ArcGIS Python API:
Advanced Scripting

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ArcGIS API for Python

- What is it?

  - Pythonic representation of your GIS
  - Powerful, modern and easy to use
  - Implemented using REST + local capabilities
ArcGIS Python API
- What can it do for you?

Enterprise Integration
Users, Roles & Group management

Power Users
Developers

Platform API

Spatial Analysis
Imagery
Location Analytics

Data Scientists

Big Data
Raster Analytics
Feature Analytics

Analysts

Content Publishers

Administrators
DevOps

Your Web GIS

Script and automate your Web GIS

Data Management
API Overview
• Pythonic GIS API
The GIS Module
Demo

Raster Module

Desktop
Apps

WebGIS Automation
<table>
<thead>
<tr>
<th>Title</th>
<th>Date &amp; time</th>
<th>Room</th>
<th>Repeat Date &amp; time</th>
<th>Repeat Room</th>
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</thead>
<tbody>
<tr>
<td>Administering ArcGIS Enterprise and ArcGIS Online with Python</td>
<td>Tuesday (July 11) 8:30 – 9:45 AM</td>
<td>SDCC – Ballroom 06 D</td>
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<tr>
<td>Mapping, Visualization and Analysis using ArcGIS API for Python</td>
<td>Tuesday (July 11) 8:30 – 9:45</td>
<td>SDCC – Room 01 A</td>
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<td>ArcGIS Python API: Introduction to scripting your Web GIS</td>
<td>Tuesday (July 11) 10:15 – 11:30 am</td>
<td>SDCC – Room 09</td>
<td>Wed (July 12) 10:15 – 11:30</td>
<td>Hilton – Sapphire Ballroom M</td>
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<tr>
<td>Cloning your Portal users, groups and content using ArcGIS API for Python</td>
<td>Tuesday (July 11) 12:30 - 1:15 pm</td>
<td>SDCC – Demo Theater 11</td>
<td>Wed (July 12) 2:30 – 3:15 pm</td>
<td>SDCC – Demo Theater 11</td>
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<td>ArcGIS API for Python for GIS Analysts and Data Scientists</td>
<td>Tuesday (July 11) 2:30 - 3:15 pm</td>
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<td>Automating Enterprise GIS Administration using Python</td>
<td>Tuesday (July 11) 4:30 pm – 5:15 pm</td>
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<td>Scripting and Automation for the Web GIS power user</td>
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<td>SDCC – Demo Theater 11</td>
<td>Wed (July 12) 4:30 – 5:15 pm</td>
<td>SDCC – Demo Theater 11</td>
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<td>Administering ArcGIS Enterprise and Online with Python</td>
<td>Thu (July 13) 8:30 – 9:45 am</td>
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<td>Thu (July 13) 10:15 – 11:30 am</td>
<td>SDCC - Room 02</td>
<td>Friday (July 14) 9:00 – 10:15</td>
<td>SDCC Ballroom 06 B</td>
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<td>ArcGIS Python API for Administrators and Content Publishers</td>
<td>Thu (July 13) 12:20 – 1:15 pm</td>
<td>SDCC – Demo Theater 08</td>
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