

Automation Server

Reference Manual



The software programs described in this document and the information contained in this document are confidential and proprietary products of KISTERS or its licensors. KISTERS waives copyright for licensed software users to print out parts of the documentation in hard copy for their own use only. This documentation may not be transferred, disclosed, or otherwise provided to third parties. In duplicating any part of this document, the recipient agrees to make every reasonable effort to prevent the unauthorized use and distribution of the proprietary information.

No parts of this work may be reproduced in any form or by any means - graphic, electronic, or mechanical, including photocopying, recording, taping, or information storage and retrieval systems - without the written permission of the publisher.

KISTERS reserves the right to make changes in specifications and other information contained in this publication without prior notice.

KISTERS makes no warranty of any kind with regard to this material including, but not limited to, the implied warranties or merchantability and fitness for a particular purpose.

KISTERS shall not be liable for any incidental, indirect, special or consequential damages whatsoever (including but not limited to lost profits) arising out of or related to this documentation, the information contained in it or from the use of programs and source code that may accompany it, even if KISTERS has been advised of the possibility of such damages.

Any errors found in any KISTERS product should be reported to KISTERS where every effort will be made to quickly resolve the problem.

Products that are referred to in this document may be either trademarks and/or registered trademarks of the respective owners. The publisher and the author make no claim to these trademarks.

Copyright 2024 KISTERS
Internet: viewer.kisters.de
E-mail: support-viewer@kisters.de
Tel.: +49 (0) 2408 9385-360

Autore: KISTERS
Data di stampa dell'edizione corrente: 13/03/2024
Versione attuale del programma: 2020.1

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

Contenuto

Capitolo I	Commands	5
1.1	CONVERT	6
1.2	CONVERT_AND_EXECUTE_XML	7
1.3	CONVERT2D	8
1.4	GENERATE_SCREENSHOT	8
1.5	EXPORT_VIEWS	9
1.6	LOAD_SETTINGS	10
1.7	LOG	10





Capitolo I:

Commands

1 Commands

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

Currently, these command are available:

- [CONVERT](#) ⁶
- [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

Parameters	Description
	STL 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

Parameters	Description
	PRC
	STEP
	STL
	U3D
	VRML
	VXML

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"
```