

Tracking IP Addresses using ip-api and Python



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Module Introduction

**Device tracking linked with
hostnames and IP addresses**

**Use ip-api module and its free
lookup service**



Overview



- **IP-API module review**
- **Concepts Demonstration – IP-API**



An IP address or hostname can
be tracked by utilizing ipapi



Can lookup the autonomous system number

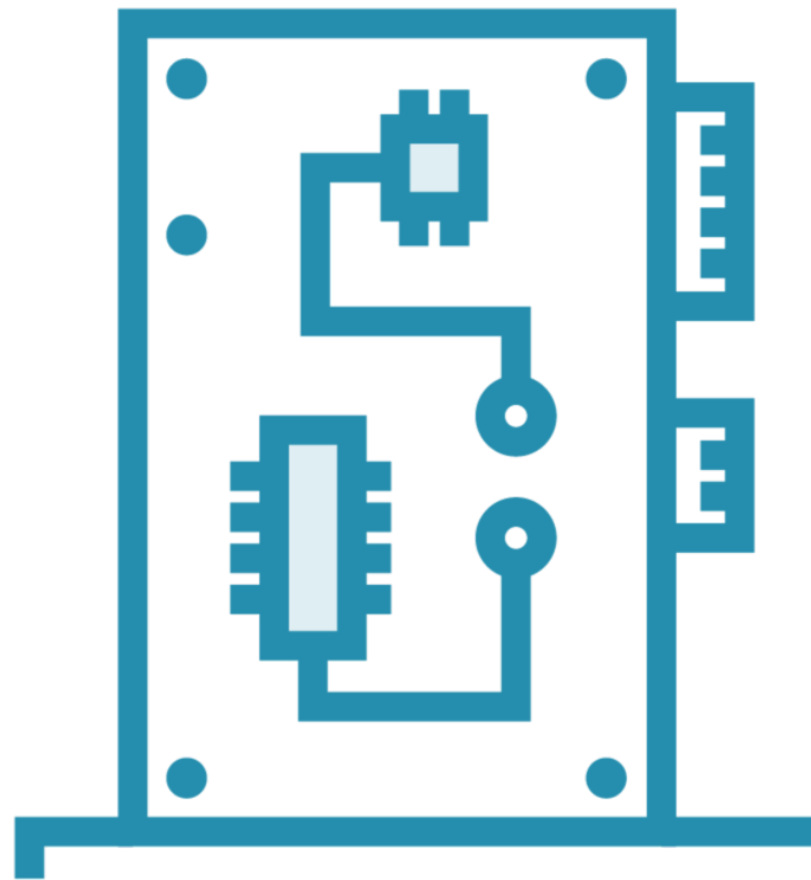
Can also lookup the owner

Utilizing shadow server services

Free ASN information lookup



Python Modules



Need to install appropriate modules

- **ipapi module – IP lookups**
- **Socket module – hostname lookups**
- **ipaddress module – validity of IP address**
- **Requests module – autonomous system lookups**
- **Others include: webbrowser, pprint, sys, and time**

Install with `python -m pip install` command



Let's bring all of this together
to obtain the wanted
information and display it



Demo



Begin with IP-API module

Perform additional ASN lookup

Show location plotting with Google Maps



Summary



- **IP-API module review**
- **Concepts Demonstration – IP-API**

