

Scripting Guide

Table of contents

In this guide 1

The Scripting Guide explains how to automate Coreform IGA for Abaqus. It focuses on workflows, decisions, and complete examples rather than cataloging every available method.

The API has a portable Coreform layer for raw, Abaqus-independent data and an Abaqus adapter layer for persistence and translation. The [Scripting Reference](#) mirrors that source layout when you need an exact signature, parameter, return value, attribute, or exception.

In this guide

Start here

Getting started

Launch an Abaqus Python script with the Coreform IGA application, initialize the model database, and learn the scripting object model.

[Run your first script →](#)

Working with Probes

Choose a Probe type and target, create persistent Probe records, update them safely, and exchange portable specifications.

[Create Probes →](#)

Working with Meshes

Choose the correct Mesh owner, configure an immersed or body-fit Mesh, and resolve owner-dependent values.

[Create Meshes →](#)

Running Jobs

Configure the Mesh, interoperability, and Abaqus solve stages; run locally or prepare scripts for a scheduler.

[Run a Job →](#)