



Python

Our commitment to Python is
stronger than ever

Python is the language of the
ArcGIS platform

Demonstration

- **Problem Statement - Drought**
 - Social and Economic Impacts for the Western US.
 - I heard “I Am Thirsty” through the Grape Vine?
 - Monitoring Drought and Vineyards
 - Python – From Start to Finish



Step 1: Download and Extract Data from the Drought Monitor

Obtaining the Drought Zones



**Python Powered By
ArcGIS Engine**

Web

Python Module: urllib

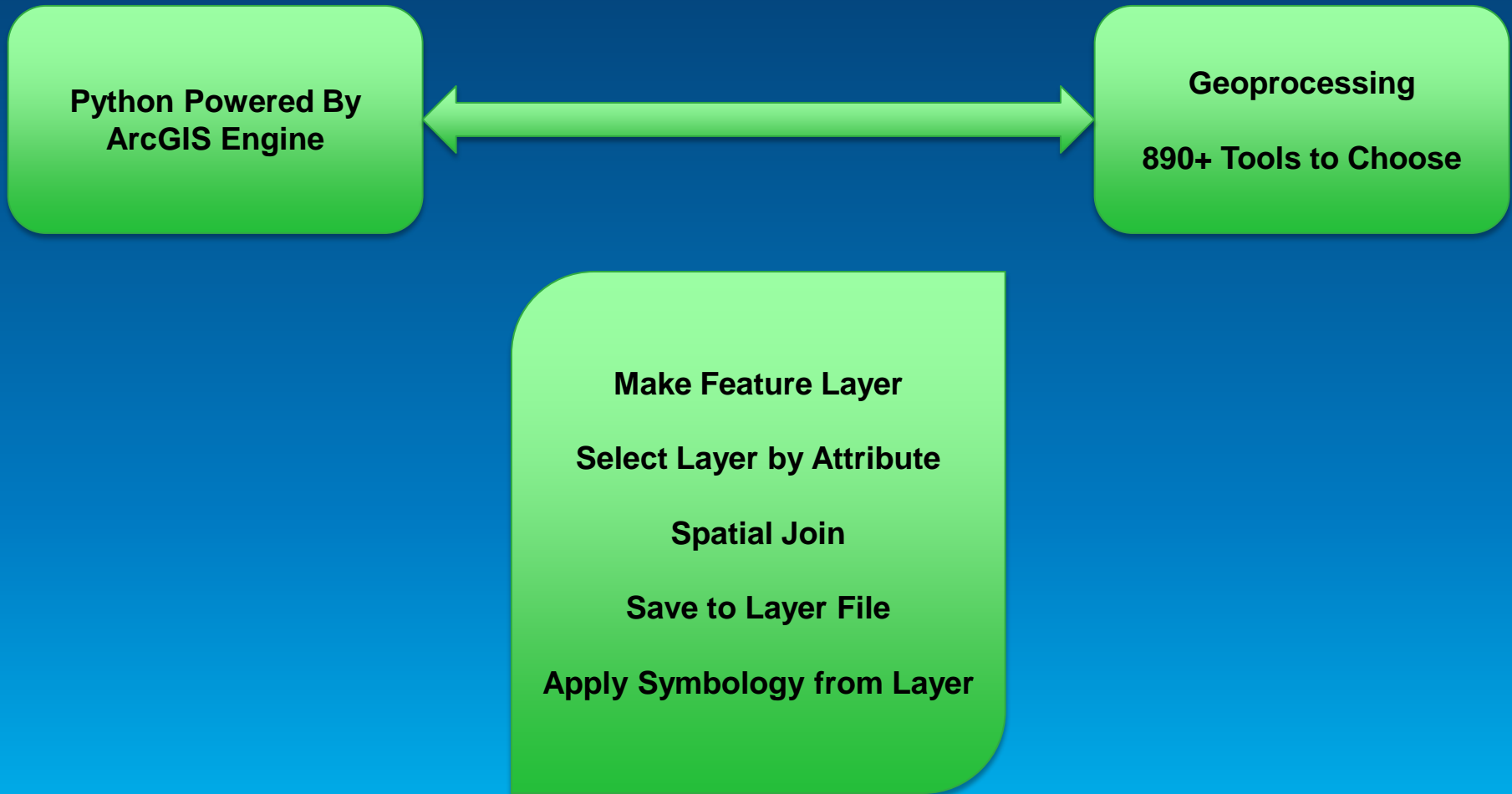
Download Files From the Web

Python Module: zipfile

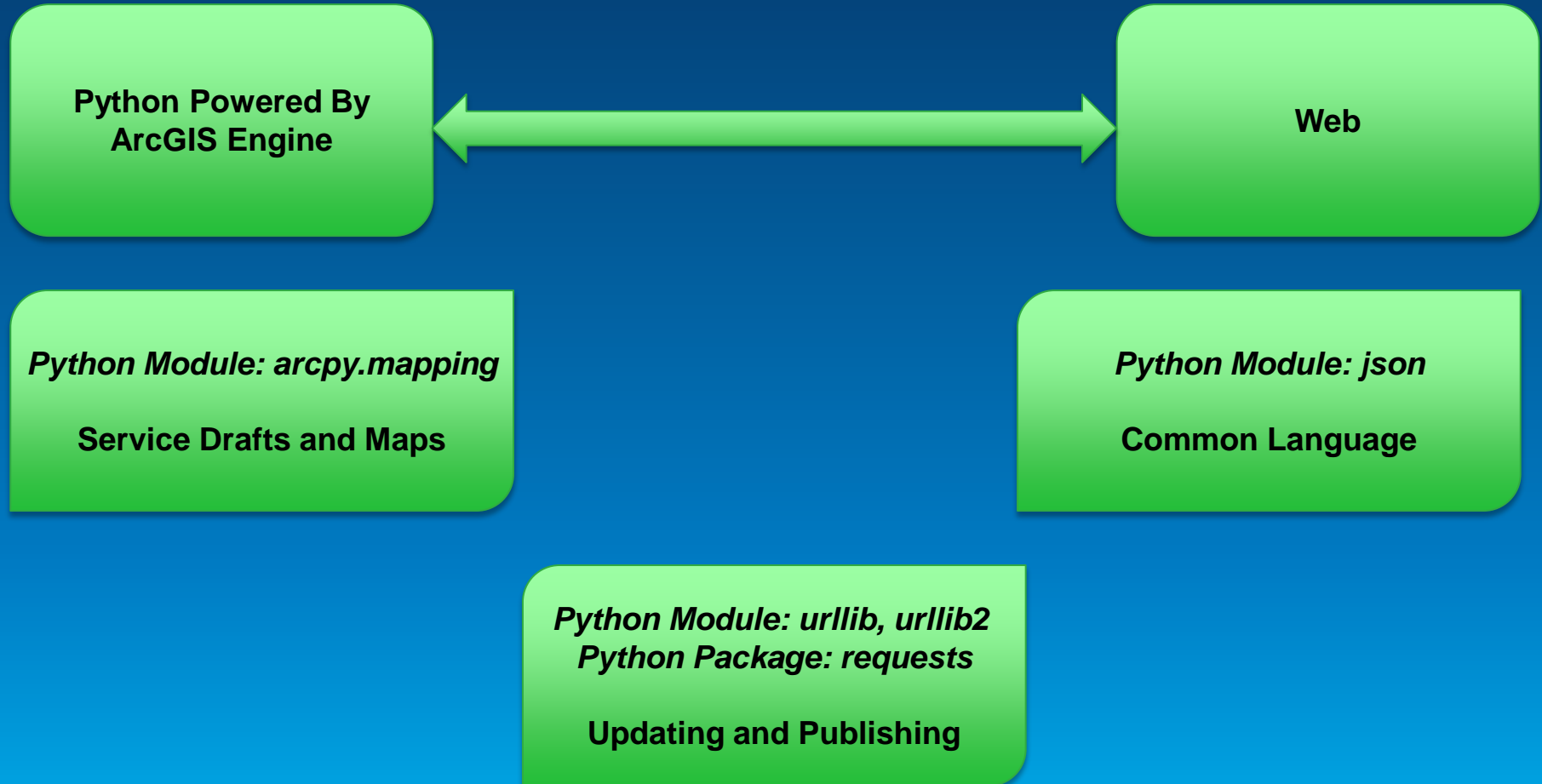
Extract archived files

Step 2: The Power of Geoprocessing

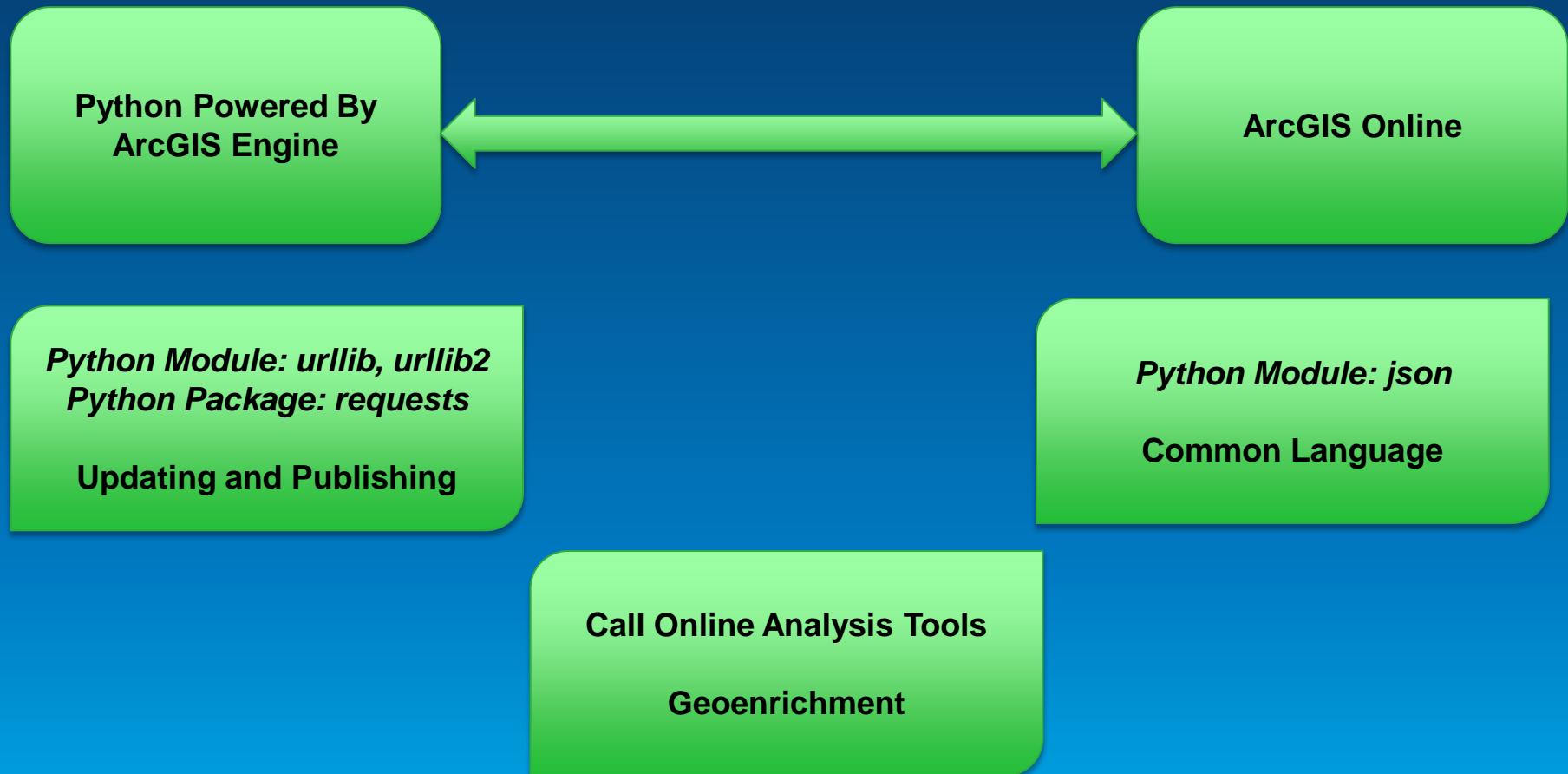
Selecting the Wineries within Drought Zones



Step 3: ArcPy – Managing Online Content



Step 4: Direct Control of ArcGIS Online



Extends Functionality: <https://github.com/arcpy/update-hosted-feature-service>

Step 5: Automation



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Python Package: python-crontab

Update every 7th Day

Availability:

<https://github.com/mjanikas/devsummit-14-python>