

# Simpleware Software Modules and Licensing Options

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Simpleware™ software solutions are based on a core image processing platform, Simpleware ScanIP, with a choice of add-on modules to expand your workflow.

## IMAGE PROCESSING AND STL/SURFACE GENERATION

### Simpleware ScanIP Software

Simpleware ScanIP provides an extensive selection of image visualization, measurement and processing tools for working with 3D image data. Segmented images can be exported as STL, surface meshes and point clouds to CAD packages, solvers and 3D printers.

## AUTOMATE

### Simpleware AS Ortho Module

Simpleware AS Ortho provides anatomy-specific, automated segmentation tools for orthopedic MRI and CT data using Machine Learning (ML) algorithms.

## AUTOMATE

### Simpleware AS Cardio Module

Simpleware AS Cardio provides anatomy-specific, automated segmentation tools for CT data of the cardiovascular system using Machine Learning (ML) algorithms.

## AUTOMATE

### Simpleware Custom Modeler Module

Simpleware Custom Modeler creates a fully customized, automated solution using Machine Learning (ML) algorithms and/or plug-ins, purpose-built for customer needs.

## INTEGRATE

### Simpleware CAD Module

Simpleware CAD allows for the import and interactive positioning of CAD models within image data, as well as lattice generation for export as multi-part STL files.

## CONNECT

### Simpleware Design Link Module

Simpleware Design Link passes updates between SOLIDWORKS® and Simpleware ScanIP to speed up product development workflows.

## MESH

### Simpleware FE Module

Simpleware FE generates volume and surface meshes from segmented image data, and can be used to define contact surfaces, boundary conditions and material properties.

## MODEL

### Simpleware NURBS Module

Simpleware NURBS facilitates the generation of NURBS (Non-uniform rational B-spline) surfaces from segmented image data ready for import to CAD packages.

## PHYSICS

### The Simpleware Physics Modules

Simpleware SOLID, FLOW and LAPLACE calculate effective material properties from image data using Finite Element-based homogenization techniques.

## Simpleware Software Licensing Options

Synopsys is committed to providing high-quality software products on current computing platforms that are well-suited for engineering simulations. Simpleware software is fully supported on 64-bit Windows and Linux operating systems. All software products are licensed using FlexNet (FLEXlm), the industry standard software license manager from Flexera Software.

### License Configurations

- **Node-locked:** The license is tied to a single PC that can only be accessed by one user at a time. Please note that use via remote desktop connectivity does not work with node-locked licenses.
- **Floating:** The license is managed by a single PC or server, which provides licenses to other machines on the same Local Area Network (LAN). Continental and global Wide Area Network (WAN) license agreements are also available. The number of users that can access a license simultaneously is only limited by the number of seats purchased.

### License Terms

A **one-year** or **multi-year** lease of the software that comes with maintenance.

Maintenance includes full support from our engineers, including image data review and tailored advice and discussion by phone, email and web meeting. Maintenance also includes bug fixes, upgrades (minor and major) and allows node-locked licenses or a floating server license to be moved to another computer at no additional cost.

## Select Your Package

1. **Choose your software bundle:** Simpleware ScanIP standalone OR with additional modules  
*Simpleware AS Ortho, Simpleware AS Cardio, Simpleware Custom Modeler, Simpleware CAD, Simpleware Design Link, Simpleware FE, Simpleware NURBS, Simpleware SOLID, Simpleware FLOW, Simpleware LAPLACE*
2. **Choose your license configuration:** Node-locked OR Floating
3. **Choose your license term:** Annual OR Multi-year

## Supported Operating Systems (only 64-bit operating systems are supported)

Windows	Linux*
<ul style="list-style-type: none"><li>• Windows 10</li><li>• Windows Server 2016</li></ul>	<ul style="list-style-type: none"><li>• RHEL 7.x and 8.x</li><li>• CentOS 7.x and 8.x</li></ul>

\*Simpleware ScanIP Medical, Simpleware Design Link and Simpleware NURBS are not available for Linux.

The license server tools are installed from the Synopsys Common Licensing software which provides support for both Windows and Linux platforms. Please visit the Synopsys Licensing webpage for further details: [www.synopsys.com/support/licensing-installation-computeplatforms.html](http://www.synopsys.com/support/licensing-installation-computeplatforms.html) and contact us to discuss compatibility.

## Recommended System Requirements

Operating System	Hardware
<ul style="list-style-type: none"><li>• Windows 10</li><li>• Windows Server 2016</li><li>• RHEL 7.x*</li><li>• CentOS 7.x*</li></ul> <p>Only 64-bit operating systems are supported.</p> <p>*Simpleware ScanIP Medical, Simpleware Design Link and Simpleware NURBS are not available for Linux.</p>	<ul style="list-style-type: none"><li>• Processor: Intel Core i7 or equivalent</li><li>• Memory (RAM): 16 GB or more**</li><li>• Graphics card: OpenGL 3.2 compatible with 1024 MB VRAM***</li><li>• Screen resolution: 1920 x 1080; True Colour (32bit) or more</li><li>• Disk space: 100 GB</li></ul> <p>**As a guideline, allow twice as much RAM as your datasets size for volume rendering visualization and about 4 to 8 times for segmentation, surface mesh generation etc. The memory required depends heavily on the size and complexity of your image data and resultant model to be analyzed.</p> <p>***Simpleware Custom Modeler, Simpleware AS Ortho and Simpleware AS Cardio require a CUDA-enabled NVIDIA graphics card with a minimum compute capability of 3.5 and a maximum of 8.x. In addition, a minimum of 4GB VRAM is required.</p>

## Any Questions?

For more details on any of these options, please contact us at [simpleware@synopsys.com](mailto:simpleware@synopsys.com).