# Angular HttpClient

* Web pages get data from remote services(API) and present it on the page(component).
* These pages communicate with server-side API using the HTTP protocol.
* Browsers traditionally support XMLHttpRequests (from the days of Ajax).
* Angular applications need an easy way to interact with these services(APIs) over HTTP for data retrieval and updation. For this purpose, Angular provides the HttpClient service.

# What is Angular HttpClient?

Angular HttpClient makes use of the XMLHttpRequest interface that supports both modern and legacy browsers.

Angular communicate REST APIs using HttpClient.

HttpClient will help us fetch external data, post to it through REST API

The HttpClient is available from the **@angular/common/http** package.

# Why Angular HttpClient?

The HttpClient built-in service provides many advantages to Angular developers:

* HttpClient makes it easy to send and process HTTP requests and responses,
* HttpClient has many built-in features for implementing test units,
* HttpClient makes use of RxJS Observables for handling asynchronous operations.
* - Easy error handling,
* - Retrying failed HTTP requests, etc.

# Setting up Angular HttpClient

Next, open the src/app/app.module.ts file then import HttpClientModule and add it to the imports array:

// [...]

import { HttpClientModule } from '@angular/common/http';

@NgModule({

declarations: [AppComponent],

entryComponents: [],

imports: [

// [...]

HttpClientModule,

],

// [...]

})

export class AppModule {}

### Injecting HttpClient in The Angular Service

Next, open the src/app/api.service.ts file and inject HttpClient via the service constructor:

import { Injectable } from '@angular/core';

import { HttpClient } from '@angular/common/http';

@Injectable({

providedIn: 'root'

})

export class ApiService {

constructor(private httpClient: HttpClient) { }

}