

## Summary API

REST APIs continue to be the most widely used API architecture. Use standard HTTP methods and often return data in JSON format.

### Protocol:

#### HTTP/HTTPS APIs

- **Protocol:** HTTP and HTTPS => the secure version of HTTP are the most common protocols used for web APIs. APIs built on top of HTTP use standard methods like GET, POST, PUT, DELETE, etc., to interact with resources over the web.
- **Use :** RESTful APIs are built over HTTP/HTTPS protocols, where requests and responses are communicated in a stateless manner.

#### FTP/SFTP APIs

- **Protocol:** FTP and SFTP => Secure File Transfer Protocol are protocols used for file transfers over a network. These APIs are designed to manage file uploads, downloads, and server interactions.
- **Use :** APIs for FTP/SFTP are typically used in applications requiring secure, efficient file transfer

**URL:** Specifies the full path to the resource, including the protocol, domain, and path.

EX: <https://www.example.com/products/123>

**Protocol-Domain Name-IF THERE (Port )-Path**

**HTTP methods** are used to specify the action to be performed on a resource when making a request to a server

**GET: Retrieve data from the server**

**POST: Send data to the server to create or submit a new resource**

**PUT: Update or replace an existing resource on the server**

**PATCH: Partially update a resource on the server**

**DELETE: Remove a resource from the server**