

# CETEC ERP

## **Class Three B: APIs**

*Interfacing with Cetec*

# Class Three B: APIs

## APIs

What are they?

What are they used for?

Types of APIs

Cetec Specific

Pricing

Demo

# What is an API

Application Programming Interface

Bored yet?

# API Testing Tools

Postman - nice UI - easy to use, export direct commands in some languages

cURL - command line standard

wGET - works for some requests

# REST REpresentational State Transfer

- **Client-server**
  - separation of concerns
- **Stateless**
  - no context
- **Cacheable**
  - Allows the client to store the response for subsequent requests

# REST

- **Uniform interface**

- Keep object interfaces & their children(s) interfaces consistent

- **Layered System**

- Allows an architecture to be composed of hierarchical layers where sub

- **Code on demand (optional)**

- REST allows client functionality to be extended by downloading and executing code

# REST

GET, HEAD, POST, PUT, PATCH, DELETE, CONNECT, OPTIONS and TRACE.

We use GET, POST, PUT, PATCH, DELETE, and sometimes OPTIONS

# Demo Some APIs in Postman

<http://testing.localhost:8080/apioverview>

# PRICING

Cetec does charge for API use above a threshold

We charge in tiers. It costs us processing time if you hit the API's heavily (ecommerce).

# PRICING

Free (< 1,000 requests per month) - \$0.00/month flat.

Light (< 10,000 requests per month) - \$300/month flat.

Moderate (< 100,000 requests per month) - \$500/month flat.

Heavy - contact us for a quote.

# Future

## Go

GET <https://mydomain.cetecerp.com/goapis/api/v1/parts/list>

# Questions? Thoughts?

# Class APIs

## Resources

[https://cetecerp.com/blog/Viper\\_Cables.html](https://cetecerp.com/blog/Viper_Cables.html)

<https://cetecerp.com/resources/services/expert-services/api.html>

<https://yourcomain.cetecerp.com/apioverview>

<https://restfulapi.net/>

<https://www.getpostman.com/>