



ArcGIS API for Python: Advanced Scripting

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ArcGIS API for Python

What is it?

- Python library for spatial analysis, mapping and GIS
- Powerful, modern and easy to use
- Powered by Web GIS, with local capabilities

Made for AUTOMATION and DATA SCIENCE

ArcGIS API for Python

What can it do for you?

Platform API
**Power Users
Developers**

Enterprise Integration

Users, Roles & Group management



**Administrators
DevOps**

Analysts

Spatial Analysis

Imagery

Location Analytics

Big Data

Raster Analytics

Feature Analytics

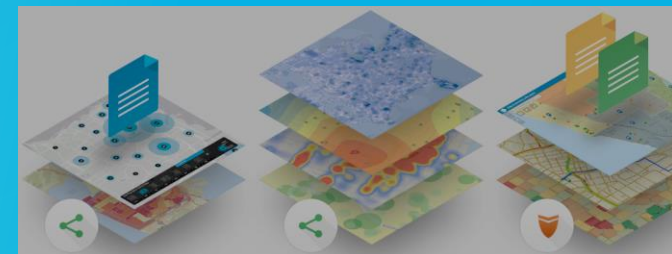
Data Scientists

Content Publishers

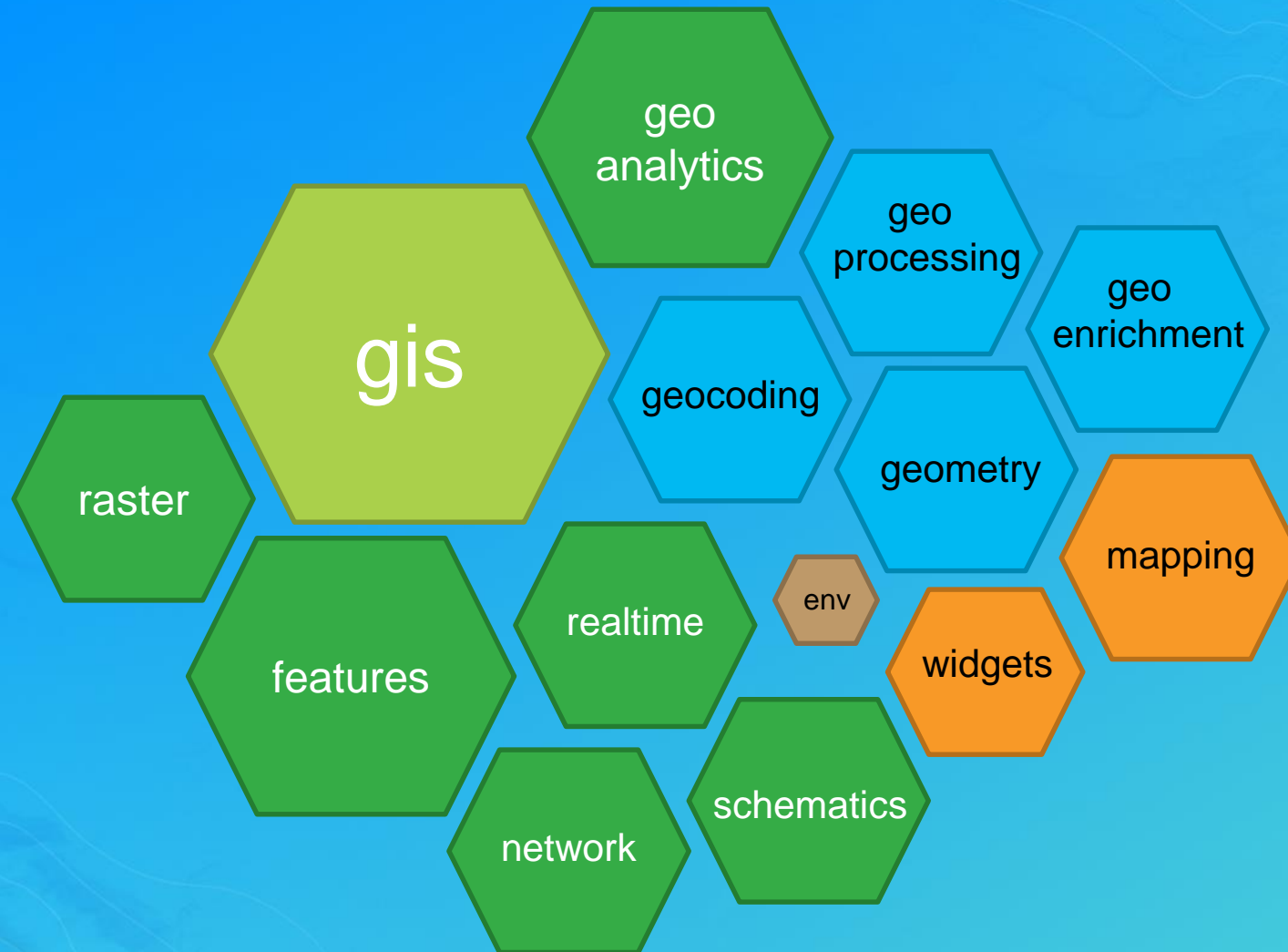
Your Web GIS

A Pythonic representation of GIS

Data Management



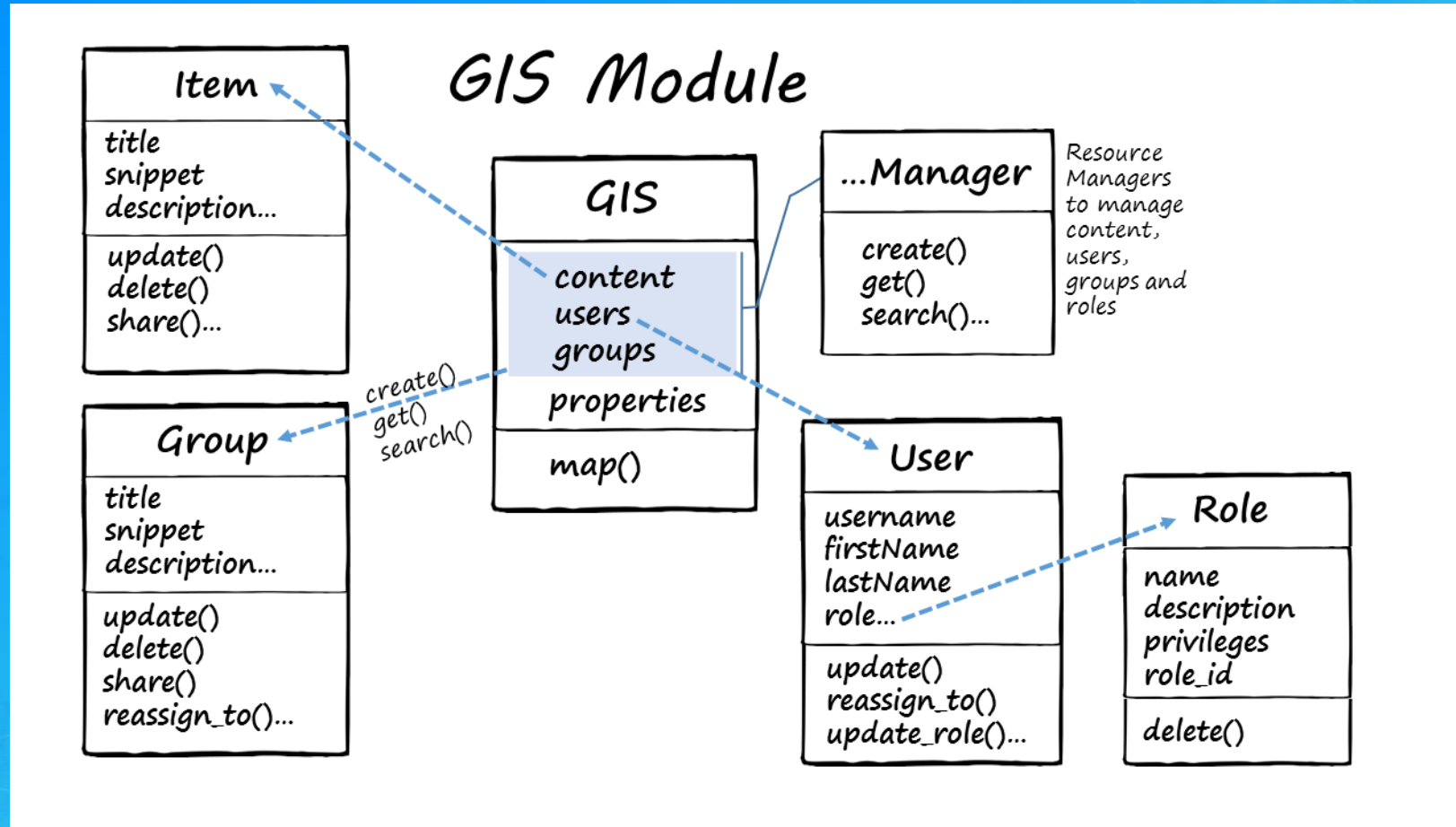
API Overview



GIS Module

Information model of your GIS. Entry point into the API

The gis module

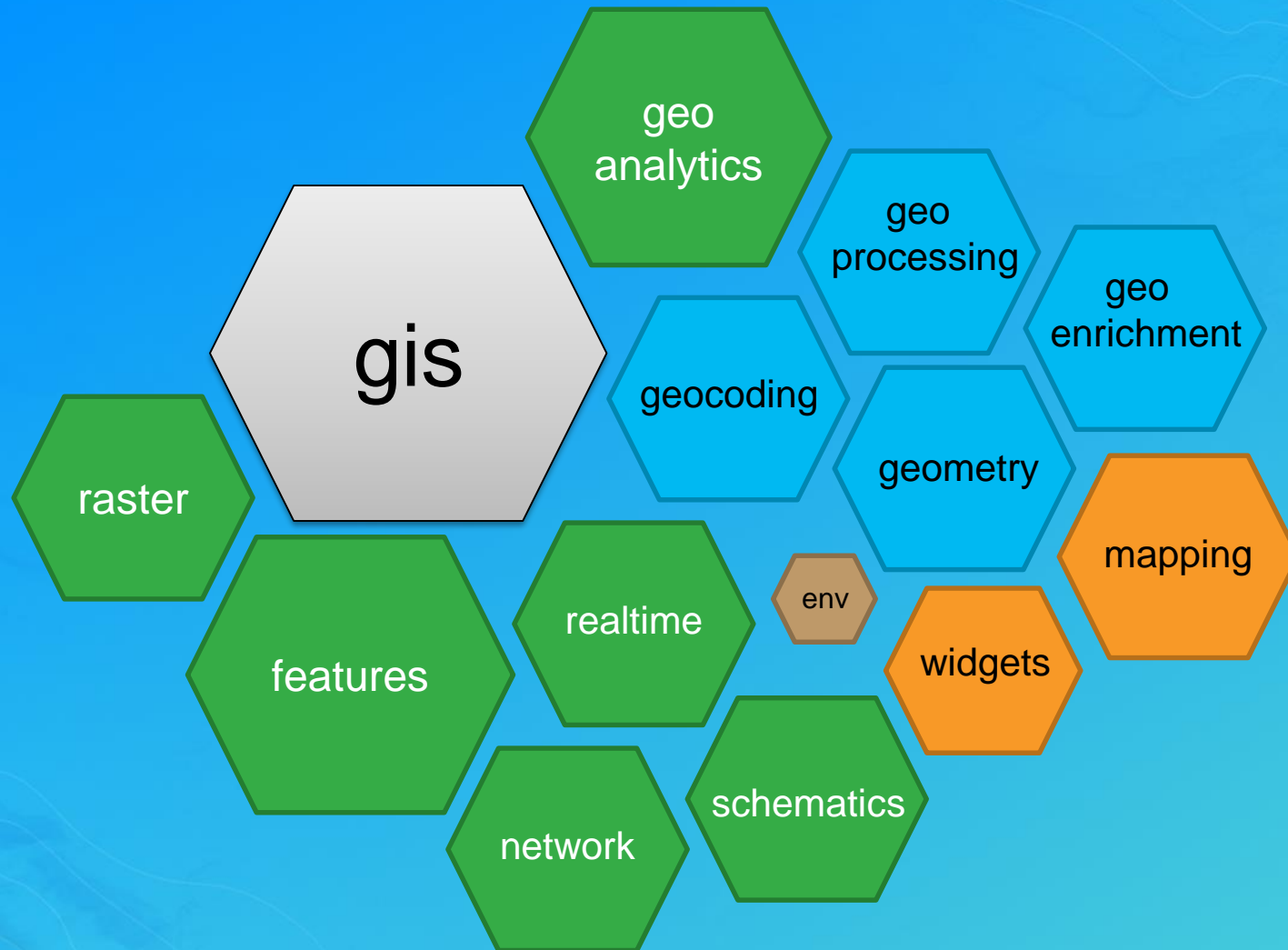




Demo

GIS Module

API Overview

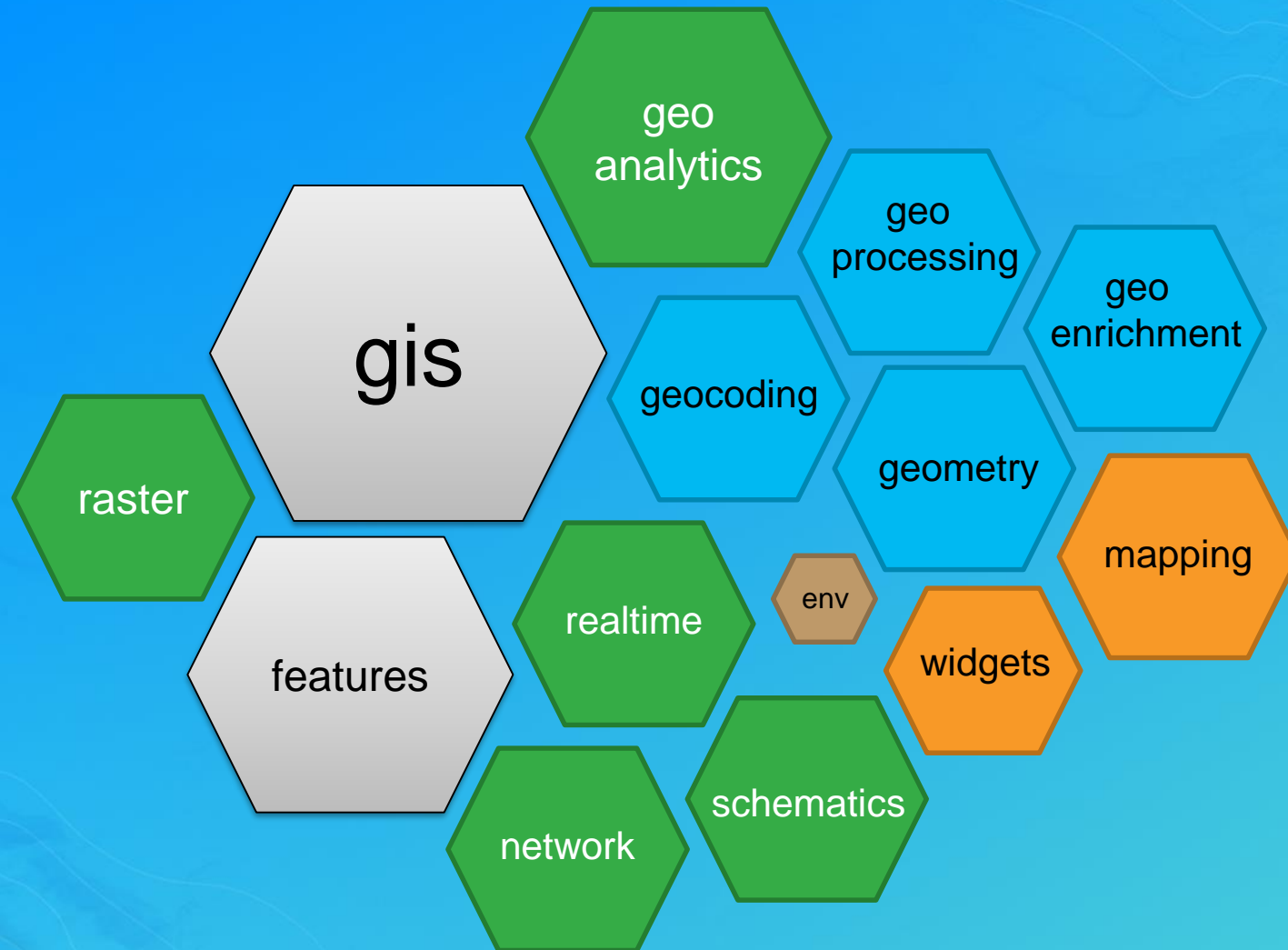




Demo

Features Module

API Overview

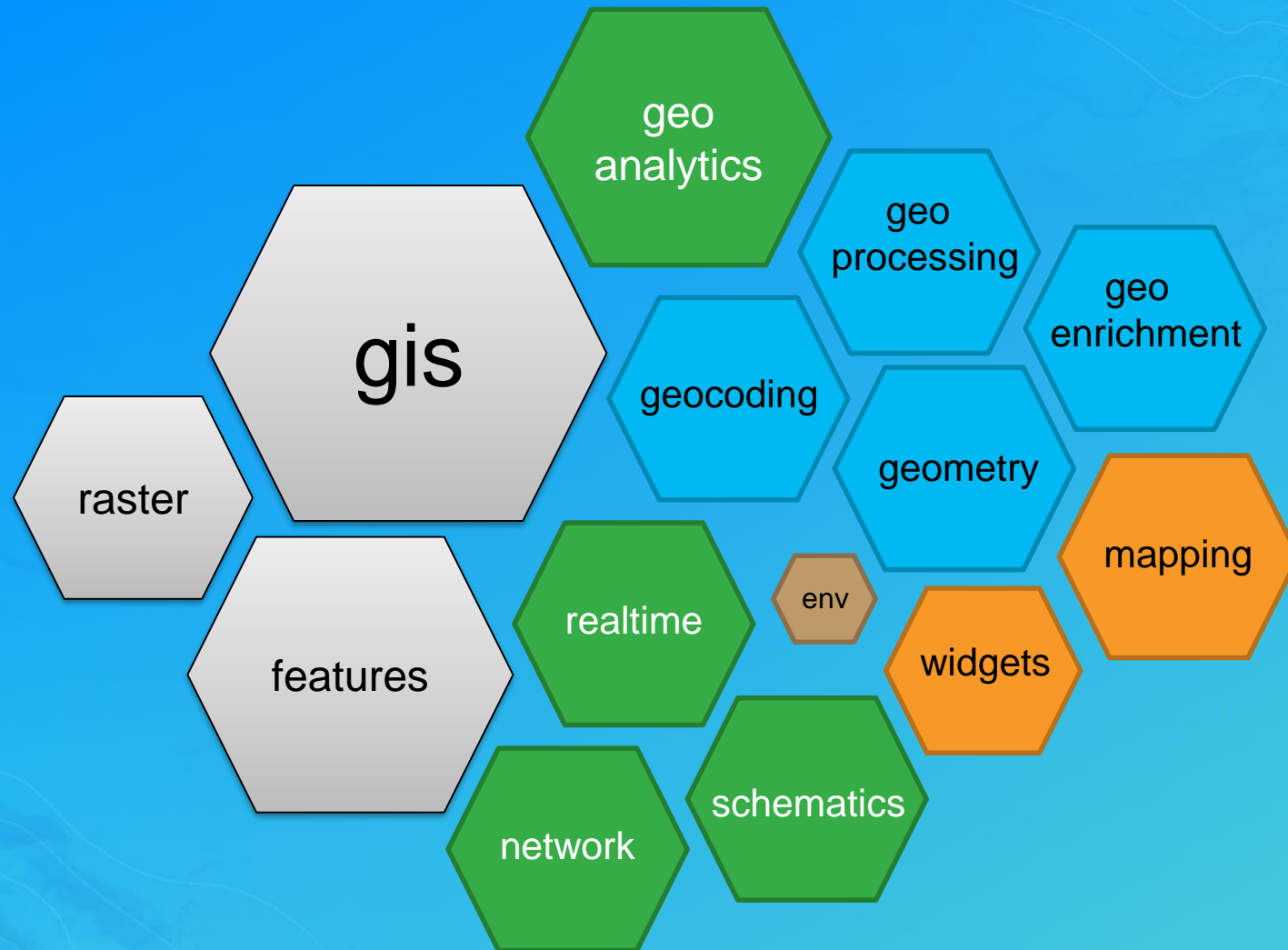




Demo

Raster Module

API Overview

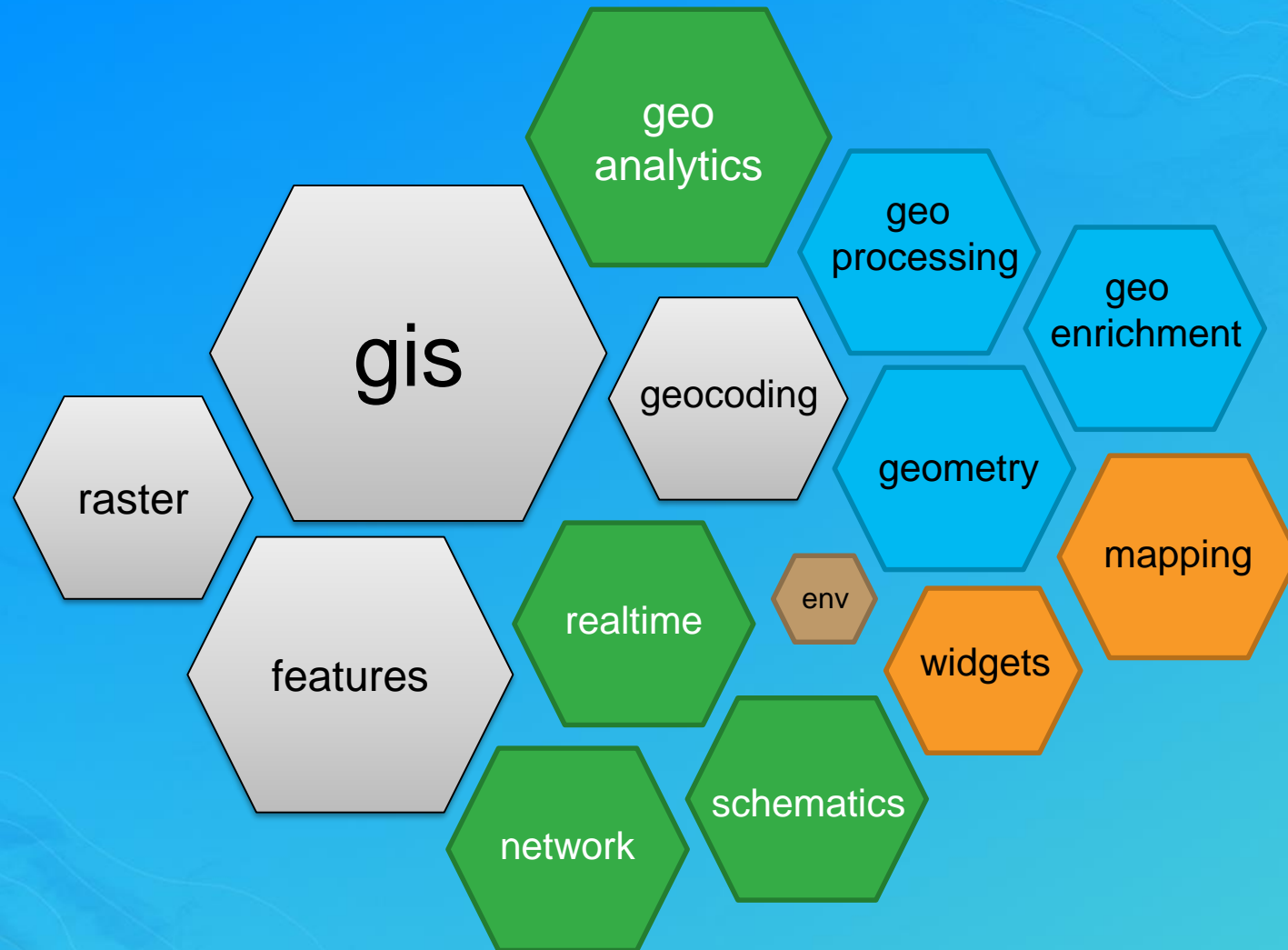




Demo

Geocoding Module

API Overview

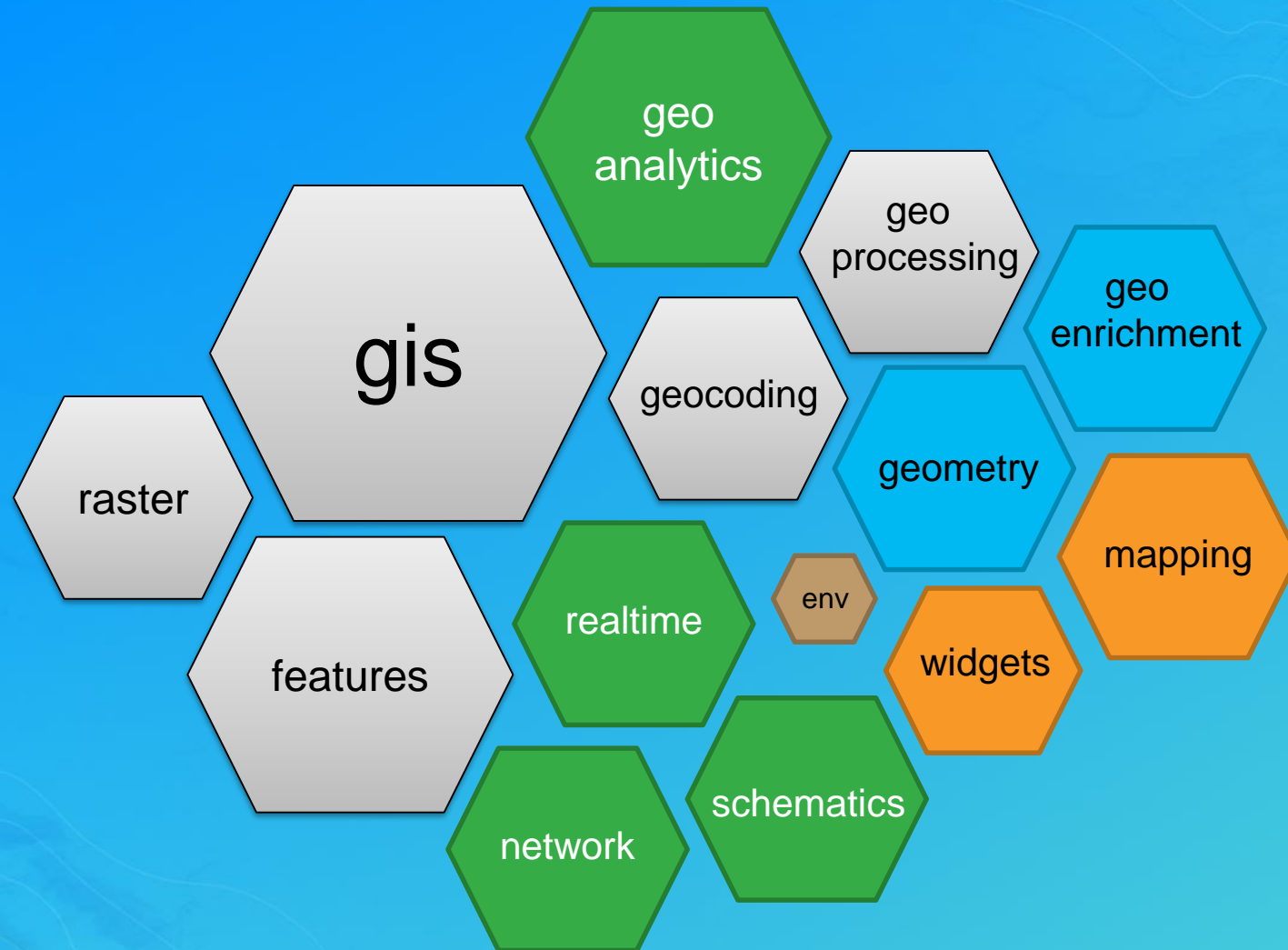




Demo

Geoprocessing

API Overview

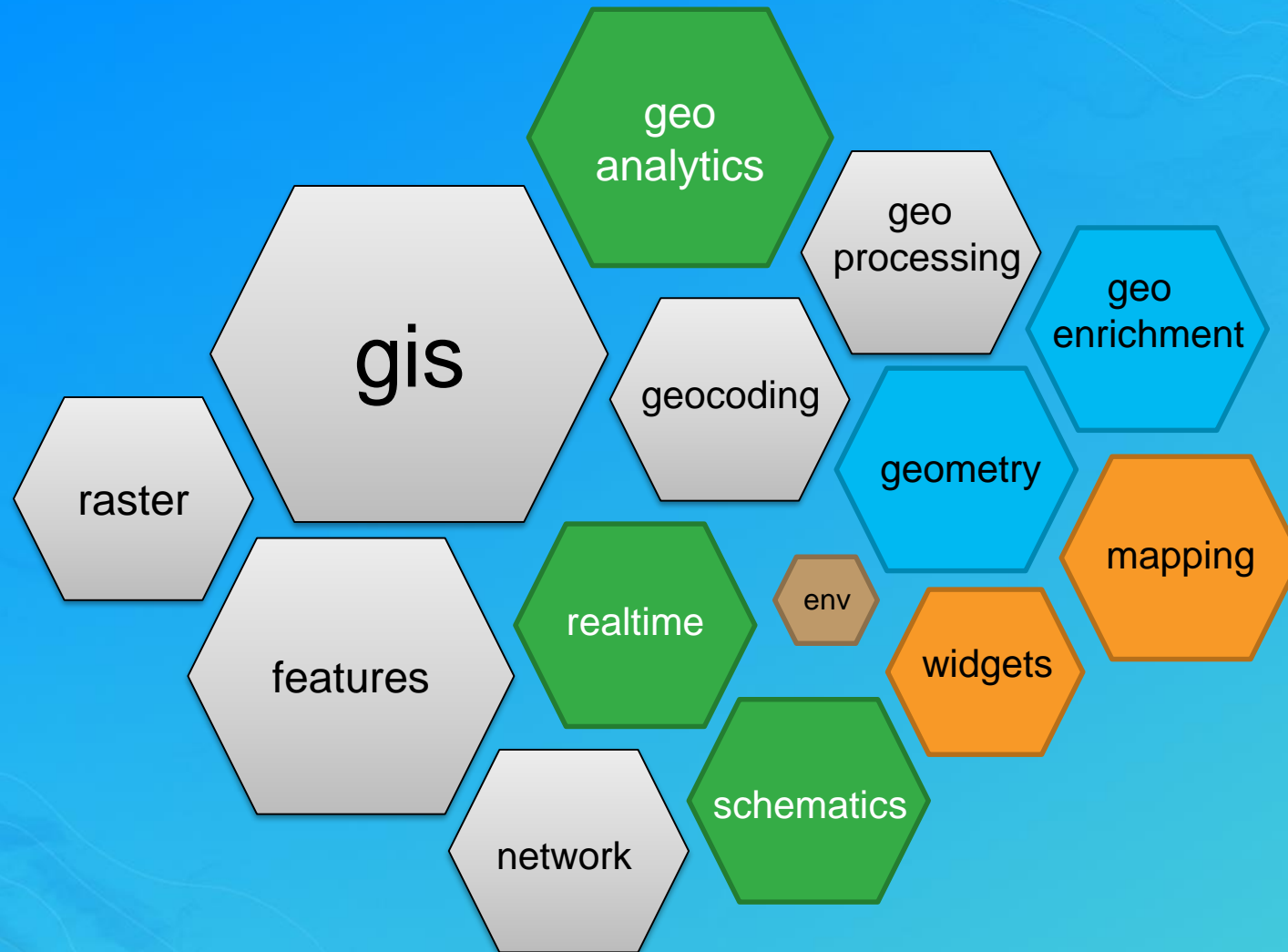




Demo

Network module

API Overview

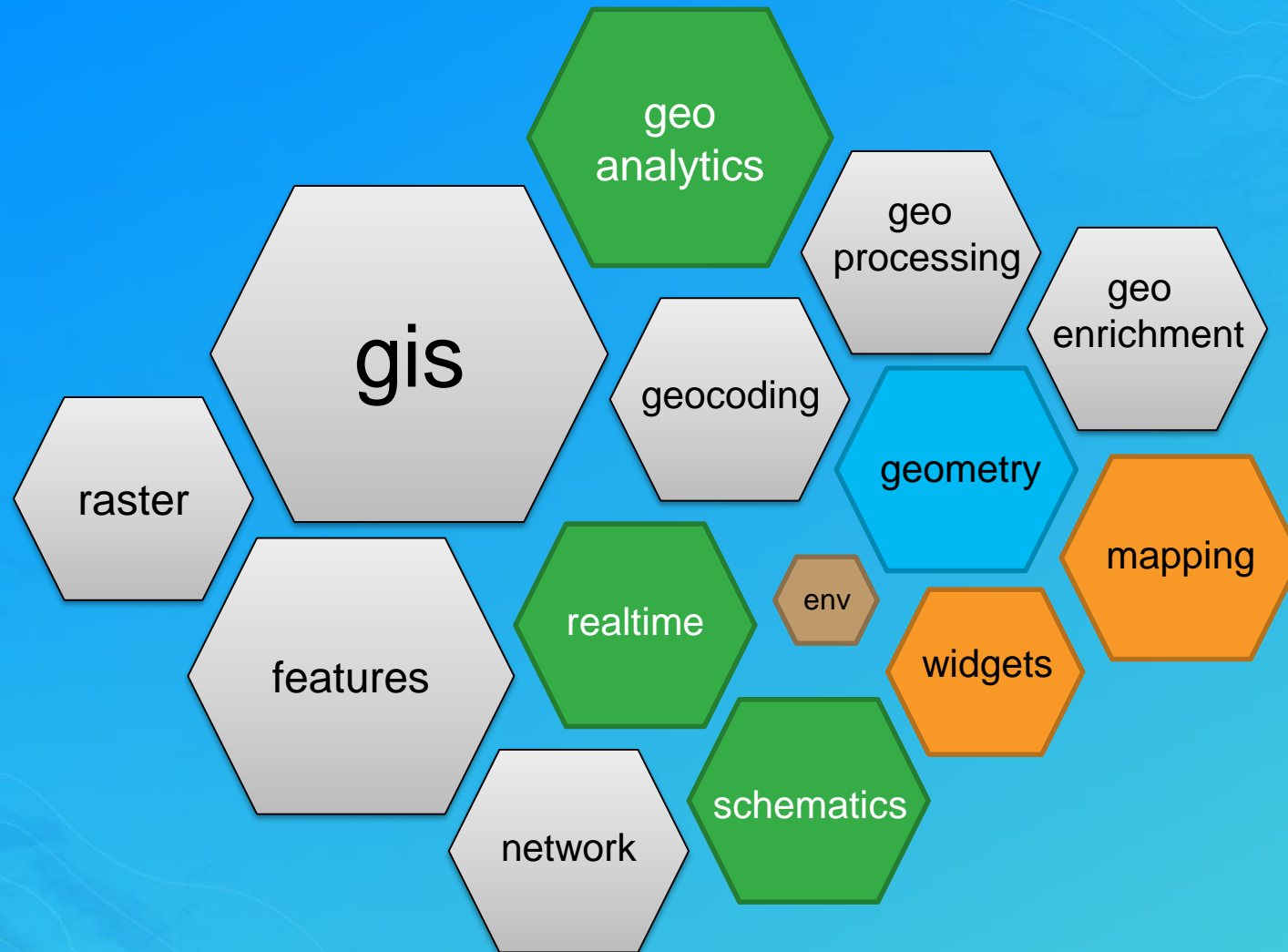




Demo

Geoenrichment

API Overview

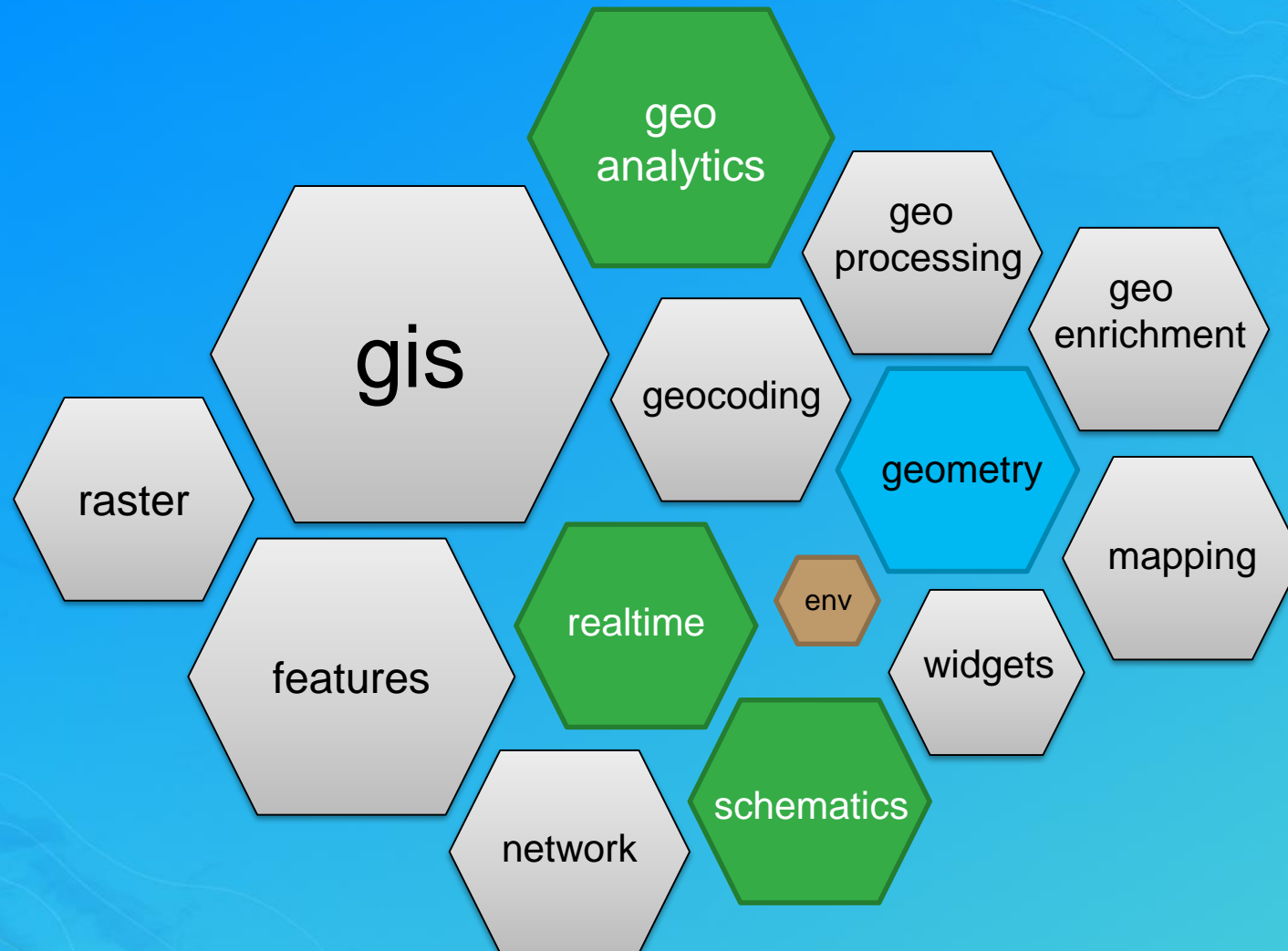




Demo

Mapping

API Overview



What's coming in 2018

Q1 (Dev Summit release)

- Pythonic renderers and symbology, pip install, global raster functions

Q2 (UC release)

- 3D widget

Q3 (Dev Summit Europe release)

- Realtime and IoT

Q4 (December release)

- Utility networks, Machine learning, Local Geoprocessing capabilities

Q&A

Please submit your feedback!

Title	Date & Time	Room	Repeat Date & Time	Repeat Room
ArcGIS API for Python: Administering Your Web GIS	Tuesday Mar. 6 5:30 – 6:30 pm	Primrose B	Thursday Mar. 8 5:30 – 6:30 pm	Primrose B
ArcGIS API for Python: Introduction to Scripting Your Web GIS	Tuesday Mar. 6 1:00 – 2:00 pm	Primrose B	Thursday Mar. 8 9:00 – 10:00 am	Primrose B
ArcGIS API for Python for Analysts and Data Scientists	Thursday Mar. 8 4:00 – 5:00 pm	Mesquite G-H	Friday Mar. 9 10:00 – 11:00 am	Mesquite C
ArcGIS API for Python: Advanced Scripting	Wednesday Mar. 7 2:30 – 3:30 pm	Catalina/Madera	Friday Mar. 9 1:00 – 2:00 pm	Mesquite B
ArcGIS API for Python: Mapping, Visualization, and Analysis	Thursday Mar. 8 2:30 – 3:30 pm	Catalina/Madera		
ArcGIS API for Python: Cloning your GIS	Wednesday Mar. 7 11:00 – 11:30 am	Demo Theatre 3: Oasis 1-2		
ArcGIS Online: Using the Python API for Transportation Network Analysis	Thursday Mar. 8 10:30 – 11:30 am	Santa Rosa		
ArcGIS API for Python: ArcGIS in a Notebook	Tuesday Mar. 6 5:30 – 6:00 pm	Demo Theatre 3: Oasis 1-2		



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