

# Automation Server

Reference Manual



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The logo for KISTERS, featuring a stylized 'K' symbol followed by the word 'KISTERS' in a bold, sans-serif font.

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# Commands

# 1 Commands

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

Currently, these command are available:

- `CONVERT`
- `CONVERT_AND_EXECUTE_XML`
- `CONVERT2D`
- `GENERATE_SCREENSHOT`
- `LOAD_SETTINGS`
- `LOG`

**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)<br>For single format, no file extension will be added, if you want one, you have to include it in the file name.<br>For multi format, the extension will be added. |
| FORMATS    | Use comma for separation when using multiple formats:<br>3DVS<br>3MF<br>ACIS<br>FBX<br>GLTF<br>IFC<br>IGES<br>JT<br>OBJ<br>PARASOLID<br>PDFPRC<br>PRC<br>STEP<br>STL  |

| Parameters | Description          |
|------------|----------------------|
|            | U3D<br>VRML<br>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: <a href="#">XML API...</a> )   |
| OUTPUT       | Directory path and file name of the output file(s)<br><br>For single format, no file extension will be added, if you want one, you have to include it in the file name.<br><br>For multi format, the extension will be added. |
| FORMATS      | Use comma for separation when using multiple formats:<br><br>3DVS<br>3MF<br>ACIS<br>FBX<br>GLTF<br>IFC<br>IGES<br>JT<br>OBJ<br>PARASOLID<br>PDFPRC<br>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)<br>For single format, the file must include the file extension.<br>For multi format, the extension will be added. |
| FORMATS    | Use comma for separation when using multiple formats:<br>3DVS<br>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)<br>For single format, the file must include the file extension.<br>For multi format, the extension will be added. |
| FORMATS    | Export formats:<br>PNG<br>JPG<br>BMP<br>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 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"
```

## 1.6 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"
```