

1. What does REST stand for and what are some of the key concepts that identify it?

REST stands for Representational State Transfer (REST). These APIs can be said to be uniform across a system, client and server sides are independent, they are stateless and store no data from the request, info should be cached to improve response time and should be layered.

2. Look up 3 different public web APIs online and describe 3 endpoints from each. In your description include the URI/endpoint, the HTTP verb methods that can be sent, and a description of what happens when each verb method is sent.

<https://pokeapi.co/>

pokemon/pikachu – returns type, Pokedex number, species, pictures and other random facts.

<https://api.chucknorris.io/>

jokes/random returns a random chuck Norris joke and the id
you can also request by category or text search

<https://dog.ceo/dog-api/>

breeds/image/random – gets random picture of a dog

you can also do it by breed

<https://www.ibm.com/topics/rest-apis>