

ArcGIS Geoprocessing: Python Scripting—Advanced Techniques

Goals of the workshop

- Build on topics covered in the Python Scripting—Introduction to Python workshop.
- Introduce further Python scripting topics including cursors, error handling, and geoprocessing services.

Major topics covered

- Working with cursors: Accessing data with a cursor; reading, modifying, and writing geometry
- Efficiency tips: Using Python lists and dictionaries; using layers and table views; running models from a script
- New 9.3 methods: Including ArcSDESQLExecute and AddFieldDelimiters
- Error handling: Handling errors; raising errors: using Python's traceback module to get more information about errors
- Using objects for parameter values: Value tables; properties of a Describe object
- Working with Geoprocessing Services: Accessing services; using a service's output