.ext

Background color



rgba(0, 0, 0, 0)



Target filepath

C:\Centrofoder\ACT3D\%Newconverter_CMD_act3d.dw_filename_extension%.ACT3D



e.g.

C:\Centrofoder\ACT3D\sampleFile.ext.ACT3D