

Simpleware University Bundle Modules and Licensing Options

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The Synopsys University Software Program aims to inspire and foster the world's next generation of technologists and innovators by providing academic and research institutions with access to Simpleware tools and technology. These tools are essential in preparing highly-skilled graduates to work in the image-based analysis field.

The software is provided as a 50-seat Floating/Network license, enabling campus-wide access for enhanced collaboration and teaching. The only limitation is that these licenses must be used for academic research only whose results are published in peer-reviewed academic journals. Licenses cannot be used for commercial purposes or for research funded by commercial companies.

Simpleware University Bundle Tools and Features

Simpleware software provides an extensive selection of 3D image processing, analysis, and model generation tools for working with image data..

IMAGE PROCESSING

Image Import, Visualization & Processing

Extensive selection of image visualization and processing tools to manage complex 3D and 4D scan data. Seamlessly handle challenges such as poor contrast, artifacts, and low-resolution images to achieve accurate results with ease.

VOLUME MESH TOOLS

FE/CFD Volume Meshing

Direct route from image data to simulation. Generate volume meshes that are ready to use in leading FE/CFD solvers. Customize models with a wide range of options to meet specific simulation needs.

AUTO SEGMENTATION

AI-Powered Segmentation & Landmarking

Anatomy-specific automated segmentation tools for ankle, CMF, heart, hip, knee, shoulder, and spine data using Machine Learning (ML) algorithms, and automatically identifies common key landmarks.

MEASUREMENTS

Measurements & Statistics

Robust analysis and quantification tools for masks, models, and centerlines. Interactively measure and quantify data across a wide range of metrics, tailored for both global and local regions of interest. Generate custom statistics templates.

SURFACE TOOLS

Working with Computer-Aided Design

Import and interactive positioning of surface objects within 3D image data. Create NURBS models or pass updates directly between SOLIDWORKS® and Simpleware to speed up iterative product design workflows.

3D PRINTING

3D Printing Toolkit

Dedicated tools designed to rapidly convert imaging data into print-ready models. Efficiently prepare, analyze, and inspect models tailored for 3D printing. Export in a range of file formats for a smooth transition from digital to physical part.

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

- **Floating/Network licensing:** the license is managed by a single PC or server, which provides licenses for up to 50 machines on the same local area network (LAN).
- **One-year** or **multi-year** lease of the software that comes with maintenance.

Maintenance

Maintenance is included with the software: Synopsys will provide you with access to online support. Maintenance also includes bug fixes, upgrades (minor and major) and allows licenses to be moved to another computer/server at no additional cost.

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

Windows	Linux*
• Windows 10 • Windows 11 • Windows Server 2016 • Windows Server 2019 • Windows Server 2022	• RHEL 7.x and 8.x • CentOS 7.x and 8.x

*Simpleware Design link tools are not available in the Linux operating system.

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 and contact us to discuss compatibility.

Recommended System Requirements

Operating System	Hardware
• Windows 11 • Windows Server 2019 • RHEL 7.x* • CentOS 7.x* Only 64-bit operating systems are supported. *Simpleware Design link tools are not available in the Linux operating system.	• Processor: Intel Core i7 or equivalent • Memory (RAM): 16 GB or higher** • Graphics card: OpenGL 3.2 compatible graphics card with 1024 MB VRAM*** • Screen resolution: 1920 x 1080; True color (32bit) or more • Disk space: 100 GB **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. ***Simpleware Auto Segmentation tools 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.

Any Questions?

For more information on the Simpleware University Bundle, please contact us and we will promptly send you all the details you need:

- For US and Canada inquiries: univprogram@synopsys.com
- For Mexico and South America inquiries: contacto@3dcare.com
- For EMEA inquiries: MicroelectronicsCentre@stfc.ac.uk