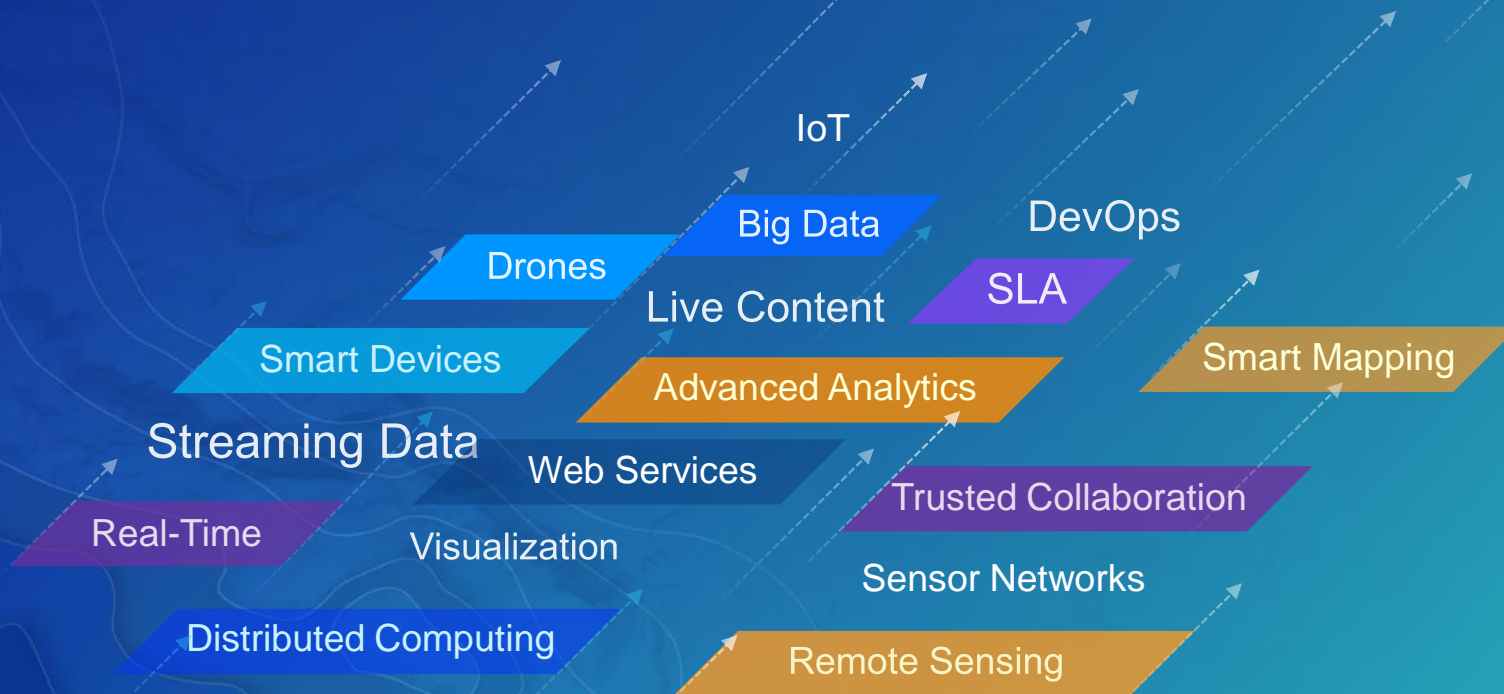


# Automating Enterprise GIS Administration using Python

ANDREW CHAPKOWSKI

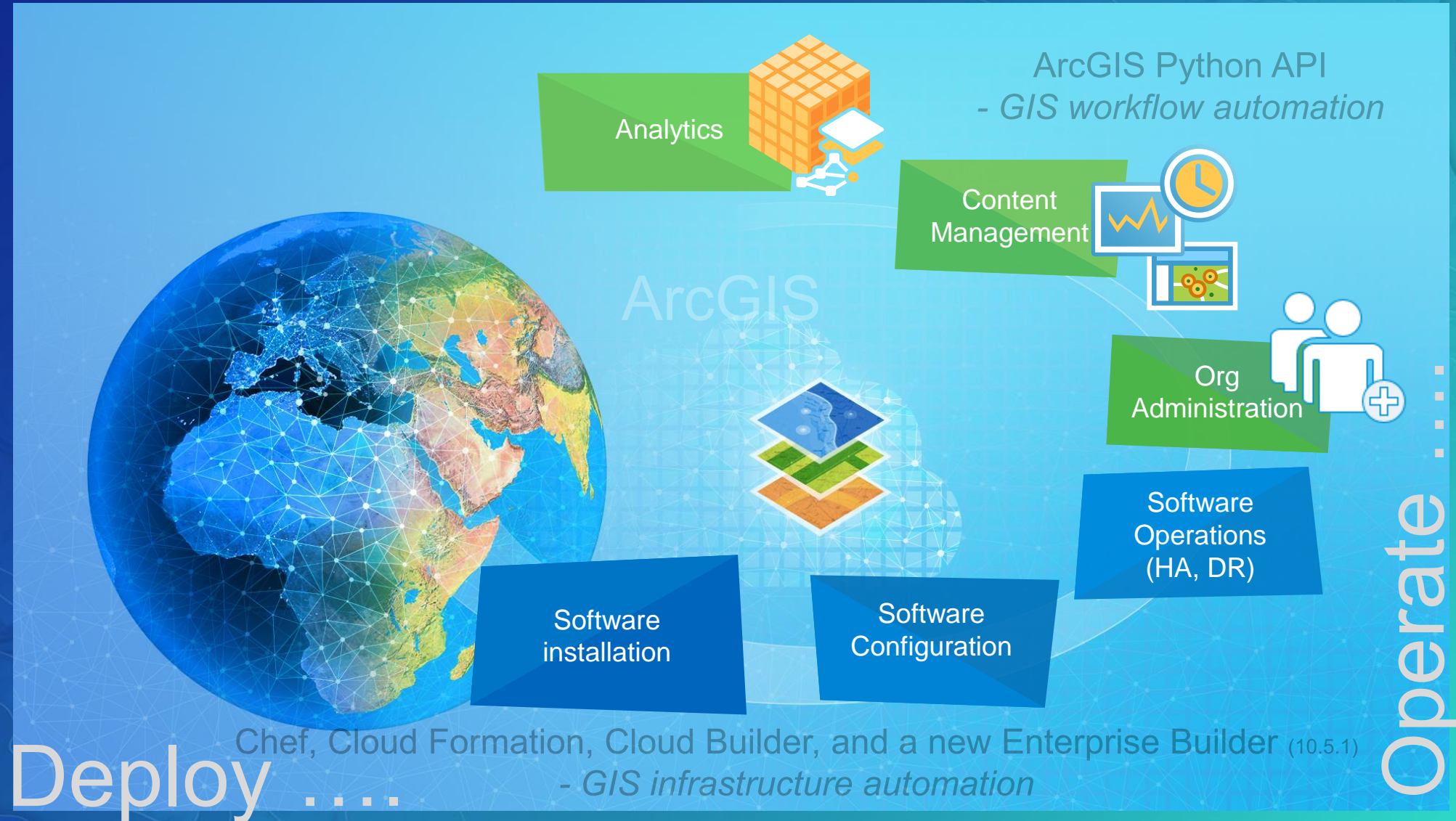
BILL MAJOR

# Automation & Scripting



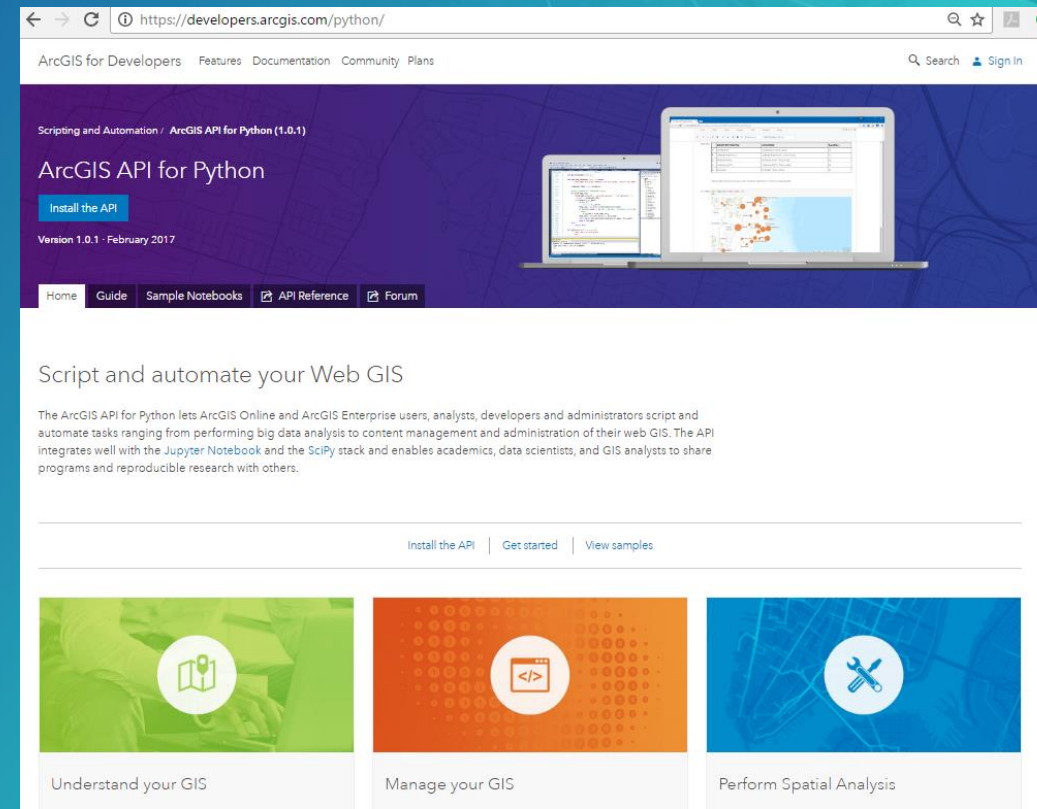


# Automate and Script your Web GIS



# ArcGIS API for Python

- A new *Python API for your Web GIS*, which could be online or on-premises
  - Modern, powerful, easy-to-use
- For use by anyone who has workflows that require automation or scripting
  - org administrators
  - content publishers
  - analysts and data scientists
  - power users and developers
- Access the power of your Web GIS
  - Including GeoAnalytics and Raster Analytics





# Agenda

- Portal API
  - Managing Users and Roles
  - Importing SSL Certificates
  - Portal Logs and Metrics
- Server API
  - Accessing from Portal
  - Start/Stop/Delete Services
  - Managing Services
  - Logs and Statistics



## Automating Enterprise GIS Administration using Python

Andrew Chapkowski

Bill Major



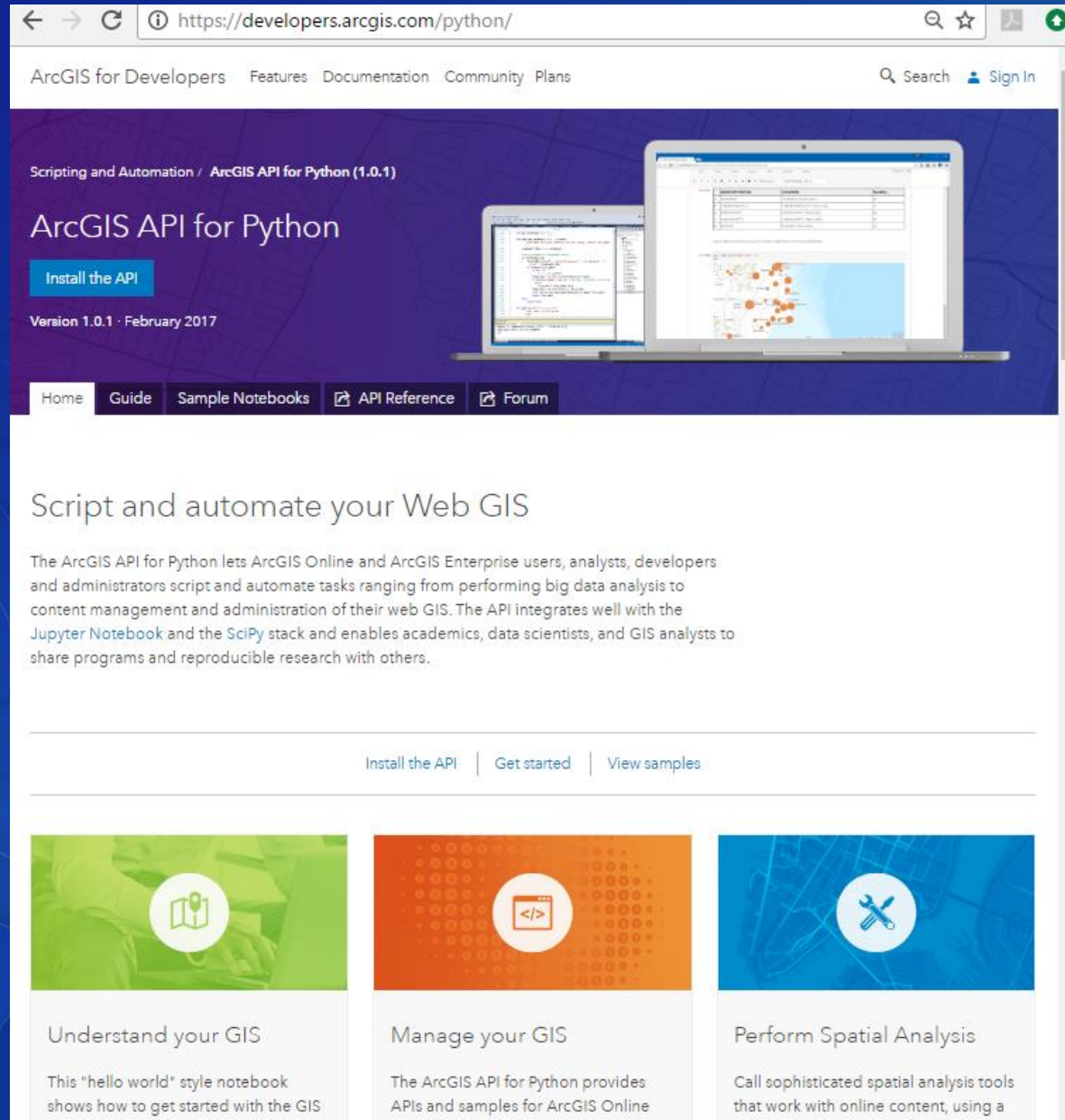
Esri User Conference, July 2017



# Demos

Using Jupyter Notebooks with Reveal.js

<https://developers.arcgis.com/python>



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Scripting and Automation / ArcGIS API for Python (1.0.1)

## ArcGIS API for Python

[Install the API](#)


Version 1.0.1 · February 2017

Home Guide Sample Notebooks API Reference Forum

### Script and automate your Web GIS


The ArcGIS API for Python lets ArcGIS Online and ArcGIS Enterprise users, analysts, developers and administrators script and automate tasks ranging from performing big data analysis to content management and administration of their web GIS. The API integrates well with the [Jupyter Notebook](#) and the [SciPy](#) stack and enables academics, data scientists, and GIS analysts to share programs and reproducible research with others.

[Install the API](#) | [Get started](#) | [View samples](#)




#### Understand your GIS

This "hello world" style notebook shows how to get started with the GIS



#### Manage your GIS

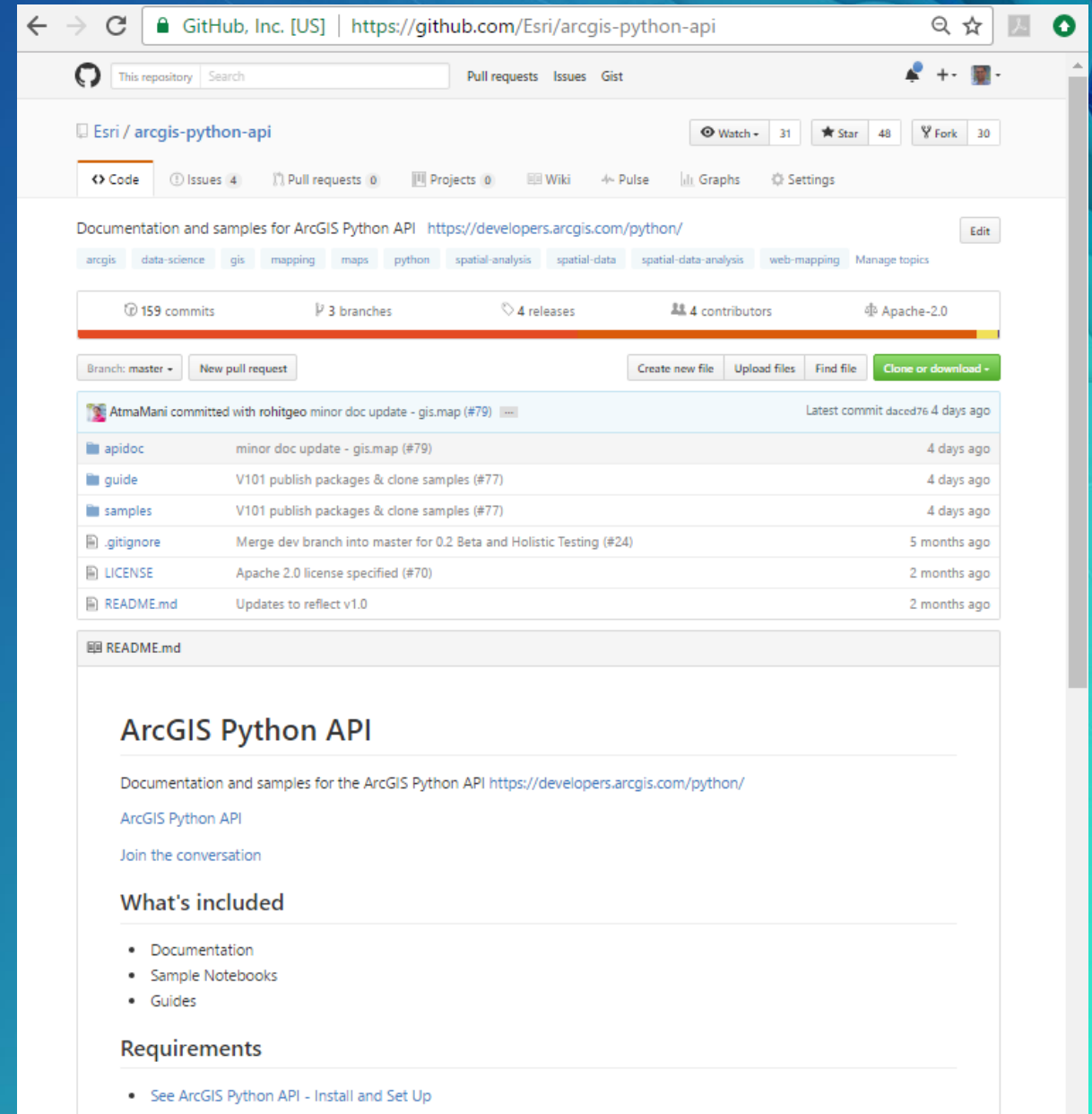
The ArcGIS API for Python provides APIs and samples for ArcGIS Online



#### Perform Spatial Analysis

Call sophisticated spatial analysis tools that work with online content, using a

<https://github.com/Esri/arcgis-python-api>



GitHub, Inc. [US] | <https://github.com/Esri/arcgis-python-api> Search Pull requests Issues Gist

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Documentation and samples for ArcGIS Python API <https://developers.arcgis.com/python/> Edit

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159 commits 3 branches 4 releases 4 contributors Apache-2.0

Branch: master New pull request Create new file Upload files Find file Clone or download

AtmaMani committed with rohitgeo minor doc update - gis.map (#79) Latest commit daced76 4 days ago

apidoc	minor doc update - gis.map (#79)	4 days ago
guide	V101 publish packages & clone samples (#77)	4 days ago
samples	V101 publish packages & clone samples (#77)	4 days ago
.gitignore	Merge dev branch into master for 0.2 Beta and Holistic Testing (#24)	5 months ago
LICENSE	Apache 2.0 license specified (#70)	2 months ago
README.md	Updates to reflect v1.0	2 months ago

### ArcGIS Python API

Documentation and samples for the ArcGIS Python API <https://developers.arcgis.com/python/>

ArcGIS Python API

[Join the conversation](#)

### What's included

- Documentation
- Sample Notebooks
- Guides

### Requirements

- [See ArcGIS Python API - Install and Set Up](#)



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## Other Useful Python API Technical Workshops

- Administering ArcGIS Enterprise and ArcGIS Online with Python (Tech Workshop)
  - Tuesday 8:30am, Thursday 8:30am
- Mapping, Visualization, and Analysis Using ArcGIS API for Python
  - Tuesday 8:30am
- ArcGIS Python API: Introduction to Scripting your Web GIS
  - Tuesday 10:15am, Wednesday 10:15am
- ArcGIS Python API: Advanced Scripting
  - Thursday 10:15am, Friday 9:00am
- ArcGIS Enterprise: The Road Ahead
  - Wednesday 3:15pm, Thursday 1:30pm

## Other Useful Python API Demo Theater Sessions

- Automating Enterprise GIS Administration using Python
  - Tuesday 4:30pm
- Cloning Your Portal Users, Groups and Content using ArcGIS API for Python
  - Tuesday 12:30pm, Wednesday 2:30pm
- ArcGIS Python API for GIS Analysts and Data Scientists
  - Tuesday 2:30pm
- Scripting and Automation for the Web GIS Power User
  - Tuesday 5:30pm, Wednesday 4:30pm
- ArcGIS Python API for Administrators and Content Publishers
  - Thursday 12:30pm



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