# Application Services

## API Gateway

* Managed web service which enables developers to publish, monitor and secure APIs at any scale.
* Create an API that acts as “front door” for applications to access data, business logic or any functionality from your backend services
* **API Caching** – Cache your endpoint’s responses. Reduces load on endpoints based on duration of TTLs
* Low cost & Efficient. Scales automatically
* Throttle requests as required to prevent attacks.
* Log requests to CloudWatch.
* For application built on top of **multiple domains**, **you need to enable CORS on API Gateway**.
* Same Origin Policy: Web browser permits scripts contained in a first web page to access data in a second web page if both have the same origin
* CORS relaxes the requirement
* Allows restricted resources on a web page to be requested from another domain
* *Error: Origin policy cannot be read at the remote resource? – Enable CORS*