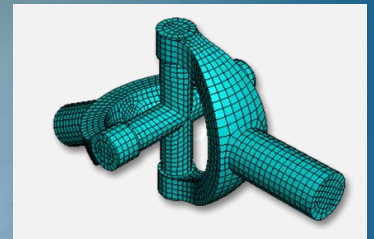


ABAQUS/CAE: GEOMETRY IMPORT AND MESHING

SIMULIA COURSE DESCRIPTION



Level: Advanced
Products: Abaqus
Disciplines: Structures

Audience
This course is recommended for users with a basic knowledge of Abaqus/CAE who wish to become more proficient with the product.

Why take this course?

Real-world engineering commonly involves the analysis and design of complicated geometry. These types of analysis depend critically on having a modeling tool with a robust geometry import capability in conjunction with advanced, easy-to-use mesh generation algorithms. This course provides an in-depth look at several advanced Abaqus/CAE capabilities: CAD geometry import and repair, meshing and partitioning of complicated geometry. Both native and neutral geometry formats are discussed. An in-depth treatment of meshing techniques is also provided, including the use of virtual topology to ease the meshing of complicated geometry in the presence of small geometric features. The course consists of lectures, demonstrations and workshops.

What will you learn?

Upon completion of this course you will be able to:

- Import, edit, and repair CAD geometry.
- Import and edit orphan meshes.
- Use virtual topology to ease the meshing of

complicated geometry.

- Partition geometry to enable different meshing techniques.

Explore Your Learning Options

Live Sessions	Engage in Real-Time, interactive group workshops guided by experts. Learn and collaborate live in your preferred language and time zone.	Join a live session
On-Demand Learning	Access expert-designed courses anytime, anywhere. Perfect for independent learners looking to build skills on their schedule.	Start Learning Now
Private Training	Exclusive, tailor-made sessions designed to meet your team's unique goals with expert guidance.	Contact Us for Custom Training



Gain hands-on experience and master real-world workflows through guided, practical training sessions.

Apply nonlinear analysis techniques to simulate complex structural and multiphysics problems accurately.

– SIMULIA Training Expert Team

What You Need to Know Before Starting

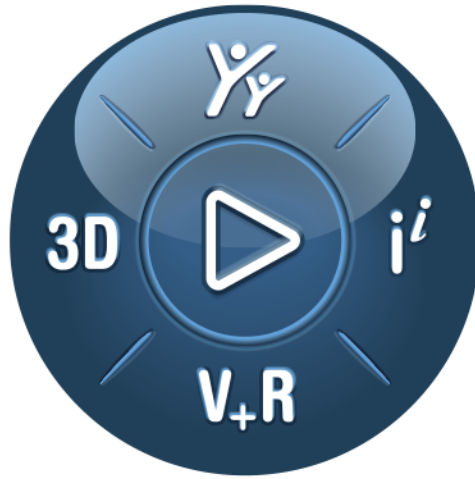
Introduction to Abaqus/CAE or equivalent.

Want to Learn More?

Expand your knowledge by exploring our [course Catalog](#) and browsing learning paths on [Eduspace](#), our dedicated e-learning platform.

Join the Community!

[Join the SIMULIA community](#) to connect, learn, and stay updated.



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