

# Angular *Interceptors*

**Write once, affect every  
HTTP request**

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# What Is an Interceptor?

Angular interceptors let you intercept every HTTP request or response globally.

Use them to:

- Add Auth Tokens
- Catch Errors
- Log Traffic
- Transform Data

They're like middleware — but for your HTTP client.

# How to Create One

```
@Injectable()
export class MyInterceptor implements HttpInterceptor {
  intercept(req, next) {
    const cloned = req.clone({
      setHeaders: { 'X-Custom': '123' }
    });
    return next.handle(cloned);
  }
}
```

Just clone the request, tweak it, and pass it on!

# How to Register It

Register once in your app module:

```
providers: [{  
    provide: HTTP_INTERCEPTORS,  
    useClass: MyInterceptor,  
    multi: true  
}]
```

*multi: true* lets you chain multiple interceptors together.

# Pro Tips for Using Interceptors

- Keep logic clean — offload to services
- Use for spinners, retry logic, token refresh
- Use multiple interceptors for separation of concerns
- Avoid heavy logic inside interceptors