

## バージョン情報(リリースノート)

## Current Version

Receives continuous updates and new features. Update interval frequently.

|                      |            |         |           |          |            |                   |
|----------------------|------------|---------|-----------|----------|------------|-------------------|
| <b>Version:</b>      | 2024.1.166 |         |           |          |            |                   |
| <b>Release date:</b> | 2024-03-12 | Desktop | WebViewer | VisShare | VR-Edition | Automation Server |

|               |   | Desktop | WebViewer | VisShare | VR-Edition | Automation Server |
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| <b>New:</b>   | ▪ Import 3D:<br>○ SolidWorks 2024   | ●       | ●         | ●        | ●          | ●                 |
|               | ▪ Alternative JT import: support of views and tessellated PMIs #1207              | ●       | ●         | ●        | ●          | ●                 |
|               | ▪ Add field to ribbon to search online help center                                | ●       | ●         |          |            |                   |
|               | ▪ Line width setting for contour #1266  | ●       | ●         | ●        | ●          | ●                 |
|               | ▪ Korean language supported again   | ●       | ●         |          |            |                   |
|               | ▪ VS License Manager: support of wildcards for privilege rule configuration #1293 | ●       | ●         | ●        | ●          | ●                 |
| <b>Fixes:</b> | ▪ Alternative JT import: multiple loading errors #1207                            | ●       | ●         | ●        | ●          | ●                 |
|               | ▪ JT Assembly loads correctly #779  | ●       | ●         | ●        | ●          | ●                 |
|               | ▪ Improve circle detection #1304  | ●       | ●         | ●        | ●          | ●                 |
|               | ▪ Setup: check for correct supported Windows version #1315                        | ●       |           |          |            |                   |
|               | ▪ Start up: race conditions when using LMX License Manager #1318                  | ●       |           |          |            |                   |
|               | ▪ 3DPDF with import dialog: choose starting scene with 2D/3D button               | ●       | ●         | ●        |            |                   |
|               | ▪ XML-API: GetNodeProperties #1283  | ●       | ●         | ●        |            | ●                 |
|               | ▪ XML-API: ImportVSXMLToNode sets correct color #1300                             | ●       | ●         | ●        |            | ●                 |
|               | ▪ Correct cleanup for exit codes #1298  |         |           |          |            | ●                 |
|               | ▪ VS License Manager: Windows Usergroup Timeout #1313                             | ●       | ●         | ●        | ●          | ●                 |
|               | ▪ VS License Manager: ServerConfig.json no longer overwrites itself on updates    | ●       | ●         | ●        | ●          | ●                 |

Previous Version

|                      |            |         |           |          |           |                   |
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| <b>Version:</b>      | 2024.0.444 |         |           |          |           |                   |
| <b>Release date:</b> | 2024-02-09 | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

Updated system requirements: Windows 10 / Windows Server 2016

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| <b>Fixes:</b> | <ul style="list-style-type: none"> <li>BOM setting "Configure attribute display" #1282</li> <li>Import setting "Additional search paths" #1282</li> <li>WV: Visualization settings for 2D #1288</li> <li>WV: Skybox selection #1277</li> <li>KAS: Generate screenshot exit code #1298</li> </ul> | ● | ● | ● | ● | ● |
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Full Version History

|                      |            |         |           |          |           |                   |
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| <b>Version:</b>      | 2024.1.166 |         |           |          |           |                   |
| <b>Release date:</b> | 2024-03-12 | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

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| <b>New:</b> | <ul style="list-style-type: none"> <li>Import 3D:             <ul style="list-style-type: none"> <li>SolidWorks 2024</li> </ul> </li> <li>Alternative JT import: support of views and tessellated PMIs #1207</li> <li>Add field to ribbon to search online help center</li> <li>Line width setting for contour #1266</li> <li>Korean language supported again</li> <li>VS License Manager: support of wildcards for privilege rule configuration #1293</li> </ul> | ● | ● | ● | ● | ● |
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| <b>Version:</b>      | 2024.1.166 |         |           |          |            |                   |
| <b>Release date:</b> | 2024-03-12 | Desktop | WebViewer | VisShare | VR-Edition | Automation Server |

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| <b>Fixes:</b> | <ul style="list-style-type: none"> <li>▪ Alternative JT import: multiple loading errors #1207</li> <li>▪ JT Assembly loads correctly #779</li> <li>▪ Improve circle detection #1304</li> <li>▪ Setup: check for correct supported Windows version #1315</li> <li>▪ Start up: race conditions when using LMX License Manager #1318</li> <li>▪ 3DPDF with import dialog: choose starting scene with 2D/3D button</li> <li>▪ XML-API: GetNodeProperties #1283</li> <li>▪ XML-API: ImportVSXMLToNode sets correct color #1300</li> <li>▪ Correct cleanup for exit codes #1298</li> <li>▪ VS License Manager: Windows Usergroup Timeout #1313</li> <li>▪ VS License Manager: ServerConfig.json no longer overwrites itself on updates</li> </ul> | ● | ● | ● | ● | ● |
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|----------------------|------------|---------|-----------|----------|------------|-------------------|
| <b>Version:</b>      | 2024.0.444 |         |           |          |            |                   |
| <b>Release date:</b> | 2024-02-09 | Desktop | WebViewer | VisShare | VR-Edition | Automation Server |

Updated system requirements: Windows 10 / Windows Server 2016

|               |  |   |   |   |   |   |
|---------------|--|---|---|---|---|---|
| <b>Fixes:</b> | <ul style="list-style-type: none"> <li>▪ BOM setting "Configure attribute display" #1282</li> <li>▪ Import setting "Additional search paths" #1282</li> <li>▪ WV: Visualization settings for 2D #1288</li> <li>▪ WV: Skybox selection #1277</li> </ul> | ● | ● | ● | ● | ● |
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| <b>Version:</b>      | 2024.0.444 |         |           |          |            |                   |
| <b>Release date:</b> | 2024-02-09 | Desktop | WebViewer | VisShare | VR-Edition | Automation Server |

- KAS: Generate screenshot exit code #1298 ●

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| <b>Version:</b>      | 2024.0.438 |         |           |          |            |                   |
| <b>Release date:</b> | 2024-01-26 | Desktop | WebViewer | VisShare | VR-Edition | Automation Server |

Updated system requirements: Windows 10 / Windows Server 2016

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| <b>New:</b> | <ul style="list-style-type: none"> <li>▪ Import 3D:                             <ul style="list-style-type: none"> <li>○ Solid Edge 2024 ●</li> <li>○ Parasolid 36.0 ●</li> </ul> </li> <li>▪ Import 2D:                             <ul style="list-style-type: none"> <li>○ Solid Edge 2024 ●</li> <li>○ Solidworks 2024 ●</li> <li>○ NX 2306 Series (until 2306.7000) ●</li> <li>○ CATIA V6 R2024x ●</li> </ul> </li> <li>▪ Export 2D:                             <ul style="list-style-type: none"> <li>○ DXF R32 (AutoCAD 2018) ●</li> </ul> </li> <li>▪ New icons for all products and 3DVS files ●</li> <li>▪ JT import: alternative import per setting for tests available #1207 ●</li> <li>▪ 3DVS export: option to save resources (skyboxes, backgrounds, materials, glare effects) ●</li> <li>▪ IFC import: performance improvements #942 #1164 ●</li> <li>▪ STL, OBJ and E57 import: settings added to split huge files on import, helps with performance and enables to load files that would be too big otherwise #1090 #1170 ●</li> <li>▪ WV: improved quality of displayed images #1108 ●</li> <li>▪ Section: slice geometries, can be applied several times (does not equal multi-cut) #1098 ●</li> <li>▪ Compare: added comparison for PMIs #970 ●</li> <li>▪ Selected faces can be merged #1180 ●</li> </ul> | ● | ● | ● | ● | ● |
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| Version:      | 2024.0.438  | Desktop | WebViewer | VisShare | VR-Edition | Automation Server |
|---------------|---|---------|-----------|----------|------------|-------------------|
| Release date: | 2024-01-26  | Desktop | WebViewer | VisShare | VR-Edition | Automation Server |
|               | <ul style="list-style-type: none"> <li>KAS can now be separately installed ●</li> </ul>   |         |           |          |            |                   |
|               | <ul style="list-style-type: none"> <li>PMIs: support of multiple colors #734 ● ● ● ● ●</li> </ul>   | ●       | ●         | ●        | ●          | ●                 |
|               | <ul style="list-style-type: none"> <li>Materials: improve patterned texture application #1151 ● ● ● ● ●</li> </ul>                                | ●       | ●         | ●        | ●          | ●                 |
|               | <ul style="list-style-type: none"> <li>Mouse setting for fit-all function #962 ● ● ●</li> </ul>   | ●       | ●         | ●        |            |                   |
|               | <ul style="list-style-type: none"> <li>Always show rotation point #960 ● ● ●</li> </ul>   | ●       | ●         | ●        |            |                   |
|               | <ul style="list-style-type: none"> <li>XML-API pane moved from Output pane to Tool ribbon, response output added #1103 ●</li> </ul>               | ●       |           |          |            |                   |
|               | <ul style="list-style-type: none"> <li>XML-API: functions to color nodes or faces randomly # 1221 ● ● ● ● ●</li> </ul>                            | ●       | ●         | ●        | ●          | ●                 |
|               | <ul style="list-style-type: none"> <li>VS License Manager: supports upgrade-switches of license features now ● ● ● ● ●</li> </ul>                 | ●       | ●         | ●        | ●          | ●                 |
|               | <ul style="list-style-type: none"> <li>VS License Manager: license monitor improvements # 1186 ● ● ● ● ●</li> </ul>                               | ●       | ●         | ●        | ●          | ●                 |
| <b>Fixes:</b> | <ul style="list-style-type: none"> <li>Correct installation behavior for closing running applications #1204 ● ● ● ● ●</li> </ul>                  | ●       | ●         | ●        | ●          | ●                 |
|               | <ul style="list-style-type: none"> <li>Improve startup behavior of Desktop version #1211 ●</li> </ul>   | ●       |           |          |            |                   |
|               | <ul style="list-style-type: none"> <li>WV: initialize 2DAdvanced feature correctly #1255 ● ●</li> </ul>   |         | ●         | ●        |            |                   |
|               | <ul style="list-style-type: none"> <li>SolidEdge import: correct subassembly visibility #925 ● ● ● ● ●</li> </ul>                                 | ●       | ●         | ●        | ●          | ●                 |
|               | <ul style="list-style-type: none"> <li>STEP import: load tessellation correctly #1023 ● ● ● ● ●</li> </ul>  | ●       | ●         | ●        | ●          | ●                 |
|               | <ul style="list-style-type: none"> <li>NX import: load node visibility correctly #1193 ● ● ● ● ●</li> </ul>                                       | ●       | ●         | ●        | ●          | ●                 |
|               | <ul style="list-style-type: none"> <li>OBJ import: load textures in edge case correctly #1170 ● ● ● ● ●</li> </ul>                                | ●       | ●         | ●        | ●          | ●                 |
|               | <ul style="list-style-type: none"> <li>Aligning: Move: enable functions to work with a boundary condition if activated #1235 ● ● ● ● ●</li> </ul> | ●       | ●         | ●        | ●          | ●                 |
|               | <ul style="list-style-type: none"> <li>Structure tree: moving nodes lost file paths #1214 ● ● ● ● ●</li> </ul>                                    | ●       | ●         | ●        | ●          | ●                 |
|               | <ul style="list-style-type: none"> <li>WV: Structure tree: multi-selection with SHIFT in a large tree #1234 ● ●</li> </ul>                        |         | ●         | ●        |            |                   |
|               | <ul style="list-style-type: none"> <li>Clear CustomIDs #1229 ● ● ● ●</li> </ul>   | ●       | ●         | ●        |            | ●                 |

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| <b>Version:</b>      | 2023.7.197 |         |           |          |           |                   |
| <b>Release date:</b> | 2023-11-17 | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

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| <b>New:</b>  | ▪ Import 3D:   | ● | ● | ● | ● | ● |
|  | ○ Revit 2024   |   |   |   |   |   |
|  | ▪ Solid Edge: support of Assembly Features #829                            | ● | ● | ● | ● | ● |
|  | ▪ Center handle of translation transformations (move) #1087                | ● | ● | ● |   | ● |
|  | ▪ Reset geometries to initial color  | ● | ● | ● |   | ● |
|  | ▪ Overwrite initial color of geometries                                    | ● | ● | ● |   | ● |
|  | ▪ BOM: new creation mode: Structure tree: lists all root and PO nodes #716 | ● | ● | ● |   | ● |
| ▪ BOM: new creation mode: Selection including children: lists selected node and all its children nodes #1160 | ●  | ● | ● |   | ● |   |
| ▪ BOM: new option to remove or keep empty columns #1169  | ●  | ● | ● |   | ● |   |
| <b>Fixes:</b>  | ▪ SolidEdge import: show pipes correctly #830                              | ● | ● | ● | ● | ● |
|  | ▪ SolidEdge import: show frames correctly #646                             | ● | ● | ● | ● | ● |

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| <b>Version:</b>      | 2023.6.145 |         |           |          |           |                   |
| <b>Release date:</b> | 2023-10-13 | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

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| <b>New:</b>  | ▪ Import 3D:                       | ● | ● | ● | ● | ● |
|  | ○ NX 2306                          |   |   |   |   |   |
|  | ○ JT up to 10.9                    |   |   |   |   |   |
|  | ▪ Import 2D:                       | ● | ● | ● |   | ● |
|  | ○ NX 2306 Series (until 2306.4000) |   |   |   |   |   |
| ▪ Curvature analysis: New feature to analyse surfaces                | ●                                  | ● | ● | ● | ● |   |
| ▪ KAS Monitor: New tool for conversion per directory monitoring      |                                    |   |   |   | ● |   |
| ▪ PLMXML import: option to load 3DVS instead of referenced JTs #1053 | ●                                  | ● | ● | ● | ● |   |

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| <b>Version:</b>      | 2023.6.145  |         |           |          |           |                   |
| <b>Release date:</b> | 2023-10-13  | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |
|                      | <ul style="list-style-type: none"> <li>2D: option to turn page with mouse wheel</li> <li>2D: option to keep position when turning pages #291</li> </ul>   | ●       | ●         | ●        |           |                   |
| <b>Fixes:</b>        | <ul style="list-style-type: none"> <li>SolidEdge import: Coordinate system visibility and size #825 #861 #862</li> <li>SolidEdge import: Simplifications improvements #808 #864</li> <li>Navisworks import improvements #927 #989</li> <li>Improve radius measurements #1046</li> <li>Improve angle measurements #1072</li> <li>Improve display of PMIs with asian characters #908</li> <li>Improve display of drawings with asian characters #872</li> <li>Improve Copy-Paste behaviour #946 #947</li> </ul> | ●       | ●         | ●        | ●         | ●                 |

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| <b>Version:</b>      | 2023.5.648 |         |           |          |           |                   |
| <b>Release date:</b> | 2023-09-08 | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

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| <b>New:</b>   | <ul style="list-style-type: none"> <li>Import 3D:             <ul style="list-style-type: none"> <li>USD</li> </ul> </li> <li>Rework: Floating licensing</li> <li>Rework: Wall thickness #140</li> <li>Rework: Band analysis #144 #143</li> <li>Rework: Aligning #607</li> </ul> | ● | ● | ● | ● | ● |
| <b>Fixes:</b> | <ul style="list-style-type: none"> <li>Revit: Problems with displaying of Revit file #920</li> </ul>   | ● | ● | ● | ● | ● |

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| <b>Version:</b>      | 2023.5.648 |         |           |          |           |                   |
| <b>Release date:</b> | 2023-09-08 | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

- 3DPDF: prevent crash during loading #984
- Neutral axis: optimizations for some cases #986
- Load DWG/DXF import dlls correctly #931
- DXF export speedup in critical cases #987
- 2D default export format is not applied #897
- WebViewer Ribbon for small screens fixed #1035

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| <b>Version:</b>      | 2023.4.217 |         |           |          |           |                   |
| <b>Release date:</b> | 2023-08-09 | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

- New:**
- Import 3D:
    - ACIS 2023
    - Creo 10.0
    - Navisworks 2024
  - Import 2D:
    - NX 2212 Series (until 2212.7000)
  - NX assembly files load referenced JT files #907 #7110
  - Selection: all geometries, all PMIs and all markups
  - VR: activating views now changes the position #969
  - XML-API console

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- Fixes:**
- Navisworks file loading error #826
  - CATDrawing: wrong font recognized for some symbols #743
  - Show quick info on hover in structure tree #945
  - Use correct position while copying focused geometry to second scene #854

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| Version:      | 2023.4.217  |         |           |          |           |                   |
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| Release date: | 2023-08-09  | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |
|               | <ul style="list-style-type: none"> <li>▪ 100 % Ghost shows correct transparency #896</li> <li>▪ Activation license: correct maintenance check #941</li> <li>▪ Import: ZIP archive was falsely recognized as 3MF #421</li> </ul>   | ●       | ●         | ●        | ●         | ●                 |
| Version:      | 2023.3.149  |         |           |          |           |                   |
| Release date: | 2023-06-09  | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |
|               | <ul style="list-style-type: none"> <li>▪ Import 3D: <ul style="list-style-type: none"> <li>○ Catia V5_6 R2023</li> <li>○ Parasolid 35.1</li> <li>○ Inventor 2024</li> </ul> </li> <li>▪ DXF export: screen-aligned markups are saved as text #798</li> <li>▪ Node properties to adjust rotation and scale of patterned materials #865</li> <li>▪ XML-API: FindAndReplaceString #764</li> <li>▪ XML-API: ConvertVSXMLToNestedSTEP now supports optional export of node tree structure #661</li> <li>▪ XML-API: Set markup anchor #744</li> </ul> | ●       | ●         | ●        | ●         | ●                 |
|               | <ul style="list-style-type: none"> <li>▪ Reestablished support of older CPUs #877</li> <li>▪ 3DVS and VSXML: Floating point format may differ in XML content if precision can be preserved by using scientific notation #762</li> <li>▪ Floating license issue regarding the combined use of IMPORT_3DVS and IMPORT_All fixed #910</li> <li>▪ Parasolid import: show correct node names in structure tree #906</li> <li>▪ STEP import: show views correctly #595</li> <li>▪ CATIA import: show a part not multiple times #131</li> </ul>        | ●       | ●         | ●        | ●         | ●                 |

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| <b>Version:</b>      | 2023.3.149   |         |           |          |            |                   |
| <b>Release date:</b> | 2023-06-09   | Desktop | WebViewer | VisShare | VR-Edition | Automation Server |
|                      | <ul style="list-style-type: none"> <li>CATIA import: don't show coordinates systems as faces #132</li> <li>CATIA import: load R22 files updated with CATIA R32 #781</li> <li>Revit import: rfa file loads now correctly #797</li> <li>STEP export: tessellation issue #614</li> <li>VXML import: progress overlay was not removed #924</li> <li>DXF export: circle recognition algorithm improved #800</li> <li>Some formats could not be converted to FBX #911</li> <li>Material rendering repaired after disassembling and reassembling surfaces #645</li> <li>Webviewer usage collector optimised #839</li> <li>jQuery update #902</li> </ul> | ●       | ●         | ●        | ●          | ●                 |

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| <b>Version:</b>      | 2023.2.146 |         |           |          |            |                   |
| <b>Release date:</b> | 2023-04-14 | Desktop | WebViewer | VisShare | VR-Edition | Automation Server |

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| <b>New:</b>   | <ul style="list-style-type: none"> <li>Import 2D             <ul style="list-style-type: none"> <li>NX 2212 Series until 2212.4000</li> <li>HEIC (as is)</li> <li>Excellon (as is)</li> </ul> </li> <li>Exact compare: works now with tessellation #517</li> <li>Export views to PDF: new settings to define paper format and DPI #567</li> <li>Presets: color picker can include user-defined tooltip #776</li> <li>XML-API: SaveAsRelative</li> </ul> | ● | ● | ● |  | ● |
| <b>Fixes:</b> | <ul style="list-style-type: none"> <li>CGM: wrong display #667</li> </ul>   | ● | ● | ● |  | ● |

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| <b>Version:</b>      | 2023.1.225 |         |           |          |           |                   |
| <b>Release date:</b> | 2023-03-28 | Desktop | WebViewer | VisShare | VR-Editio | Automation Server |

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| <b>Fixes:</b> | <ul style="list-style-type: none"> <li>▪ Windows Server 2016 startup #789</li> <li>▪ Print dialogue #785</li> <li>▪ Change name: Del button deletes node #788</li> <li>▪ Structure tree: cut and paste #787</li> </ul> | ● | ● | ● | ● | ● |
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| <b>Version:</b>      | 2023.1.224 |         |           |          |           |                   |
| <b>Release date:</b> | 2023-03-17 | Desktop | WebViewer | VisShare | VR-Editio | Automation Server |

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| <b>New:</b>   | <ul style="list-style-type: none"> <li>▪ Import 3D <ul style="list-style-type: none"> <li>○ AVEVA RVM</li> <li>○ Navisworks 2023</li> <li>○ NX 2212</li> <li>○ Parasolid 35.0</li> <li>○ Solid Edge 2023</li> <li>○ SolidWorks 2023</li> </ul> </li> <li>▪ SolidEdge import: support of coordinate systems</li> <li>▪ JT export: support of coordinate systems</li> <li>▪ Faster vector export (DXF, SVG)</li> <li>▪ Cut of multiple nodes and paste on one of them creates a new node</li> <li>▪ Rework: Alignment functions part 1: Render preview</li> <li>▪ Rework: Attribute CSV import</li> </ul> | ● | ● | ● | ● | ● |
| <b>Fixes:</b> | <ul style="list-style-type: none"> <li>▪ Solid Edge 2022 simplifications #502</li> <li>▪ Solid Edge assembly references #754</li> <li>▪ Multiple Inventor import issues #582 #584</li> </ul>  | ● | ● | ● | ● | ● |

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| <b>Version:</b>      | 2023.1.224 |         |           |          |           |                   |
| <b>Release date:</b> | 2023-03-17 | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

- OBJ import: missing triangles #715 ● ● ● ● ●
- WRL import: missing geometries #671 ● ● ● ● ●
- Shut down when double-click in structure tree ●
- API: ConvertDXFVersion not working #724 ● ● ● ● ●
- Uninstall error ● ● ● ● ●
- Deleting of log files #761 ● ● ● ● ●

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| <b>Version:</b>      | 2023.0.405 |         |           |          |           |                   |
| <b>Release date:</b> | 2023-02-13 | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

- New:**
- **IMPORTANT:**
    - This release includes licensing updates for VisShare. Old licenses will not run with this VisShare. ●
  - Import 3D
    - Revit 2023 ● ● ● ● ●
  - Import 2D
    - CATIA V6 R2023x ● ● ● ● ●
    - Solid Edge 2023 ● ● ● ● ●
    - Solidworks 2023 ● ● ● ● ●
  - 2D DWG/DXF: Font substitution available on import #503 ● ● ● ● ●
  - Edge length of construction planes can now be defined on import ● ● ● ● ●
  - Structure tree: edit node names per click #625 ● ● ● ● ●
  - Structure tree: new functions to cut, copy and paste ● ● ● ● ●
  - KAS: The log file now contains all the information used during the conversion (path to the used settings etc.) #639 ●
  - VR: new setting to define color and transparency of the floor #666 ●

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| <b>Version:</b>      | 2023.0.405 |         |           |          |           |                   |
| <b>Release date:</b> | 2023-02-13 | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

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| <b>Fixes:</b> | <ul style="list-style-type: none"> <li>▪ STEP import crashed in rare cases #719</li> <li>▪ Creo 4 and 7 assemblies open correctly #248 #463</li> <li>▪ Revit: fix box representation of some geometries #6880</li> <li>▪ DWG: an old version was incorrectly recognized #623</li> <li>▪ 3DPDF recognition improved #718</li> <li>▪ PLMXML reader improved #601</li> <li>▪ VSXML: set correct node type #642</li> <li>▪ Some native PMIs had a wrong bounding box and made the scene huge #632</li> <li>▪ Improve highlighting of PMI references #603</li> <li>▪ BOM: Bounding box measurements corrected #681</li> <li>▪ Correct FitAll in perspective mode #599</li> <li>▪ Circles can be measured again after extracting faces of a solid #532</li> <li>▪ World coordinate systems were created at the wrong position in rare cases #530</li> <li>▪ Set section plane handles correctly after activating views #88</li> <li>▪ Show face properties when selecting multiple faces #627</li> <li>▪ Activator success exit code was moved from 1 to 0 #624</li> </ul> | ● | ● | ● | ● | ● |
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| <b>Version:</b>      | 2022.8.293 |         |           |          |           |                   |
| <b>Release date:</b> | 2022-12-05 | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

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| <b>New:</b> | <ul style="list-style-type: none"> <li>▪ DXF Export: support of coordinate systems #544</li> </ul> | ● | ● | ● |  | ● |
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| <b>Version:</b>      | 2022.8.293   |         |           |          |              |                   |
| <b>Release date:</b> | 2022-12-05   | Desktop | WebViewer | VisShare | VR-Editition | Automation Server |
|                      | <ul style="list-style-type: none"> <li>▪ Import attributes from CSV #596</li> <li>▪ Background color for PMIs #535</li> <li>▪ BOM - new options: Bounding box, gravity center, structure level #273 #288 #326</li> <li>▪ Show face attributes #329</li> <li>▪ API: Identify node complexity #350</li> </ul>  | ●       | ●         | ●        |              |                   |
| <b>Fixes:</b>        | <ul style="list-style-type: none"> <li>▪ Improve import of PDF #576 #589</li> <li>▪ Improve instance recognition #590</li> <li>▪ Improve E57 point cloud rendering #540</li> <li>▪ Fix split scene function #600</li> <li>▪ Fix circle markups in 2D #453</li> <li>▪ Improve TIF performance after copy/paste #619</li> <li>▪ Improve loading of many attributes #618</li> <li>▪ VR: One eyed rendering in some cases</li> </ul> | ●       | ●         | ●        | ●            | ●                 |

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| <b>Version:</b>      | 2022.7.482 |         |           |          |              |                   |
| <b>Release date:</b> | 2022-11-07 | Desktop | WebViewer | VisShare | VR-Editition | Automation Server |

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| <b>New:</b> | <ul style="list-style-type: none"> <li>▪ <b>IMPORTANT:</b> <ul style="list-style-type: none"> <li>○ This release contains security updates. We recommend updating to this version as soon as possible.</li> </ul> </li> <li>▪ Import 2D                     <ul style="list-style-type: none"> <li>○ NX 2206</li> </ul> </li> <li>▪ Export 2D                     <ul style="list-style-type: none"> <li>○ WMF (raster)</li> </ul> </li> </ul> | ● | ● | ● | ● | ● |
|             |  | ● | ● | ● | ● | ● |
|             |  | ● | ● | ● | ● | ● |

| Version:      | 2022.7.482  | Desktop | WebViewer | VisShare | VR-Edition | Automation Server |
|---------------|---|---------|-----------|----------|------------|-------------------|
| Release date: | 2022-11-07  |         |           |          |            |                   |
|               | <ul style="list-style-type: none"> <li>▪ Activation licensing improved</li> <li>▪ Transform: three points to three points #403</li> <li>▪ Copy/Paste in 2D scenes #218 #224 #489</li> <li>▪ Improve performance of VSXML import</li> <li>▪ Load structure, then reload all nodes #476</li> <li>▪ Setup: New option to generate extensive support information for critical cases (default: on)</li> </ul>                                | ●       | ●         |          | ●          | ●                 |
| Fixes:        | <ul style="list-style-type: none"> <li>▪ Show correct wall thickness result in the measurement pane #549</li> <li>▪ Line highlights are rendered with line width correctly #537</li> <li>▪ Improve Solidworks conversion in rare cases #484</li> <li>▪ Improve Navisworks import #516</li> <li>▪ Improve Solid Edge DFT import #470 #3675</li> <li>▪ Improve SVG export #504</li> <li>▪ E57: use correct scale and up-vector</li> </ul> | ●       | ●         | ●        | ●          | ●                 |

| Version:      | 2022.6.170   | Desktop | WebViewer | VisShare | VR-Edition | Automation Server |
|---------------|--|---------|-----------|----------|------------|-------------------|
| Release date: | 2022-09-05   |         |           |          |            |                   |
| New:          | <ul style="list-style-type: none"> <li>▪ <b>IMPORTANT:</b> <ul style="list-style-type: none"> <li>○ Network licensing (Floating) requires license server version 5.0 or higher</li> </ul> </li> <li>▪ STEP, IFC and Creo Import: choose codepage to</li> </ul> | ●       | ●         | ●        | ●          | ●                 |
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| <b>Version:</b>      | 2022.6.170 |           |          |           |                   |
| <b>Release date:</b> | 2022-09-05 |           |          |           |                   |
|                      | Desktop    | WebViewer | VisShare | VR-Editon | Automation Server |

display node names correctly (available codepages can be edited in the preset.xml) #405

- Rework of node movements in structure tree #188 #189 ●
- Structure tree: CSV Export #393 ● ● ●
- Structure tree: horizontal scrollbar #472 ●
- Option to turn material rendering off #270 ● ● ● ● ●
- Animated focus (includes translation, rotation and ghosting) #440 ●
- TIFF 8bpp import #451 ● ● ● ● ●
- XML-API: GetWallthicknessRollingBallAnalysisResults #396 ● ● ● ● ●

**Fixes:**

- Solidworks format recognition fix #473 ● ● ● ● ●
- DXF Export: sometimes showed hidden lines #448 ● ● ●
- DXF Export: circle recognition improved #417 ● ● ●
- Raster images: export and printing fixed #471 ● ● ● ● ●
- Improve undercut calculation #271 ● ● ● ● ●
- Handle missing materials correctly #386 ● ● ● ● ●
- Handle geometries after wire removal and generation correctly #483 ● ● ● ● ●
- Structure tree: fix behavior in large trees #472 ●
- Fix Callout and Fixed Text positioning for printing and 2D raster export #477 ● ● ● ● ●
- Skybox: incremental rendering fixed #475 ● ● ● ● ●



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| <b>Version:</b>      | 2022.6.170 |         |           |          |           |                   |
| <b>Release date:</b> | 2022-09-05 |         |           |          |           |                   |
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| XML-API: GenerateAttribute and GenerateCustomIds fixed for special characters #388 | ● | ● | ● |  | ● |
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| <b>Version:</b>      | 2022.5.199 |         |           |          |           |                   |
| <b>Release date:</b> | 2022-08-11 |         |           |          |           |                   |
|                      |            | Desktop | WebViewer | VisShare | VR-Editio | Automation Server |

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| <b>New:</b>   | <ul style="list-style-type: none"> <li> <table border="0"> <tr> <td><b>IMPORTANT:</b></td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>o Network licensing (Floating) requires license server version 5.0 or higher</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> </li> <li> <table border="0"> <tr> <td>Import 3D</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>o AutoCAD DWG/DXF #181</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>o Creo 9</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>o Inventor 2023</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>o Parasolid 34.1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>o NX 2206</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> </li> <li> <table border="0"> <tr> <td>Export 3D</td> <td>●</td> <td>●</td> <td>●</td> <td></td> <td>●</td> </tr> <tr> <td>o XML-API: Convert VSXML to STEP AP214-CC06 Master file (nested external references) #351</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> </li> <li> <table border="0"> <tr> <td>KAS/API: new command CONVERT_AND_EXECUTE_XML</td> <td></td> <td></td> <td></td> <td></td> <td>●</td> </tr> </table> </li> <li> <table border="0"> <tr> <td>First level of attribute names shown as subcategories</td> <td>●</td> <td>●</td> <td>●</td> <td></td> <td></td> </tr> </table> </li> <li> <table border="0"> <tr> <td>Improve 3DVS and VSXML import performance</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> </table> </li> <li> <table border="0"> <tr> <td>Option to replace the 3D model with a screenshot in templated 3DPDF export</td> <td>●</td> <td>●</td> <td>●</td> <td></td> <td>●</td> </tr> </table> </li> </ul> | <b>IMPORTANT:</b>                              | ● | ● | ● | ● | ● | o Network licensing (Floating) requires license server version 5.0 or higher |   |   |   |  |   | Import 3D | ● | ● | ● | ● | ● | o AutoCAD DWG/DXF #181 |  |  |  |  |  | o Creo 9 |  |  |  |  |  | o Inventor 2023 |  |  |  |  |  | o Parasolid 34.1 |  |  |  |  |  | o NX 2206 |  |  |  |  |  | Export 3D | ● | ● | ● |  | ● | o XML-API: Convert VSXML to STEP AP214-CC06 Master file (nested external references) #351 |  |  |  |  |  | KAS/API: new command CONVERT_AND_EXECUTE_XML |  |  |  |  | ● | First level of attribute names shown as subcategories | ● | ● | ● |  |  | Improve 3DVS and VSXML import performance | ● | ● | ● | ● | ● | Option to replace the 3D model with a screenshot in templated 3DPDF export | ● | ● | ● |  | ● |  |  |  |  |  |
| <b>IMPORTANT:</b>   | ●  | ●  | ● | ● | ● |   |   |  |   |   |   |  |   |           |   |   |   |   |   |                        |  |  |  |  |  |          |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |  |  |  |           |  |  |  |  |  |           |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |  |  |   |   |   |   |   |   |  |   |   |   |  |   |  |  |  |  |  |
| o Network licensing (Floating) requires license server version 5.0 or higher              |  |  |   |   |   |   |   |  |   |   |   |  |   |           |   |   |   |   |   |                        |  |  |  |  |  |          |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |  |  |  |           |  |  |  |  |  |           |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |  |  |   |   |   |   |   |   |  |   |   |   |  |   |  |  |  |  |  |
| Import 3D   | ●  | ●  | ● | ● | ● |   |   |  |   |   |   |  |   |           |   |   |   |   |   |                        |  |  |  |  |  |          |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |  |  |  |           |  |  |  |  |  |           |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |  |  |   |   |   |   |   |   |  |   |   |   |  |   |  |  |  |  |  |
| o AutoCAD DWG/DXF #181  |  |  |   |   |   |   |   |  |   |   |   |  |   |           |   |   |   |   |   |                        |  |  |  |  |  |          |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |  |  |  |           |  |  |  |  |  |           |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |  |  |   |   |   |   |   |   |  |   |   |   |  |   |  |  |  |  |  |
| o Creo 9  |  |  |   |   |   |   |   |  |   |   |   |  |   |           |   |   |   |   |   |                        |  |  |  |  |  |          |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |  |  |  |           |  |  |  |  |  |           |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |  |  |   |   |   |   |   |   |  |   |   |   |  |   |  |  |  |  |  |
| o Inventor 2023   |  |  |   |   |   |   |   |  |   |   |   |  |   |           |   |   |   |   |   |                        |  |  |  |  |  |          |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |  |  |  |           |  |  |  |  |  |           |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |  |  |   |   |   |   |   |   |  |   |   |   |  |   |  |  |  |  |  |
| o Parasolid 34.1  |  |  |   |   |   |   |   |  |   |   |   |  |   |           |   |   |   |   |   |                        |  |  |  |  |  |          |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |  |  |  |           |  |  |  |  |  |           |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |  |  |   |   |   |   |   |   |  |   |   |   |  |   |  |  |  |  |  |
| o NX 2206   |  |  |   |   |   |   |   |  |   |   |   |  |   |           |   |   |   |   |   |                        |  |  |  |  |  |          |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |  |  |  |           |  |  |  |  |  |           |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |  |  |   |   |   |   |   |   |  |   |   |   |  |   |  |  |  |  |  |
| Export 3D   | ●  | ●  | ● |   | ● |   |   |  |   |   |   |  |   |           |   |   |   |   |   |                        |  |  |  |  |  |          |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |  |  |  |           |  |  |  |  |  |           |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |  |  |   |   |   |   |   |   |  |   |   |   |  |   |  |  |  |  |  |
| o XML-API: Convert VSXML to STEP AP214-CC06 Master file (nested external references) #351 |  |  |   |   |   |   |   |  |   |   |   |  |   |           |   |   |   |   |   |                        |  |  |  |  |  |          |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |  |  |  |           |  |  |  |  |  |           |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |  |  |   |   |   |   |   |   |  |   |   |   |  |   |  |  |  |  |  |
| KAS/API: new command CONVERT_AND_EXECUTE_XML  |  |  |   |   | ● |   |   |  |   |   |   |  |   |           |   |   |   |   |   |                        |  |  |  |  |  |          |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |  |  |  |           |  |  |  |  |  |           |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |  |  |   |   |   |   |   |   |  |   |   |   |  |   |  |  |  |  |  |
| First level of attribute names shown as subcategories                                     | ●  | ●  | ● |   |   |   |   |  |   |   |   |  |   |           |   |   |   |   |   |                        |  |  |  |  |  |          |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |  |  |  |           |  |  |  |  |  |           |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |  |  |   |   |   |   |   |   |  |   |   |   |  |   |  |  |  |  |  |
| Improve 3DVS and VSXML import performance   | ●  | ●  | ● | ● | ● |   |   |  |   |   |   |  |   |           |   |   |   |   |   |                        |  |  |  |  |  |          |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |  |  |  |           |  |  |  |  |  |           |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |  |  |   |   |   |   |   |   |  |   |   |   |  |   |  |  |  |  |  |
| Option to replace the 3D model with a screenshot in templated 3DPDF export                | ●  | ●  | ● |   | ● |   |   |  |   |   |   |  |   |           |   |   |   |   |   |                        |  |  |  |  |  |          |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |  |  |  |           |  |  |  |  |  |           |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |  |  |   |   |   |   |   |   |  |   |   |   |  |   |  |  |  |  |  |
| <b>Fixes:</b>   | <ul style="list-style-type: none"> <li> <table border="0"> <tr> <td>Save field of view settings in 3DVS files #274</td> <td>●</td> <td>●</td> <td>●</td> <td></td> <td>●</td> </tr> </table> </li> <li> <table border="0"> <tr> <td>Show attributes correctly #167</td> <td>●</td> <td>●</td> <td>●</td> <td></td> <td>●</td> </tr> </table> </li> </ul>   | Save field of view settings in 3DVS files #274 | ● | ● | ● |   | ● | Show attributes correctly #167   | ● | ● | ● |  | ● |           |   |   |   |   |   |                        |  |  |  |  |  |          |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |  |  |  |           |  |  |  |  |  |           |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |  |  |   |   |   |   |   |   |  |   |   |   |  |   |  |  |  |  |  |
| Save field of view settings in 3DVS files #274  | ●  | ●  | ● |   | ● |   |   |  |   |   |   |  |   |           |   |   |   |   |   |                        |  |  |  |  |  |          |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |  |  |  |           |  |  |  |  |  |           |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |  |  |   |   |   |   |   |   |  |   |   |   |  |   |  |  |  |  |  |
| Show attributes correctly #167  | ●  | ●  | ● |   | ● |   |   |  |   |   |   |  |   |           |   |   |   |   |   |                        |  |  |  |  |  |          |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |  |  |  |           |  |  |  |  |  |           |   |   |   |  |   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |  |  |   |   |   |   |   |   |  |   |   |   |  |   |  |  |  |  |  |

**Version:** 2022.5.199

**Release date:** 2022-08-11

|  | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |
|--|---------|-----------|----------|-----------|-------------------|
| ▪ Improve DXF/SVG export performance   | ●       | ●         | ●        |           |                   |
| ▪ DXF measurements wrong #349  | ●       | ●         | ●        |           |                   |
| ▪ PDF format recognition improved #458   | ●       | ●         | ●        | ●         | ●                 |
| ▪ PDF attachment display with unicode characters #416                                    | ●       | ●         | ●        |           |                   |
| ▪ Huge STL files crashed #296 #324   | ●       | ●         | ●        | ●         | ●                 |
| ▪ STPX, 3DS, 3MF, Collada: Node name in structure reduced from pathname to filename #361 | ●       | ●         | ●        |           | ●                 |
| ▪ Copy text to clipboard: Fix and rework deactivation handling #390                      | ●       | ●         | ●        |           |                   |
| ▪ Measurement markups: Improve rendering of reference wires #411                         | ●       | ●         | ●        | ●         | ●                 |
| ▪ Coordinate systems: visibility fixed, when they are not near geometry #412             | ●       | ●         | ●        | ●         | ●                 |
| ▪ Load fonts with unicode filenames correctly on startup #410                            | ●       | ●         | ●        | ●         | ●                 |
| ▪ Correct translation for presets #86  |         | ●         | ●        |           |                   |
| ▪ Circle markup creation relative to camera #375   |         |           |          | ●         |                   |
| ▪ Error message when loading 2D documents #375   |         |           |          | ●         |                   |
| ▪ Section cut controllers, pickray, menu and floor #375                                  |         |           |          | ●         |                   |
| ▪ Correct floor shadow in perspective #375   | ●       | ●         | ●        | ●         |                   |

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|----------------------|------------|---------|-----------|----------|-----------|-------------------|
| <b>Version:</b>      | 2022.4.169 |         |           |          |           |                   |
| <b>Release date:</b> | 2022-07-07 |         |           |          |           |                   |
|                      |            | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

|               |   |   |   |   |   |   |
|---------------|---|---|---|---|---|---|
| <b>New:</b>   | <ul style="list-style-type: none"> <li>▪ <b>IMPORTANT:</b> <ul style="list-style-type: none"> <li>○ Network licensing (Floating) requires license server version 5.0 or higher</li> </ul> </li> <li>▪ Import 3D           <ul style="list-style-type: none"> <li>○ Catia V5-6R2022 (R32)</li> </ul> </li> <li>▪ Import 2D           <ul style="list-style-type: none"> <li>○ Creo 9.0</li> <li>○ NX 2019, 2027</li> </ul> </li> <li>▪ WebViewer: Server health tests added #69</li> <li>▪ WebViewer: Server blocks incoming requests on high load #69</li> <li>▪ Techdoc/BOM: Option to generate ID with only attribute value #129</li> <li>▪ API: Compare two 3D models per URL parameter with Bestfit computation for auto alignment</li> </ul> | ● | ● | ● | ● | ● |
| <b>Fixes:</b> | <ul style="list-style-type: none"> <li>▪ Creo 8 file loads correctly #233</li> <li>▪ NX PRT: handle 2D/3D case correctly #401</li> <li>▪ SLDDRW: correct position of information flags #251</li> <li>▪ UpdateScene rework #161</li> <li>▪ Improve Split computation time #336</li> <li>▪ Clash: compute multiple times fix #201</li> <li>▪ Fix crash in Bestfit computation #368</li> <li>▪ Improve clipping plane handling in flythrough/with focus #52</li> <li>▪ Fix interactions, if section and markup creation are both active #92</li> <li>▪ Remove undo for configuration view creation #89</li> </ul>  | ● | ● | ● | ● | ● |

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| <b>Version:</b>      | 2022.4.169 |           |          |              |                   |
| <b>Release date:</b> | 2022-07-07 |           |          |              |                   |
|                      | Desktop    | WebViewer | VisShare | VR-Editition | Automation Server |

- Wrong world bounding box in rare cases #343 ● ● ● ● ●
- Websocket closed behavior optimized for clients that sent connect message #301 ● ●
- WebViewer: Copy image to clipboard fix #247 ● ●
- Structure & output panes are scaled along with resolution change #230 ●
- VR: Skybox fixed #374 ●
- VR: Display shadow correctly #340 ●

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| <b>Version:</b>      | 2022.3.428 |           |          |              |                   |
| <b>Release date:</b> | 2022-05-21 |           |          |              |                   |
|                      | Desktop    | WebViewer | VisShare | VR-Editition | Automation Server |

- New:**
- **IMPORTANT:** ● ● ● ● ●
    - Network licensing (Floating) requires license server version 5.0 or higher
  - Import 3D ● ● ● ● ●
    - Autodesk Navisworks 2012 - 2022
    - Autodesk Revit 2022
    - JT 10.6
  - Best fit: align two nodes to overlap #113 ● ● ●
  - Measure point to point on curve #111 ● ● ●
  - Transform: circle center to point #204 ● ● ●
  - Attachment pane for 2D documents #158 ● ● ●

|                      |   | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |
|----------------------|---|---------|-----------|----------|-----------|-------------------|
| <b>Version:</b>      | 2022.3.428  |         |           |          |           |                   |
| <b>Release date:</b> | 2022-05-21  |         |           |          |           |                   |
|                      | <ul style="list-style-type: none"> <li>▪ Change color of tessellated PMIs on import #78</li> <li>▪ Add 7 additional light sources #45</li> <li>▪ Table view extended by date and file size #258</li> </ul>  | ●       | ●         | ●        | ●         | ●                 |
| <b>Fixes:</b>        | <ul style="list-style-type: none"> <li>▪ Fonts for DWG/DXF #122</li> <li>▪ 3D PDF crashing in rare cases #305</li> <li>▪ OBJ: Improve texture visualisation #277</li> <li>▪ HPGL with embedded TIF: correct display #82</li> <li>▪ Inventor assembly won't open #5181</li> <li>▪ Solidworks: wrong transparencies #6583</li> <li>▪ Conversion of Solidworks configurations with special characters #286</li> <li>▪ Correct conversion of limited Solidworks configurations #325</li> <li>▪ Markups: fix CustomID, reference and scale handling #252 #299 #300</li> <li>▪ Crashes with corrupted wires in rare cases #272</li> <li>▪ BOM: copy to clipboard missing information #292</li> <li>▪ Fix anchor for Markups in views #308</li> <li>▪ Coordinate system picking highlight #40</li> <li>▪ Improve instantiation #123</li> <li>▪ Clash volume color always black #239</li> <li>▪ Save mouse settings for 2D correctly #55</li> </ul> | ●       | ●         | ●        | ●         | ●                 |

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| <b>Version:</b>      | 2022.3.428 |           |          |             |                   |
| <b>Release date:</b> | 2022-05-21 |           |          |             |                   |
|                      | Desktop    | WebViewer | VisShare | VR-Editioin | Automation Server |

- Display VSXML CustomIds correctly #313 ● ● ●
- Improve transformations including TechDoc markups #160 ● ● ●
- Setup will check if the OS is compatible before installing ● ● ● ● ●

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| <b>Version:</b>      | 2022.2.167 |           |          |             |                   |
| <b>Release date:</b> | 2022-04-11 |           |          |             |                   |
|                      | Desktop    | WebViewer | VisShare | VR-Editioin | Automation Server |

- New:**
- **IMPORTANT:** ● ● ● ● ●
    - Network licensing (Floating) requires license server version 5.0 or higher
  - Import 3D ● ● ● ● ●
    - NX 2007
    - Solid Edge 2022
    - SolidWorks 2022
  - Import 2D ● ● ● ● ●
    - CATIA V5-6R2022 (R32)
    - NX 2007, 2008, 2011, 2015
  - Layer support for 2D documents #180 ● ● ●

- Fixes:**
- JT PMIs: improve visualization #168 ● ● ● ● ●
  - TIFF: fix loading error #250 ● ● ● ● ●
  - Undercut fix #271 ● ● ● ● ●

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| <b>Version:</b>      | 2022.2.167 |           |          |           |                   |
| <b>Release date:</b> | 2022-04-11 |           |          |           |                   |
|                      | Desktop    | WebViewer | VisShare | VR-Editon | Automation Server |

- 2D compare did not work in rare cases #246
- Markup import: use CustomIDs correctly #249
- KAS: fix rare crash during SolidWorks convert #174
- WV: custom-svg-icons.xml moved to www\custom
- WV: index.html, version starts with a '':
 

```

            <script>var _WVVersion =
            ".2022.2.167-
            3d9e160cb0";</script>
            
```
- WV: svg-icons.xml renamed to match other files versioning style
- WV: references and loader adjusted

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|  | ● | ● | ● | ● | ● |
|  |   | ● | ● |   | ● |
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|  |   | ● | ● |   |   |

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| <b>Version:</b>      | 2022.1.136 |           |          |           |                   |
| <b>Release date:</b> | 2022-03-08 |           |          |           |                   |
|                      | Desktop    | WebViewer | VisShare | VR-Editon | Automation Server |

- New:**
- **IMPORTANT:**
    - Network licensing (Floating) requires license server version 5.0 or higher
    - New Microsoft Redistributables will be installed during the setup routine. They contain fixes for some OS.
  - Rework: Shadow rendering #116

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| <b>Version:</b>      | 2022.1.136 |         |           |          |           |                   |
| <b>Release date:</b> | 2022-03-08 |         |           |          |           |                   |
|                      |            | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

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| <b>Fixes:</b> | <ul style="list-style-type: none"> <li>▪ Copy text from 2D files to clipboard #112</li> <li>▪ Import setting to load PMIs as 'always on top'</li> <li>▪ Increase possible datasize in 3DVS files #112</li> <li>▪ PMI reference highlighting not displayed in rare cases #184</li> <li>▪ KAS: special character handling added #186</li> <li>▪ Improve logging</li> </ul> | <ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> </ul> | <ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> </ul> | <ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> </ul> | <ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> </ul> | <ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> </ul> |
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| <b>Version:</b>      | 2022.0.296 |         |           |          |           |                   |
| <b>Release date:</b> | 2022-02-11 |         |           |          |           |                   |
|                      |            | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

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|-------------|---|--|--|--|--|--|
| <b>New:</b> | <ul style="list-style-type: none"> <li>▪ <b>IMPORTANT:</b> <ul style="list-style-type: none"> <li>○ Network licensing (Floating) requires license server version 5.0 or higher</li> </ul> </li> <li>▪ Import 3D                             <ul style="list-style-type: none"> <li>○ Parasolid 34.0</li> </ul> </li> <li>▪ Import 2D                             <ul style="list-style-type: none"> <li>○ Solid Edge 2022</li> <li>○ Solidworks 2022 (SPO)</li> <li>○ NX 1992, 1996, 2000</li> </ul> </li> <li>▪ Customize scene lighting (color/brightness) #138</li> <li>▪ Increase node luminosity #138</li> </ul> | <ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> </ul> | <ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> </ul> | <ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> </ul> | <ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> </ul> | <ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> </ul> |
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| <b>Version:</b>      | 2022.0.296  |         |           |          |           |                   |
| <b>Release date:</b> | 2022-02-11  |         |           |          |           |                   |
|                      | <ul style="list-style-type: none"> <li>▪ CATIA: PMI references to solids #50</li> <li>▪ Setting to load prototype views #51</li> <li>▪ Setup creates backup of presets.xml</li> </ul>   | ●       | ●         | ●        | ●         |                   |
| <b>Fixes:</b>        | <ul style="list-style-type: none"> <li>▪ JT to 3DVS: PMI text correctly exported #49 #105</li> <li>▪ E57: loading error when UTF8 characters in filepath #109</li> <li>▪ FBX: loading error in rare cases #119</li> <li>▪ CATDrawing: won't open #6765</li> <li>▪ CATDrawing: wrong curves #6876</li> <li>▪ DFT: wrong measurement #6912</li> <li>▪ DFT: won't open #7195</li> <li>▪ PDF: no background/wrong background color #124 #149</li> <li>▪ DXF/SVG Export: lines missing #17 #53</li> <li>▪ CGM Export fixed #18</li> <li>▪ Open 3D scene for Office documents</li> <li>▪ Improve volume calculation #47</li> <li>▪ Loading error when UTF8 characters are in filepath #81</li> <li>▪ Transform: Free drag not working #44</li> <li>▪ PMI properties: change font #59</li> <li>▪ Support info zipfile was not created #20</li> </ul> | ●       | ●         | ●        | ●         | ●                 |

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|----------------------|------------|---------|-----------|----------|-----------|-------------------|
| <b>Version:</b>      | 2022.0.296 |         |           |          |           |                   |
| <b>Release date:</b> | 2022-02-11 |         |           |          |           |                   |
|                      |            | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

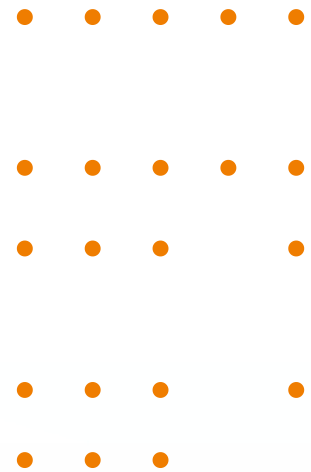
- XML-API: ImportConfigurationViews fix #39



|                      |            |         |           |          |           |                   |
|----------------------|------------|---------|-----------|----------|-----------|-------------------|
| <b>Version:</b>      | 2021.1.835 |         |           |          |           |                   |
| <b>Release date:</b> | 2021-11-10 |         |           |          |           |                   |
|                      |            | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

**New:**

- **IMPORTANT:**
  - Network licensing (Floating) requires license server version 5.0 or higher
- Import 3D
  - ACIS 2021 1.0
- Import 2D
  - NX 1980, 1984, 1988
  - 2D DWG/DXF: option to load multiple layouts #7020 #2841 #5938 #6557 #6791
- Calculate Inertia
- TIF: change contrast #7252



**Fixes:**

- FBX Export: Root nodes missing #7122
- SolidWorks configurations: incorrect display of parts #6953
- CATIA files could not be opened #7102
- PLMXML: some files could not be opened #7224
- Crash of PDFs in rare cases #7187



**Version:** 2021.1.835

**Release date:** 2021-11-10

|   | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |
|---|---------|-----------|----------|-----------|-------------------|
| ▪ Speed up deletion of views #7089  | ●       | ●         | ●        |           |                   |
| ▪ 2D text search: Position of highlighting #6804  | ●       | ●         | ●        |           |                   |
| ▪ Coloring faces #7029  | ●       | ●         | ●        |           |                   |
| ▪ Export convex hull #7046  | ●       | ●         | ●        |           | ●                 |
| ▪ Optimize update view navigation #7211   | ●       | ●         | ●        |           |                   |
| ▪ Print of large 2D files #7242   | ●       | ●         | ●        |           | ●                 |
| ▪ Correct filepaths in VSXML export #7199   | ●       | ●         | ●        |           | ●                 |
| ▪ Picking performance #7230   |         |           |          | ●         |                   |
| ▪ Clean up node IDs of markups #7226  | ●       | ●         | ●        | ●         | ●                 |
| ▪ Fix circle selection for various measurement functions #7120                                  | ●       | ●         | ●        | ●         |                   |
| ▪ TechDoc callouts: export fix #7173  | ●       | ●         | ●        |           | ●                 |
| ▪ TreePath on root level now unique #7156   | ●       | ●         | ●        | ●         | ●                 |
| ▪ Minimal bounding box: crash in rare cases #7129   | ●       | ●         | ●        | ●         |                   |
| ▪ Default language after installation #7193   | ●       |           |          | ●         |                   |
| ▪ XML-API: add SetSelectFaces #7165   | ●       | ●         | ●        |           |                   |
| ▪ XML-API: add GetNodeTransformMatrix #7137   | ●       | ●         | ●        |           |                   |
| ▪ XML-API: get/set camera using wrong position #7124  | ●       | ●         | ●        |           |                   |
| ▪ XML-API: setting a CustomId (SetNodeProperties) resets constraints on child nodes fixed #7170 | ●       | ●         | ●        |           |                   |

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| <b>Version:</b>      | 2021.1.424 |         |           |          |           |                   |
| <b>Release date:</b> | 2021-09-01 |         |           |          |           |                   |
|                      |            | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

|   |  | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |
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| <b>New:</b>   | ▪ <b>IMPORTANT:</b>  | ●       | ●         | ●        | ●         | ●                 |
|   | ○ Network licensing (Floating) requires license server version 5.0 or higher                 |         |           |          |           |                   |
|   | ○ Updated Microsoft Redistributables are needed (will be installed during the setup routine) |         |           |          |           |                   |
|   | ▪ Import 2D  | ●       | ●         | ●        |           | ●                 |
|   | ○ TIFF performance increased #7070   |         |           |          |           |                   |
|   | ▪ 2D measurements: choose document scale #6787   | ●       | ●         | ●        |           |                   |
| ▪ Search: PMI, markup, text added #7019                         |  | ●       | ●         |          |           |                   |
| ▪ Wall thickness heatmap: option to keep preferred values #6988 | ●  | ●       | ●         |          |           |                   |
| <b>Fixes:</b>   | ▪ FBX export: prevent export of deleted geometries #7086                                     | ●       | ●         | ●        | ●         | ●                 |
|   | ▪ VSXML export: physical properties will be written #6972                                    | ●       | ●         | ●        | ●         | ●                 |
|   | ▪ Improve visibilities after transformation or rotation #7050                                | ●       | ●         | ●        | ●         |                   |
|   | ▪ Length measurement: prevent crash #7085 #7105  | ●       | ●         | ●        | ●         |                   |
|   | ▪ Markup text: improve multiline handling #7033  | ●       | ●         | ●        | ●         |                   |
|   | ▪ Change path for logging to AppData directory #7025   | ●       |           |          |           |                   |
|   | ▪ VR: improve logging #7009  |         |           |          |           | ●                 |
|   | ▪ VR: improve screenshots #7010  |         |           |          |           | ●                 |

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| <b>Version:</b>      | 2021.1.11   |         |           |          |           |                   |
| <b>Release date:</b> | 2021-08-11  |         |           |          |           |                   |
|                      |   | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |
| <b>New:</b>          | <ul style="list-style-type: none"> <li>▪ <b>IMPORTANT:</b> <ul style="list-style-type: none"> <li>○ Network licensing (Floating) requires license server version 5.0 or higher</li> <li>○ Updated Microsoft Redistributables are needed (will be installed during the setup routine)</li> </ul> </li> <li>▪ Import 3D                             <ul style="list-style-type: none"> <li>○ Inventor 2022</li> </ul> </li> <li>▪ Optional prompt to save when closing a scene #6966</li> <li>▪ References for dimensionings of surfaces and edges</li> <li>▪ VR menu settings will be saved</li> </ul> | ●       | ●         | ●        | ●         | ●                 |
| <b>Fixes:</b>        | <ul style="list-style-type: none"> <li>▪ Optimization of visualization of coordinate systems #6922</li> <li>▪ Clash: set transparency of collision pair correctly #6934</li> <li>▪ 3DConnexion Controller: handling optimized #7043</li> <li>▪ Solidworks: ASM could not be opened #6865</li> </ul>   | ●       | ●         | ●        | ●         | ●                 |

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| <b>Version:</b>      | 2021.0.132  |         |           |          |           |                   | Recommended<br>Version |
| <b>Release date:</b> | 2021-07-20  |         |           |          |           |                   |                        |
|                      |   | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |                        |
| <b>New:</b>          | <ul style="list-style-type: none"> <li>▪ <b>IMPORTANT:</b></li> </ul> | ●       | ●         | ●        | ●         | ●                 |                        |

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| <b>Version:</b>      | 2021.0.132 | <b>Recommended Version</b> |           |          |           |                   |
| <b>Release date:</b> | 2021-07-20 |                            |           |          |           |                   |
|                      |            | Desktop                    | WebViewer | VisShare | VR-Editon | Automation Server |

- Network licensing (Floating) requires license server version 5.0 or higher
- New 3DVS format V17. 3DVS files exported with this version are not compatible with pre-2021 versions of 3DViewStation
- Updated Microsoft Redistributables are needed (will be installed during the setup routine)

- Import 3D
  - Catia V5-6 R2021
  - NX - Unigraphics 1980
  - Parasolid 33.1
  - Creo 8
- Import 2D
  - Creo 8
  - NX 1965, 1969, 1973

**Fixes:**

- JT: Views were missing in rare cases #6859
- NX: 3D files show empty 2D document #6964
- CATDrawing issues fixed #6765 #6876
- Solid Edge drawing issues fixed #3154 #4707 #6912

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| <b>Version:</b>      | 2021.0.124 |         |           |          |           |                   |
| <b>Release date:</b> | 2021-07-02 |         |           |          |           |                   |
|                      |            | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

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| <b>New:</b>   | <ul style="list-style-type: none"> <li>▪ <b>IMPORTANT:</b> <ul style="list-style-type: none"> <li>○ Network licensing (Floating) requires license server version 5.0 or higher</li> <li>○ New 3DVS format V17. 3DVS files exported with this version are not compatible with pre-2021 versions of 3DViewStation</li> </ul> </li> <li>▪ New FBX Im-/Exporter           <ul style="list-style-type: none"> <li>○ Import: all versions</li> <li>○ Improved load time #6410</li> <li>○ Export: binary 7.5</li> <li>○ Export coordinate system #6081</li> <li>○ Export correct scaling #5683</li> </ul> </li> <li>▪ Selection mode: Face</li> <li>▪ Change the color of faces: Add vertex colors #6946</li> <li>▪ Measurement: Cumulated area #4099</li> <li>▪ Measurement: Distance point to face #3379</li> <li>▪ Transform: Boundary conditions: X, Y and Z axis added #5615</li> <li>▪ VSXML: XSD for validation</li> <li>▪ XML-API:           <ul style="list-style-type: none"> <li>○ New method for writing custom log messages to renderer instance log files and feature usage logging</li> <li>○ Reference to part Nodelds and CustomIds added in VSXML for measurement markups</li> <li>○ Camera Zoom/Pan limits</li> <li>○ OpenFile extended: Load from URL</li> </ul> </li> </ul> | ● | ● | ● | ● | ● |
| <b>Fixes:</b> | <ul style="list-style-type: none"> <li>▪ VSXML import: improve performance #6473 #6976</li> <li>▪ Parasolid: improve format recognition #6897</li> </ul>  | ● | ● | ● | ● | ● |

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| <b>Version:</b>      | 2021.0.124 |           |          |           |                   |
| <b>Release date:</b> | 2021-07-02 |           |          |           |                   |
|                      | Desktop    | WebViewer | VisShare | VR-Editon | Automation Server |

- Improve visibility while viewing: remove flickering #6891 ● ● ● ●
- Clash computation #6921 ● ●
- Presets/properties: materials and density consolidated #6608 ● ● ● ● ●
- Performance of measuring improved #6890 ● ● ● ●
- Face highlights during measurement improved #6417 ● ● ● ●
- Circle recognition improved #4519 ● ● ● ●
- Setup: added default installation path for silent installation #6913 ● ● ● ● ●
- Setup: use user-defined path #6950 ● ● ● ● ●
- Remember user-defined accelerator keys #6915 ●
- Session sharing: server side rework, spectator client optimized ● ●
- IPC fix for interprocess synchronization and communication problem on high server CPU load ● ●
- XML-API: call execution improved #6626 ● ●

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| <b>Version:</b>      | 2021.0.95  |           |          |           |                   |
| <b>Release date:</b> | 2021-05-10 |           |          |           |                   |
|                      | Desktop    | WebViewer | VisShare | VR-Editon | Automation Server |

- New:** ▪ **IMPORTANT:** ● ● ● ● ●



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| <b>Version:</b>      | 2021.0.95  |         |           |          |           |                   |
| <b>Release date:</b> | 2021-05-10 |         |           |          |           |                   |
|                      |            | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

- Network licensing (Floating) requires license server version 5.0 or higher
- New 3DVS format V17. 3DVS files exported with this version are not compatible with pre-2021 versions of 3DViewStation

- Import 3D
  - JT 10.5 #6718
  - NX - Unigraphics 1953
  - Parasolid 33
  - Rhino3D 7
- Export 3D
  - GL Transmission Format 2.0 #5566
- Import 2D
  - CATIA V5-6R2021 (R31)
  - NX: 1953, 1957 and 1961
- GUI: Bounding box measurement optimized
- 3D-Markups: Multiple references to curves and faces
- Offset lines are now removable (by GUI and API) #6705
- 3D-Markups: Variables and attributes can be used and line breaks can be set comfortably (GUI and API)
- VR: Different controller models can be displayed
- Ad hoc session sharing with multiple users

**Fixes:**

- Markup export: Node ID & Custom ID added
- Markup creation stability improved #6600
- SolidEdge: Position of some lines were not correct #6345
- PLMXML: Sequence number added to attributes #3799
- XML-API:

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| <b>Version:</b>      | 2021.0.95  |         |           |          |           |                   |
| <b>Release date:</b> | 2021-05-10 |         |           |          |           |                   |
|                      |            | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

- Fly mode rework #6589 #6770
- Distance controllable camera alignment in fly mode
- Align horizon in fly mode
- Undo function includes node properties

|  |   |   |   |   |   |
|--|---|---|---|---|---|
| ▪ 2D-DWG: performance improved #6808                                       | ● | ● | ● |   | ● |
| ▪ 2D-DWG: PDF export resulted in empty scene in Adobe Acrobat Reader #6695 | ● |   |   |   | ● |
| ▪ 2D Compare improved #6552 #3436  | ● | ● | ● |   |   |
| ▪ 3D-PDF: Stability of PMI handling improved #6522                         | ● | ● | ● | ● |   |
| ▪ Print dialog: Scale setting improved #6595                               | ● | ● | ● |   |   |
| ▪ CATIA: Missing PMI text in rare cases #6848                              | ● | ● | ● | ● | ● |
| ▪ CATIA: PMI alignment improved #6768                                      | ● | ● | ● | ● | ● |
| ▪ SolidWorks: Structure tree optimized #5918                               | ● | ● | ● | ● | ● |
| ▪ Stability of drag&drop file import improved #6799                        | ● |   |   |   |   |

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| <b>Version:</b>      | 2021.0.6   |         |           |          |           |                   |
| <b>Release date:</b> | 2021-02-26 |         |           |          |           |                   |
|                      |            | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

**New:**                   ▪ **IMPORTANT:**                   ●           ●           ●           ●           ●

**Version:** 2021.0.6

**Release date:** 2021-02-26

|  | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |
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- Network licensing (Floating) requires license server version 4.9.22 or higher
- New 3DVS format V17. 3DVS files exported with this version are not compatible with older versions of 3DViewStation

|  |   |   |   |   |   |
|--|---|---|---|---|---|
| <ul style="list-style-type: none"> <li>▪ Import 3D               <ul style="list-style-type: none"> <li>○ 3D Manufacturing Format (3MF) 1.2.3</li> <li>○ MineCraft</li> <li>○ Revit 2021</li> <li>○ Solid Edge 2021</li> </ul> </li> </ul> | ● | ● | ● | ● | ● |
| <ul style="list-style-type: none"> <li>▪ Export 3D               <ul style="list-style-type: none"> <li>○ 3DVS V17</li> <li>○ MineCraft</li> <li>○ WaveFront OBJ</li> </ul> </li> </ul>  | ● | ● | ● | ● | ● |
| <ul style="list-style-type: none"> <li>▪ Import 2D               <ul style="list-style-type: none"> <li>○ SVG</li> </ul> </li> </ul>   | ● | ● | ● |   | ● |
| ▪ 2D: Transformations available  | ● | ● | ● |   |   |
| ▪ Align camera vertical to a face  | ● | ● | ● |   |   |
| ▪ BOM: Configuration of shown attributes   | ● | ● | ● |   |   |
| ▪ BOM: Generating of callout ID by attributes  | ● | ● | ● |   |   |
| ▪ BOM: Physical properties   | ● | ● | ● |   |   |
| ▪ Convert dialog: Prefer geometry / prefer tessellation added  | ● |   |   |   |   |
| ▪ Convex hull: Calculation speed improved  | ● | ● | ● | ● |   |
| ▪ Coordinate systems settings added and ribbon menu reorganized  | ● | ● | ● |   |   |
| ▪ Create point at intersection of two lines  | ● | ● | ● |   |   |
| ▪ Draft: Undercut analysis   | ● | ● | ● | ● | ● |
| ▪ Export of views overview to PDF  | ● | ● | ● |   |   |

| Version:  | 2021.0.6   |           |          |           |                   |
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| Release date:   | 2021-02-26 |           |          |           |                   |
|   | Desktop    | WebViewer | VisShare | VR-Editon | Automation Server |
| ▪ Import progressbar  | ●          | ●         | ●        |           |                   |
| ▪ Markups: User defined attributes                                      | ●          | ●         | ●        |           |                   |
| ▪ Measurement: Distance solids to solids                                | ●          | ●         | ●        |           |                   |
| ▪ Minimal bounding box - Exact: Calculation speed improved              | ●          | ●         | ●        | ●         |                   |
| ▪ Ribbon: Measurement reorganized                                       | ●          | ●         | ●        |           |                   |
| ▪ Section: Create orthogonal to a line                                  | ●          | ●         | ●        |           |                   |
| ▪ Section: Cut geometry with geometry colors possible                   | ●          | ●         | ●        |           |                   |
| ▪ Selection mode: PMI reference   | ●          | ●         | ●        | ●         |                   |
| ▪ Setup wizard supports update of WebViewer / VisShare                  |            | ●         | ●        |           |                   |
| ▪ Snap mode for snapping mid- or endpoints of lines and edges           | ●          | ●         | ●        | ●         |                   |
| ▪ Statusbar: Cursor coordinates   | ●          |           |          |           |                   |
| ▪ Statusbar: Format version   | ●          |           |          |           |                   |
| ▪ Support of textures: 3DVS, 3MF, DAE, FBX, GLTF, OBJ, U3D              | ●          | ●         | ●        | ●         | ●                 |
| ▪ Turntable mode: Settings for detailed configuration                   | ●          | ●         | ●        |           |                   |
| ▪ Views: Context menu to activate only the camera or the state of views | ●          | ●         | ●        |           |                   |
| ▪ Views: Import setting to apply <b>ZOOM: FIT ALL</b> to all views      | ●          | ●         | ●        |           | ●                 |
| ▪ VisShare: Mobile UI version for smartphones & tablets                 |            |           | ●        |           |                   |
| ▪ VR: Camera rotatable via thumbstick or touchpad of the controller     |            |           |          | ●         |                   |
| ▪ VR: Feedback message boxes  |            |           |          | ●         |                   |

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| <b>Version:</b>      | 2021.0.6   |         |           |          |           |                   |
| <b>Release date:</b> | 2021-02-26 |         |           |          |           |                   |
|                      |            | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

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|---------------|---|---|---|---|---|---|
|               | ▪ VR: Help menu   |   |   |   | ● |   |
|               | ▪ VR: New design of Teleport with head height   |   |   |   | ● |   |
|               | ▪ XML-API: New method ExportViewsAsPDF  | ● | ● | ● |   |   |
|               | ▪ XML-API: New method GetSearchableNodeTypes  | ● | ● | ● |   |   |
| <b>Fixes:</b> | ▪ 2D: Zooming improved #6227  | ● | ● | ● |   |   |
|               | ▪ CATDrawing: RAM usage optimized #6030   | ● | ● | ● |   | ● |
|               | ▪ DOC/XLS/PPT couldn't be opened #6519  | ● | ● | ● |   | ● |
|               | ▪ FBX: Import of colors #6092   | ● | ● | ● |   | ● |
|               | ▪ Improvements of stability when importing models with many root nodes #6486                                    | ● | ● | ● | ● | ● |
|               | ▪ JT: Import of prototype attributes #6495  | ● | ● | ● |   | ● |
|               | ▪ KAS: Generated screenshots of 3DVS files were empty in rare cases #6349                                       |   |   |   |   | ● |
|               | ▪ Markups: Improvement of markup creation in perspective mode with large models #6478                           | ● | ● | ● |   |   |
|               | ▪ Minimal bounding box: Improvement of markup alignment #6504   | ● | ● | ● | ● |   |
|               | ▪ PMI-Highlighting improved #6670   | ● | ● | ● | ● |   |
|               | ▪ Raster formats: Improvement of scaling and dimensioning with calibration factor #6479 #6338 #6303 #6434 #6551 | ● | ● | ● |   | ● |
|               | ▪ Software distribution: VR icon is no longer created #6511   | ● |   |   | ● |   |
|               | ▪ SolidWorks: EPM vault storage supported #6481   | ● | ● | ● | ● | ● |

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| <b>Version:</b>      | 2021.0.6   |         |           |          |           |                   |
| <b>Release date:</b> | 2021-02-26 |         |           |          |           |                   |
|                      |            | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

- SVG: Export of section colors and cut geometries #5775 ● ● ● ● ●
- Vertex colors were not correctly applied in views #6324 ● ● ● ● ●
- Wallthickness heatmap: Improved visualization #6415 ● ● ● ● ●
- WebViewer: Sessions in standby can be continued #6277 ● ● ● ● ●

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| <b>Version:</b>      | 2020.1.410 | <b>Recommended Version</b> |           |          |           |                   |
| <b>Release date:</b> | 2021-01-14 |                            |           |          |           |                   |
|                      |            | Desktop                    | WebViewer | VisShare | VR-Editon | Automation Server |

- New:**
- **IMPORTANT:** Network licensing (Floating) requires license server version 4.9.22 or higher ● ● ● ● ●
  - Import 3D
    - SolidWorks 2021 ● ● ● ● ●
  - Import 2D
    - CATIA V6 / 3DEXperience R2021x ● ● ● ● ●
    - NX: 1938, 1942 and 1946 ● ● ● ● ●
    - Solid Edge 2021 ● ● ● ● ●
    - SolidWorks 2021 ● ● ● ● ●
- Fixes:**
- Unattended installation: Desktop icons were not created in some cases #6511 ● ● ● ● ●
  - Minimal bounding box: Wrong orientation #6504 ● ● ● ● ●

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| <b>Version:</b>      | 2020.1.410 | <b>Recommended Version</b> |           |          |           |                   |
| <b>Release date:</b> | 2021-01-14 |                            |           |          |           |                   |
|                      |            | Desktop                    | WebViewer | VisShare | VR-Editio | Automation Server |

- SolidWorks: EPM vault storage files can't be opened #6481 ● ● ● ● ●

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| <b>Version:</b>      | 2020.1.395 | <b>Recommended Version</b> |           |          |           |                   |
| <b>Release date:</b> | 2020-11-20 |                            |           |          |           |                   |
|                      |            | Desktop                    | WebViewer | VisShare | VR-Editio | Automation Server |

- New:**
- **IMPORTANT:** Network licensing (Floating) requires license server version 4.9.20 or higher ● ● ● ● ●

- Fixes:**
- Network licensing (Floating): License borrowing for offline use #6405 ●





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| <b>Version:</b>      | 2020.1.385 | <b>Recommended Version</b> |           |          |           |                   |
| <b>Release date:</b> | 2020-10-20 |                            |           |          |           |                   |
|                      |            | Desktop                    | WebViewer | VisShare | VR-Editon | Automation Server |

improved

- **EXPLODE:**
  - On selections
  - Restriction to certain directions
- All created views can be automatically generated into single PNGs or as multi-page PDF including physical properties
- KAS method: export views
- Catia: Setting to import only captures (without views) #5700
- Setting to hide the rotation mouse pointer
- 2D: Calibration added #5692
- Save as 3DVS-format
- **FONT SUBSTITUTION:**
  - Button in settings pane to open the FontSubstitution.csv
  - The font substitution suggestion is inserted as a comment
- Default substitution font changed from Arial to MyriadCAD for better support of special characters and symbols
- API: IFC Get/SetBCFVisualizationInfo with unit (default: meter) #6033
- PMI: Possibility to edit all text fields
- Color adjustment is possible directly by entering hexadecimal or RGB values
- Optimized **OUTPUT** window:
  - The output window is now managed per scene
  - The new tab "General" contains feedback on network licensing
  - New Setting: Enhanced loading statistics (progress tab)

|                      |            |                            |           |          |           |                   |
|----------------------|------------|----------------------------|-----------|----------|-----------|-------------------|
| <b>Version:</b>      | 2020.1.385 | <b>Recommended Version</b> |           |          |           |                   |
| <b>Release date:</b> | 2020-10-20 |                            |           |          |           |                   |
|                      |            | Desktop                    | WebViewer | VisShare | VR-Editon | Automation Server |

- Setting to change the log level ●
- JT: Import setting for (quality) level of tessellation ●
- 2D: Enhanced zoom level ●
- PDF: Support of embedded JT files ●

**Fixes:**

- Physical Properties: Wrong volume calculation in native CAD models #6276 ●
- PLMXML / VSXML: Import progress status information #5767 ●
- SolidWorks SpeedPak: Assembly couldn't be imported #4950 ●
- SolidWorks: Improved loading performance #6261 ●
- SolidWorks: Assembly didn't load with 'Prefer BREP' ●
- Structure tree: Vertical scrollbar disappeared after Drag and Drop #5603 ●

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| <b>Version:</b>      | 2020.1.328 |         |           |          |           |                   |
| <b>Release date:</b> | 2020-09-11 |         |           |          |           |                   |
|                      |            | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

- New:** ▪ **IMPORTANT:** ●

**Version:** 2020.1.328

**Release date:** 2020-09-11

Desktop  
WebViewer  
VisShare  
VR-Editition  
Automation Server

Network licensing (Floating) requires license server version 4.9.20 or higher.

- Minimum system requirements changed. ● ●
- **NEW SETUP WIZARD:** ● ● ● ● ●
  - Includes all KISTERS 3DViewStation products.
  - Revised comfortable user guidance.
  - Optimised software distribution for desktop products.
- **HELPCENTER:** Online knowledge base for end users and administrators. Offline fallback included. ● ● ● ●

**Fixes:**

- VSXML: Stability improvements #6183 ● ● ● ● ●
- **EXTRACT FACES:** Stability improvements #6218 ● ● ● ● ●
- View transition mismatch and initial view issues fixed ● ● ●
- Missing images after importing views ● ● ● ● ●
- View transition ghost state issues fixed ● ● ●
- API: UpdateScene error handling optimized ● ● ●
- API: Views play animated transition handling available ● ● ●

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|----------------------|------------|---------|-----------|----------|-----------|-------------------|
| <b>Version:</b>      | 2020.1.298 |         |           |          |           |                   |
| <b>Release date:</b> | 2020-08-26 |         |           |          |           |                   |
|                      |            | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

| New: |   | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |
|------|---|---------|-----------|----------|-----------|-------------------|
|      | <ul style="list-style-type: none"> <li>▪ <b>IMPORTANT:</b></li> </ul>   | ●       | ●         | ●        | ●         | ●                 |
|      | <ul style="list-style-type: none"> <li>▪ Network licensing (Floating) requires license server version 4.9.20 or higher.</li> </ul>  |         |           |          |           |                   |
|      | <ul style="list-style-type: none"> <li>▪ Minimum system requirements changed.</li> </ul>  | ●       |           |          |           | ●                 |
|      | <ul style="list-style-type: none"> <li>▪ <b>NEW SETUP WIZARD:</b> <ul style="list-style-type: none"> <li>○ Includes all KISTERS 3DViewStation products.</li> <li>○ Revised comfortable user guidance.</li> <li>○ Optimized software distribution for desktop products.</li> </ul> </li> </ul> | ●       | ●         | ●        | ●         | ●                 |
|      | <ul style="list-style-type: none"> <li>▪ <b>HELPCENTER:</b> Online knowledge base for end users and administrators. Offline fallback included.</li> </ul>   | ●       | ●         |          | ●         | ●                 |
|      | <ul style="list-style-type: none"> <li>▪ Import 3D                             <ul style="list-style-type: none"> <li>○ ACIS 2020</li> <li>○ CATIA V5-2020</li> <li>○ Creo 7.0</li> <li>○ JT 10.3</li> <li>○ Inventor 2021</li> </ul> </li> </ul>   | ●       | ●         | ●        | ●         | ●                 |
|      | <ul style="list-style-type: none"> <li>▪ Import 2D                             <ul style="list-style-type: none"> <li>○ CATIA V6 / 3DExperience R2020x</li> <li>○ ProE / Creo Parametric 7.0</li> <li>○ NX: 1911, 1915, 1919</li> </ul> </li> </ul>   | ●       | ●         | ●        | ●         | ●                 |
|      | <ul style="list-style-type: none"> <li>▪ VSXML: Performance improvements #5388.</li> </ul>  | ●       | ●         | ●        | ●         | ●                 |
|      | <ul style="list-style-type: none"> <li>▪ MicroStation .DGN format support discontinued.</li> </ul>  | ●       | ●         | ●        | ●         | ●                 |
|      | <ul style="list-style-type: none"> <li>▪ <b>BAND ANALYSIS</b></li> </ul>  | ●       | ●         | ●        |           |                   |
|      | <ul style="list-style-type: none"> <li>▪ <b>MEASUREMENT - ANGLE:</b> Line to line (projected).</li> </ul>   | ●       | ●         | ●        |           |                   |
|      | <ul style="list-style-type: none"> <li>▪ <b>MEASUREMENT - SOLID TO SOLID:</b> Performance improved.</li> </ul>  | ●       | ●         | ●        | ●         |                   |
|      | <ul style="list-style-type: none"> <li>▪ <b>EXPLODE:</b> <ul style="list-style-type: none"> <li>○ On selections</li> <li>○ Restriction to certain directions</li> </ul> </li> </ul>   | ●       | ●         | ●        |           |                   |

**Version:** 2020.1.298

**Release date:** 2020-08-26

|   | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |
|---|---------|-----------|----------|-----------|-------------------|
| <ul style="list-style-type: none"> <li>▪ <b>VIEWS</b> can be conveniently exported as PNGs or, including the physical properties, as PDF.</li> </ul>  | ●       | ●         | ●        |           | ●                 |
| <ul style="list-style-type: none"> <li>▪ Catia: Setting to import only the captures (without views) #5700.</li> </ul>   | ●       | ●         | ●        | ●         | ●                 |
| <ul style="list-style-type: none"> <li>▪ Setting to hide the rotation mouse pointer.</li> </ul>   | ●       | ●         | ●        |           |                   |
| <ul style="list-style-type: none"> <li>▪ 2D: Calibration added #5692.</li> </ul>  |         | ●         | ●        |           |                   |
| <ul style="list-style-type: none"> <li>▪ Save as 3DVS-format.</li> </ul>  |         |           |          | ●         |                   |
| <ul style="list-style-type: none"> <li>▪ <b>FONT SUBSTITUTION:</b> <ul style="list-style-type: none"> <li>○ Button in settings pane to open the FontSubstitution.csv.</li> <li>○ The font substitution suggestion is inserted as a comment.</li> </ul> </li> </ul>  | ●       |           |          |           |                   |
| <ul style="list-style-type: none"> <li>▪ Default substitution font changed from Arial to MyriadCAD for better support of special characters and symbols.</li> </ul>   | ●       | ●         | ●        | ●         | ●                 |
| <ul style="list-style-type: none"> <li>▪ API: IFC Get/SetBCFVisualizationInfo with unit (default: meter) #6033.</li> </ul>  | ●       | ●         | ●        | ●         | ●                 |
| <ul style="list-style-type: none"> <li>▪ API: New focus method - variable transition to show the area of selected objects.</li> </ul>   | ●       | ●         | ●        | ●         | ●                 |
| <ul style="list-style-type: none"> <li>▪ PMI: Possibility to edit all text fields.</li> </ul>   |         | ●         | ●        |           |                   |
| <ul style="list-style-type: none"> <li>▪ Color adjustment is possible directly by entering hexadecimal or RGB values.</li> </ul>  | ●       | ●         | ●        |           |                   |
| <ul style="list-style-type: none"> <li>▪ Optimized <b>OUTPUT</b> window: <ul style="list-style-type: none"> <li>○ The output window is now managed per scene.</li> <li>○ The new tab "General" contains feedback on network licensing.</li> <li>○ New Setting: Enhanced loading statistics (progress tab).</li> </ul> </li> </ul> | ●       |           |          |           |                   |
| <ul style="list-style-type: none"> <li>▪ Setting to change the log level.</li> </ul>  | ●       |           |          | ●         |                   |
| <p><b>Fixes:</b></p> <ul style="list-style-type: none"> <li>▪ <b>EXTRACT SURFACES:</b> Failed in rare cases #5861, #5647.</li> </ul>  | ●       | ●         | ●        |           | ●                 |

|                      |            |         |           |          |           |                   |
|----------------------|------------|---------|-----------|----------|-----------|-------------------|
| <b>Version:</b>      | 2020.1.298 |         |           |          |           |                   |
| <b>Release date:</b> | 2020-08-26 |         |           |          |           |                   |
|                      |            | Desktop | WebViewer | VisShare | VR-Editon | Automation Server |

- **GHOST TRANSPARENCY** wasn't applied immediately #6050. ● ● ● ● ●
- **NEIGHBORHOOD SEARCH:** Stability improvements #6012. ● ● ● ● ●
- **WALLTHICKNESS HEATMAP:** Wrong results with ray method in rare cases #5678. ● ● ● ● ●
- **CIRCLE DETECTION:** Failed in rare cases #5815. ● ● ● ● ●
- 3DVS: Problem when loading very large models in the Webviewer. ● ● ● ● ●
- Creo: Section over more than one structure level #756. ● ● ● ● ●
- 2D Drawings: Markups were displayed on all pages #4880. ● ● ● ● ●
- 2D DXF: Missing lines in rare situations #5528 #5645 #5909. ● ● ● ● ●
- 2D DXF: Wrong scaling in rare cases #5537. ● ● ● ● ●
- FBX export: Surfaces sometimes had wrong colors #4537. ● ● ● ● ●
- IFC: Lines caused an empty scene in rare cases #5901. ● ● ● ● ●
- JT: Convert from 3DVS not possible in rare cases #5176. ● ● ● ● ●
- NX: Missing attributes in 'No category' #3728. ● ● ● ● ●
- STEP: Attributes with \$ characters weren't shown correctly #5627. ● ● ● ● ●
- STEP: PMIs were transparent #5006. ● ● ● ● ●
- SVG export: Node color was ignored when a vertex color was set #5777. ● ● ● ● ●
- VDA: Stability improvements #5488. ● ● ● ● ●
- API: BCF default visibility fixed #6086. ● ● ● ● ●
- API: UpdateScene / SetSelectedNodes by CustomId #5963. ● ● ● ● ●

**Version:** 2020.1.298  
**Release date:** 2020-08-26

Desktop  
 WebViewer  
 VisShare  
 VR-Editon  
 Automation Server

- API: Ghost / Constraints GhostLocked - Initial view, wrong state of ghosted nodes #5963.

**Version:** 2020.0.40

Recommended Version

**Release date:** 2020-05-12

**Fixes:**

- **DESIGNS:** Missing menu elements #5608
- **PROJECTED AREA:** Unit correction if scene unit is not mm #5763
- **POINT COORDINATE MEASUREMENT:** Consideration of the active coordinate system #5749
- Stability improvements #5804 #5794 #5829

**Version:** 2020.0.29

Recommended Version

**Release date:** 2020-04-15

**Fixes:**

- **NEIGHBORHOOD SEARCH:** Crash when changing input without selection #5741
- Opening files with double click #5742

**Version:** 2020.0.22

Recommended Version

**Release date:** 2020-04-09

**New:**

- Import 3D
  - NX 1899
  - Revit 2020
  - Parasolid v32.0
- Import 2D
  - CATIA: V5-6R2020 (R30)
  - NX: NX 1899, NX 1903, NX 1904, NX 1907

Version: 2020.0.22

Recommended Version

- Update 3DVS format to version 16 (incompatible to 3DViewStation 2019.1 and older)
- **SAVE AS** contains all 3D & 2D export formats. Additional screenshot export option in menu **TOOLS**
- Font recognition and replacement for 2D drawings (2D advanced licensed)
- Renaming of **FILTER** to **SEARCH** in menu **TOOLS**
  - Added case sensitivity option #3996
  - Search for content in PMIs, markups and text
- Clash detection:
  - Intersection volume
  - Intersection curves
  - Penetration depth
  - Performance improvement
- **NEIGHBORHOOD SEARCH:**
  - Linear distance
  - Box trap
- Status bar with additional information
- **MERGE OBJECTS** in menu **MODEL**
- New UI designs (accessible via settings)
- New UI layouts (accessible via settings)
- Update of Microsoft Redistributables
- DropConvert support discontinued
- HiCAD importer support discontinued
- Windows 32-bit support discontinued

#### Enhancements:

- 2D: Create document background setting #2996
- Color palette can be customized via `Presets.xml` #5598
- API: Import/Export of BCF Collaboration View #4877
- API: Define initial view from current state #5458
- API: SearchNodes with CustomID #5629

#### Fixes:

- Gerber: Models were opened as text files #5665
- PLMXML: Empty files when exporting to 3D format #5698
- STEP AP242: Tessellation export issue #4775
- API: Callout projection event issues #5651
- Copy and paste problems of nodes #5543 #5575
- Improved alignment for newly created coordinate systems (normal and circle center) #5455
- Incorrect positioning of instanced parts #5569 #5656
- Lines and markups disappeared when importing another model in a scene #4941
- Lines are not displayed correctly #5486
- Opening of files with double click #5606
- Irregular problems when opening models with many instances #5638
- **IP PROTECTION - DELETE INVISIBLE:** Issue when computed on faces #5581
- Wrong camera position when a view with active flight mode is activated #5414

Version: 2019.1.132

Release date: 2020-02-17



**Version:** 2019.1.132

**Enhancements:**

- Start up speed of 3DViewStation increased

**Fixes:**

- Hotfix for 2019.1.126: Windows 7 support
- Bounding Box Extents #4010
- Added setting for volume unit #5385

**Version:** 2019.1.126

**Release date:** 2020-02-11

**New:**

- Update 3DVS format to version 15 (incompatible to 2019.0 and older)
- New Redistributables 2019 added to the setup. Installation is required.
- NX 1872
- NX Drawings 1892
- Solid Edge 2020
- Solid Edge Drawings 2020
- SolidWorks Drawings 2020
- Font recognition and multiple font substitution for drawings #4752
- Colors for e57 point clouds
- API: 2D callout projection

**Enhancements:**

- Added hierarchically merge mode in ribbon Model
- Import setting ignore views by name now considers wildcard (\*)
- Added support for more CATIA attributes types #5312
- Added version number to title bar
- Improve e57 point cloud import #5275
- Support of additional fonts in drawings #2804 #5024
- STEP AP242: Export of markups #5014
- Filter renamed to Search (ribbon Tools)
- Added Search option: Case sensitive #3996
- Added Search option to find content of markups/PMIs
- New options for wire coloring of solids #3371

**Fixes:**

- Improved display of Solid Edge drawings #2408
- Convert specific CATPart to Parasolid #2669 #4746
- Wrong PDF extents #4403
- 3DXML with many structure levels causes slow import #4435
- STEP AP242 export with tessellation only #4775
- Changing boundary conditions while a transformation tool is active #5078
- 3D-PDF: Export markups #5154
- SVG exports only visible #5177
- API: File open crash #5268
- User folder in hidden network share is supported #5270
- Render materials #5314
- Incorrect placement of dimensions with activated coordinate system #5319

**Version:** 2019.1.126

- VSXML: Correct display of markups and callouts #5340
- Save correct scaling of merged objects #5374
- Camera alignment in Flythrough mode #5414
- 3DVS: Load model as saved #5422
- KAS: Conversion fails #5475

**Version:** 2019.1.53

**Release date:** 2019-12-19

**Enhancements:**

- Added new search options to the neighborhood search:
  - Box
  - Linear distance

**Fixes:**

- Export only visible geometries for vector graphics #5177
- Problems with opening CATIA data fixed #5206
- Instancing of geometries caused issues #5133

**Version:** 2019.0.721

**Recommended Version**

**Release date:** 2020-02-17

**Fixes:**

- Hotfix for 2019.0.720: Windows 7 support

**Version:** 2019.0.720

**Recommended Version**

**Release date:** 2020-02-11

**New:**

- New Redistributables 2019 added to the setup. Installation is required.
- NX 1872
- NX Drawings 1892
- Solid Edge 2020
- Solid Edge Drawings 2020
- SolidWorks Drawings 2020

**Fixes:**

- Improved display of Solid Edge Drawings #2408
- Convert specific CATPart to Parasolid #2669 #4746
- 3DXML: Many structure levels causes slow import #4435
- STEP AP242 export with tessellation only #4775

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| <b>Version:</b> | 2019.0.720 | <b>Recommended Version</b> |
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- SVG exports only visible #5177
- API: File open crash #5268
- User folder in hidden network share is supported #5270
- Incorrect placement of dimensions with activated coordinate system #5319

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| <b>Version:</b> | 2019.0.715 | <b>Recommended Version</b> |
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**Release date:** 2019-11-25

**Fixes:**

- Instancing of geometries caused issues #5133, #5121
- CATDrawing: Line breaks are ignored #4925

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| <b>Version:</b> | 2019.0.677 | <b>Recommended Version</b> |
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**Release date:** 2019-10-16

**New:**

- UI change: Add 2D and 3D export buttons (screenshots and exchange formats).
- Setting for default 3D export format (instead of last used)
- CATDrawing: R29 (V5-6R2019)
- Creo Drawing: 6.0
- NX Drawing: NX 1872 Series until 1884
- SolidEdge Drawings 2019
- Solidworks Drawings 2019

**Enhancements:**

- Automatic backup of settings before manual reset to defaults

**Fixes:**

- 3D PDF: Problem with template "Toplevel" #3168
- CATDrawing: Missing text #3837
- CATDrawing: Line width correctly rendered #2460
- CATDrawing: Loading problem #3764
- CATDrawing: Missing line breaks #4925
- IFC: Import with instancing #5043
- SolidWorks & SolidEdge Drawings: Loading problem #4077
- STEP: Wrong transformation #4774
- Section: Rendering problems #4947 #4168
- JT: PMI visibility in views #5013

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| <b>Version:</b> | 2019.0.609 | <b>Recommended Version</b> |
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**Release date:** 2019-08-27

**Version:** 2019.0.609

**Recommended Version**

**New:**

- Export progressbar
- CATIA V5-6 R2019 (R29)

**Enhancements:**

- Ribbon layout change without restart of application
- Wallthickness heatmap: Default preset set to **ROLLING BALL BASED - DETAILED**
- 2D: Consideration of line width
- FBX: Export of colors & transparencies improved
- Minimal bounding box: quick & precise calculation
- Performance of VSXML with referenced 3DVS files improved

**Fixes:**

- Administrate server button #4613
- BOM: handling of attributes #4677
- BOM: Export to CSV when using Japanese & Korean language #4770
- Transformation of coordinate systems #4704
- 2D: Symbols in fonts #4494
- 2D: File handle not closed #3239
- 2D: SolidWorks & SolidEdge Drawings #4077
- 3DVS: PMIs missing #4783
- CATDrawing: Viewing problem #3764
- Standby mode of graphic card #4756

**Version:** 2019.0.529

**Release date:** 2019-07-12

**New:**

- New option for axis aligned camera control
- CREO 6
- Inventor 2020
- NX (v1847)
- Parasolid v31.1

**Enhancements:**

- TechDoc: Ribbon menu improved
- TechDoc: Automatic association of renamed callout IDs
- Changing the interface design via the settings menu
- Inventor: Support of representations

**Fixes:**

- CREO: Import not possible #4622
- DWG: Import not possible #3640
- GTL: Imported as text file #4576
- Inventor: False transformation #2270 + #3105
- JT 10.3: Import not possible #4602
- JT: Missing PMI text #4124

**Version:** 2019.0.529

- JT: With materials leads to false transparency #4344
- NX: Incorrect display of surfaces #3217
- NX: Missing faces in exact compare #3860
- STEP: Bad representation of letters #3879
- BOM based on selection #4358
- CATDrawing: Loading from folders with umlauts #4293
- Text search with Japanese characters #4324
- Licensing: lock-file problem with network licenses #2965
- Minimal bounding box with activated coordinate system #4260

**Version:** 2019.0.420

**Release date:** 2019-04-25

**New:**

- TechDoc: Text markup with fixed position in viewport

**Fixes:**

- NX files could not be opened #3441 #4189 #3516
- GLTF: Transparency wrong #3700
- STEP could not be opened #3885
- SolidEdge: Wrong attributes #1993
- GLB: Could not be opened #3886
- KAS license error #2826
- No surface area could be calculated from projected areas #3613
- Incorrect selection of points #3931
- Font substitution does not work #4256
- SWX: Import very slow with prefer tessellation #4257
- 3DVS from 2019.0 crashes 2018.0 #4262
- CREO: Tessellation error open shells #4277
- Attributes are not read in correctly #1993
- White background in drawing ensures that font is not visible #2811

**Version:** 2019.0.383

**Release date:** 2019-04-09

**Enhancements:**

- PLMXML-Setting:
  - interpret all transformations as global transformations

**Fixes:**

- Pickray causes crash #3844
- SolidWorks: Transformations wrong #4166
- Custom presets.xml suppresses the import dialog #4237
- STPX: Transformations wrong #3791

**Version:** 2019.0.340

**Release date:** 2019-03-21

**New:**

- Kisters Automation Server (KAS) can convert to 2D vector files #3699
- ActiveX:
  - Added: HasCustomRibbonButton
  - Added: RemoveCustomRibbonButton

**Enhancements:**

- Added settings to influence CATIA Show/NoShow behavior #3499
- Replace Java license monitor tool for floating licenses with a .NET application

**Fixes:**

- Issue with SingleInstance and file import into open scene #4205
- Density presets are not displayed #4025
- KAS: Convert drawing to 3DVS/PDF was not possible #3471
- Updater reports "No updates" if connection to update server not possible #3538
- SolidWorks: Assembly could not be loaded #3950

**Version:** 2019.0.232

**Release date:** 2019-01-31

**New:**

- Transform: Move from circle center to circle center
- Importable format: e57
- Selection mode: Instance
- STEP: Import-Setting to select NAUO #2487
- Change colors of coordinate system #3933
- Turntable camera control
- Technical documentation (TECHDOC license option required)
- Split solids (ADVANCED\_ANALYSIS license option required)
- Remove/Generate normals
- Change PMIs on import with width-/height factor
- Tutorial update

**Enhancements:**

- Filter: Setting to include/exclude hidden objects
- Filter: Search of hexadecimal and RGB colors #3777
- Export PNG with transparent background
- Configurable date for PDF templates #3619
- License borrowing dialogue: Features can be borrowed individually
- Improved 2D text search
- Improved representation of floating point values in attributes #3849
- Improved representation of PMIs #3940

**Fixes:**

- Improved printing on very large paper sizes #3715
- Solved problem with line breaks in about dialog #3712

**Version:** 2019.0.232

- VSXML Import: Colors are inherited correctly #3744
- Solved issue with PLMXML import #3353
- Error messages from updater improved #3583
- Exact compare: colors swapped #3748
- Exact comparison of selections #3934
- 3DVS: Improved accuracy of transformations #3966
- Removing temporary files #3694
- False visibility after use of UNDO #3701
- Change colors of edges #3371
- ActiveX: Fix issue with OnMouseEnter event #3836

**Version:** 2018.0.365

**Recommended Version**

**Release date:** 2019-05-20

- Font replacement #4256
- NX files could not be opened #3441 #4189
- SolidEdge: Wrong attributes #1993
- STEP could not be opened #3885

**Version:** 2018.0.360

**Recommended Version**

**Release date:** 2019-02-08

**New:**

- Importer update:
- JT Import 10.2
- Parasolid V31
- Solid Edge 2019
- SolidWorks 2019
- 3D-PDF-Export: Templates with customizable date format #3619

**Fixes:**

- SVG/DXF export of cut geometry fixed #3987
- NX drawing issues #2702, #3222
- CATDrawing tables presentation #3469
- Colors corrected in exact comparison #3748
- Increased accuracy of transformations #3966
- Improved undo #3701
- Reload nodes #3765
- Export hull geometry / wire recognition #3972

**Version:** 2018.0.350

**Recommended Version**

**Release date:** 2018-12-06

**New:**

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| <b>Version:</b> | 2018.0.350 | <b>Recommended Version</b> |
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- New method for ActiveX-Contol: SetKeepAlive
- Can be used to prevent closing of the 3DViewStation instance e.g. when Terminate() is called.

**Enhancements:**

- Improved Japanese UI translations
- Update of German and English tutorial

**Fixes:**

- Crash when printing on very large paper sizes #3715
- Issues with the display of Inventor assemblies solved #3262

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| <b>Version:</b> | 2018.0.342 | <b>Recommended Version</b> |
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**Release date:** 2018-11-13

**New:**

- Type floating license only: Update of LicServerClient-Java-Tool for floating server administration/usage statistics  
-> current version of floating server software recommended

**Enhancements:**

- Improved Japanese UI translations
- Update of German tutorial

**Fixes:**

- Automatic recognition of markup fonts
- Uninstaller removes all installation files
- Type activation license only: Installation of needed Microsoft redistributables

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| <b>Version:</b> | 2018.0.333 | <b>Recommended Version</b> |
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**Release date:** 2018-10-11

**New:**

- Import dialog / Import presets
- Recognition of drill holes
- Optimize instances - results in file size reduction
- Save views separate from geometries
- Load views independent from i.e. revised geometries
- Remove edges of geometries, i.e. due to bad quality
- Re-calculate edges of geometries, i.e. to allow measurements
- Calculation of neutral axis of piping objects
- Scale geometry
- Measure face without need to extract face first
- Real time wall thickness measurement
- Skybox creator



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| <b>Version:</b> | 2018.0.333 | <b>Recommended Version</b> |
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- Wall thickness analysis color gradated, i.e. multi selection
- Mirroring of geometries with more options

**Enhancements:**

- Improved UI translations
- Direct page access for multi-page 2D documents

**Fixes:**

- Visualization of background images #3595

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| <b>Version:</b> | 2018.0.319 |
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| <b>Release date:</b> | 2018-09-18 |
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**New:**

- Context menu for each scene tab

**Enhancements:**

- Print dialog is resizable #3363
- Fullscreen can be exited via Escape (and F11)

**Fixes:**

- Solved problem when importing STEP data #3260
- Import dialog: focus issue #3457
- Solved problems with PDF Templates #3424 #3464
- ActiveX: AddContextMenuItem treats passed IDs wrong #3455
- Solved problem with display of diameter symbol #3472
- Solved problem with an old 3DVS file #3534
- Problem with Parasolid NodeNameTemplates solved #3536

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| <b>Version:</b> | 2018.0.310 |
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| <b>Release date:</b> | 2018-08-17 |
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**New:**

- Import dialog: choose between different setting presets, thus leading to different load time and quality
- Inventor 2019 file format support

**Enhancements:**

- Neutral axis can now also be applied to tessellation and BREP data
- Drill hole improvements
- 2D root nodes now contain the name of the opened 2D file #3385
- Wallthickness Heatmap unit is available #1950

**Version:** 2018.0.310

- New export setting to replace original file extension #3300

**Fixes:**

- 3DPDF: opening the 3D scene on Windows 7 systems #3144
- 3DPDF: containing U3D #3435
- OpenFile via renderer extension #3338
- PLMXML: Colors are displayed incorrectly #3319
- Bounding box world markup positioning issue #3296
- VSXML pathes with umlauts #3332
- DWG file is displayed as a white sheet #3410
- Splashscreen fix #3330
- Compare of multipage documents #3415

**Version:** 2018.0.212

**Release date:** 2018-07-18

**New:**

- Remove empty nodes
- Print dialog: Print range
- Autorotate document
- Tiled printing
- Convert dialog: IFC and FBX added
- Measurement of circle area
- CMD implementation for the quick and exact compare

**Enhancements:**

- Setup: Teamviewer is now an optional parameter during silent installation (see corresponding documentation)
- Support for tessellated PMI STEP AP242
- Selection frame now also works for:
  - Wires
  - Curves
  - Points
  - Annotations
- Improve ActiveX control

**Version:** 2018.0.95

**Release date:** 2018-06-07

**New:**

- JavaScript support for 3D-PDF export (see corresponding documentation)

**Export 3D:**

- IFC

**Version:** 2018.0.95

**Fixes:**

- ActiveX connection problem

**Version:** 2018.0.77

**Release date:** 2018-05-30

**Enhancements:**

- Menu icon for Readme and File Format List in the help category
- Menu icon for SkyBoxCreator in the tools area with which skyboxes can be generated

**Fixes:**

- CatiaV5 Import Problems #2718

**Version:** 2018.0.57

**Release date:** 2018-05-17

**New:**

- Import 2D Advanced
  - Catia V6 / 3DExperience R2017
  - Support for NX Expression
- Measuring function: Dimension surfaces
- Optional monochrome import for 2D advanced formats
- Mirror geometry over world coordinate system and active coordinate system
- Import and export views via XML file

**Enhancements:**

- Improved computation speed of world bounding box
- Enhanced line generation

**Fixes:**

- RGB colors could not be changed #2884
- PDF export generates darker preview images than previous versions #3078