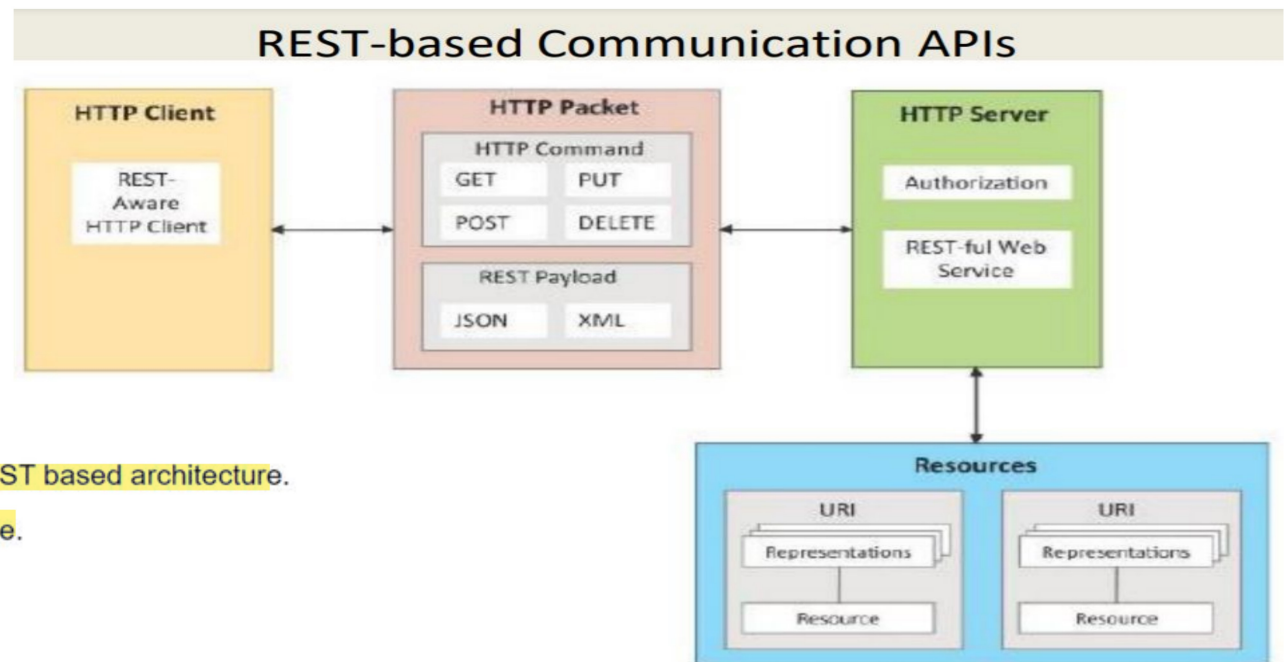


What is REST architecture?

REST stands for **REpresentational State Transfer**. REST is **web standards based architecture** and **uses HTTP Protocol**. It revolves around resource where every component is a resource and a resource is accessed by a common interface using HTTP standard methods. REST was first introduced by Roy Fielding in 2000.

In REST architecture, a REST Server simply provides access to resources and REST client accesses and modifies the resources. Here **each resource** is identified by **URIs/ global IDs**. REST uses **various representation** to represent a **resource** like text, JSON, XML. JSON is the most popular one.



HTTP methods wrt resource

Following four **HTTP methods** are commonly used in REST based architecture.

- **GET** – Provides a **read only access** to a resource.
- **POST** – Used to **create a new resource**.
- **DELETE** – Used to **remove a resource**.
- **PUT** – Used to **update a existing resource** or **create a new resource**.