Automation Server

Reference Manual

KISTERS

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Commands

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1 Commands

The KISTERS Automation Server (short: KAS) is a tool for batch-processing files.

Currently, these command are available:

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- CONVERT_AND_EXECUTE_XML 7
- CONVERT2D 8
- GENERATE_SCREENSHOT 8
- EXPORT_VIEWS 9
- LOAD_SETTINGS 10
- LOG 10

Note: The order in which these commands have to be given to `KAS.exe` is as follows:

- `LOAD_SETTINGS` (optional but recommended)
- `LOG` (optional)
- one of the other commands (`CONVERT`, `CONVERT_AND_EXECUTE_XML`, `CONVERT2D`, `GENERATE_SCREENSHOT` or `EXPORT_VIEWS`)

1.1 CONVERT

Converts assemblies and monolithic 3D files to monolithic 3D files.

```
KAS.exe CONVERT <INPUT> <OUTPUT> <FORMATS>
```

Parameters	Description
INPUT	Directory path and file name of the input file
OUTPUT	Directory path and file name of the output file(s) For single format, no file extension will be added, if you want one, you have to include it in the file name. For multi format, the extension will be added.

FORMATS	Use comma for separation when using multiple formats:
	`3DVS`
	`3MF`
	`ACIS`
	`FBX`
	`GLTF`
	`IFC`
	`IGES`
	`JT`
	`OBJ`
	`PARASOLID`
	`PDFPRC`
	`PRC`
	`STEP`
	`STL`

Parameters	Description
	U3D VRML VSXML

Examples:

```
"C:\Program Files\Kisters\ViewStation\KAS.exe" CONVERT "D:
\Test.prt" "D:\Test" "3DVS,PDFPRC"
"C:\Program Files\Kisters\ViewStation\KAS.exe" CONVERT "D:
\Test.prt" "D:\Test.3dvs" "3DVS"
```

1.2 CONVERT_AND_EXECUTE_XML

Available as of 2022.5.

Loads assemblies and monolithic 3D files, applies XML commands and exports monolithic 3D files.

```
KAS.exe CONVERT_AND_EXECUTE_XML <INPUT> <XML-API-FILE> <OUTPUT>
<FORMATS>
```

Parameters	Description
INPUT	Directory path and file name of the input file
XML-API-FILE	Directory path and file name of the xml file (XML API documentation: XML API...)
OUTPUT	Directory path and file name of the output file(s) For single format, no file extension will be added, if you want one, you have to include it in the file name. For multi format, the extension will be added.
FORMATS	Use comma for separation when using multiple formats: 3DVS 3MF ACIS FBX GLTF IFC IGES JT OBJ PARASOLID PDFPRC PRC

Parameters	Description
	STEP STL U3D VRML VSXML

Examples:

```
"C:\Program Files\Kisters\ViewStation\KAS.exe" CONVERT_AND_EXECUTE_XML
 "D:\Test.prt" "D:\Test\commands.xml" "D:\Test.3dvs" "3DVS"
```

1.3 CONVERT2D

Available as of 2019.0.340.

Converts 2D files to 2D files.

```
KAS.exe CONVERT2D <INPUT> <OUTPUT> <FORMATS>
```

Parameters	Description
INPUT	Directory path and file name of the input file
OUTPUT	Directory path and file name of the output file(s) For single format, the file must include the file extension. For multi format, the extension will be added.
FORMATS	Use comma for separation when using multiple formats: 3DVS PDF

Examples:

```
"C:\Program Files\Kisters\ViewStation\KAS.exe" CONVERT2D "D:
\Test.dxf" "D:\Test" "3DVS,PDF"
"C:\Program Files\Kisters\ViewStation\KAS.exe" CONVERT2D "D:
\Test.dxf" "D:\Test.3dvs" "3DVS"
```

1.4 GENERATE_SCREENSHOT

Generates a screenshot of 3D and 2D files.

```
KAS.exe GENERATE_SCREENSHOT <INPUT> <OUTPUT> <FORMATS>
```

Parameters	Description
INPUT	Directory path and file name of the input file
OUTPUT	Directory path and file name of the output file(s) For single format, the file must include the file extension. For multi format, the extension will be added.
FORMATS	Export formats: PNG JPG BMP PDF

Example:

```
"C:\Program Files\Kisters\ViewStation\KAS.exe"
GENERATE_SCREENSHOT "D:\Test.prt" "D:\Test" "PNG,JPG"
"C:\Program Files\Kisters\ViewStation\KAS.exe"
GENERATE_SCREENSHOT "D:\Test.prt" "D:\Test.png" "PNG"
```

1.5 EXPORT_VIEWS

To generate screenshots for all (specified) views of the model.

PNGs are created as individual files in the specified folder.

The PDF file contains all (specified) views including the physical properties of the visible parts.

```
KAS.exe EXPORT_VIEWS <INPUT> <OUTPUT> <FORMATS> <VIEW_ID>
```

Parameters	Description
INPUT	Directory path and file name of the input file.
OUTPUT	PNG: Directory path of the output file(s). The file name is equal to the view name. PDF: Directory path and file name of the output file.
FORMATS	Export formats: PNG PDF Only one format may be specified.
VIEW_ID	Optional: Exports only the views specified in the comma-separated list.

Example:

```
"C:\Program Files\Kisters\ViewStation\KAS.exe" EXPORT_VIEWS "D:
\Test.prt" "D:\Test" "PNG"
"C:\Program Files\Kisters\ViewStation\KAS.exe" EXPORT_VIEWS "D:
\Test.prt" "D:\Test" "PNG" "0,3,4,5"

"C:\Program Files\Kisters\ViewStation\KAS.exe" EXPORT_VIEWS "D:
\Test.prt" "D:\Test.pdf" "PDF"
"C:\Program Files\Kisters\ViewStation\KAS.exe" EXPORT_VIEWS "D:
\Test.prt" "D:\Test.pdf" "PDF" "0,3,4,5"
```

1.6 LOAD_SETTINGS

Initially the default settings will be loaded. With this setting you can reference a settings file, which will overwrite the defaults.

```
KAS.exe LOAD_SETTINGS <FILENAME> <COMMANDS>
```

Parameters	Description
FILENAME	File name of the settings file to use.
COMMANDS	Any other command except LOAD_SETTINGS.

Example:

```
"C:\Program Files\Kisters\ViewStation\KAS.exe" LOAD_SETTINGS "D:
\Settings.xml" CONVERT "D:\Test.prt" "D:\Test" "3DVS,PDFPRC"
```

1.7 LOG

Available as of 2022.7.

Generates a log file of the conversion.

```
KAS.exe LOG <FILENAME> <COMMANDS>
```

Parameters	Description
FILENAME	File name of the log file to use.
COMMANDS	Any other command except LOG and LOAD_SETTINGS.

Example:

```
"C:\Program Files\Kisters\ViewStation\KAS.exe" LOAD_SETTINGS "D:
\Settings.xml" LOG "D:\Log\convert.log" CONVERT "D:\Test.prt"
"D:\Test" "3DVS,PDFPRC"
```