HTTP, JSON, Auth

- HTTP verbs & status codes

- Headers & auth

- JSON payloads

Verbs & Semantics

- GET — retrieve
- POST — create
- PUT/PATCH — replace/modify
- DELETE — remove

Status Codes

- 2xx success, 4xx client, 5xx server

- 200/201/204 common

- 429 rate limit

Headers

- `Accept: application/yang-data+json` (RESTCONF)

- `Content-Type: application/json`

- `X-HTTP-Method-Override` for dry-run patterns

Auth

- Basic auth for labs

- Tokens (bearer) in real-world

- Never commit secrets

Clients

- `requests` (sync)
- `httpx` (sync used here)
- Timeouts & retries mandatory