API Reading Plan (Offline)

API Prep Reading Plan (Offline, Standard Library Only)

1. Python Standard Library by Example (Doug Hellmann)

Highly recommended. Focus on these modules:

- urllib.request: Sending GET, POST
- urllib.parse: Encoding URL params, building URLs
- json: Encoding/decoding JSON
- xml.etree.ElementTree: Parsing XML from API responses
- http.server: Simulating local server (great for practice)

Offline note: If you have this book locally (PDF/epub), jump to relevant chapters. Otherwise, reference Pythons built-in help() in the shell.

2. Foundations of Python Network Programming (Brandon Rhodes)

Great for understanding how HTTP really works.

Focus on:

- Chapter 2: HTTP by Hand (covers urllib and raw HTTP)
- Chapter 5: Web Services (REST and XML/JSON APIs)
- Chapter 6: Server-Side HTTP (useful for mock APIs with http.server)

3. Official Python Docs (if online access returns)

---

https://docs.python.org/3/library/urllib.request.html

https://docs.python.org/3/library/http.server.html

Offline Tip: Use `pydoc <module>` inside your VM for built-in help.

Suggested Reading Order (12 hours total):

- Read urllib.request and urllib.parse (Standard Library by Example)

API Reading Plan (Offline)

- Try HTTP by Hand from Network Programming book
- Review examples of GET and POST using only standard library
- Read JSON + XML parsing sections
- Preview http.server so you can simulate your own endpoints

End of Reading Plan.