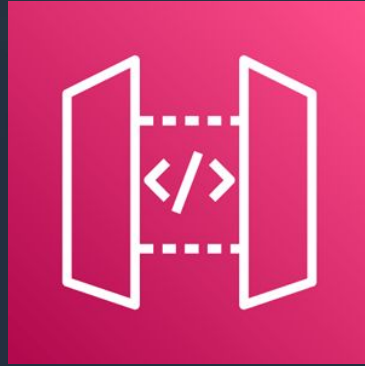




# aws

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API Gateway

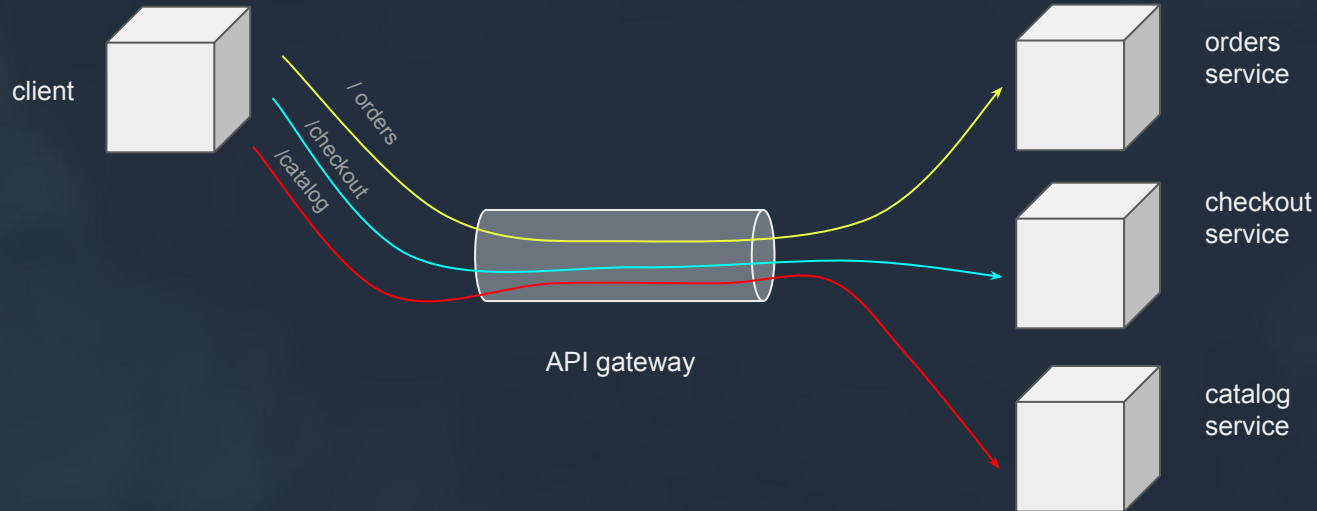
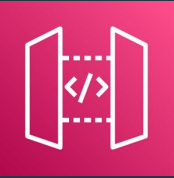
aws DevOps 90%



# Amazon API Gateway

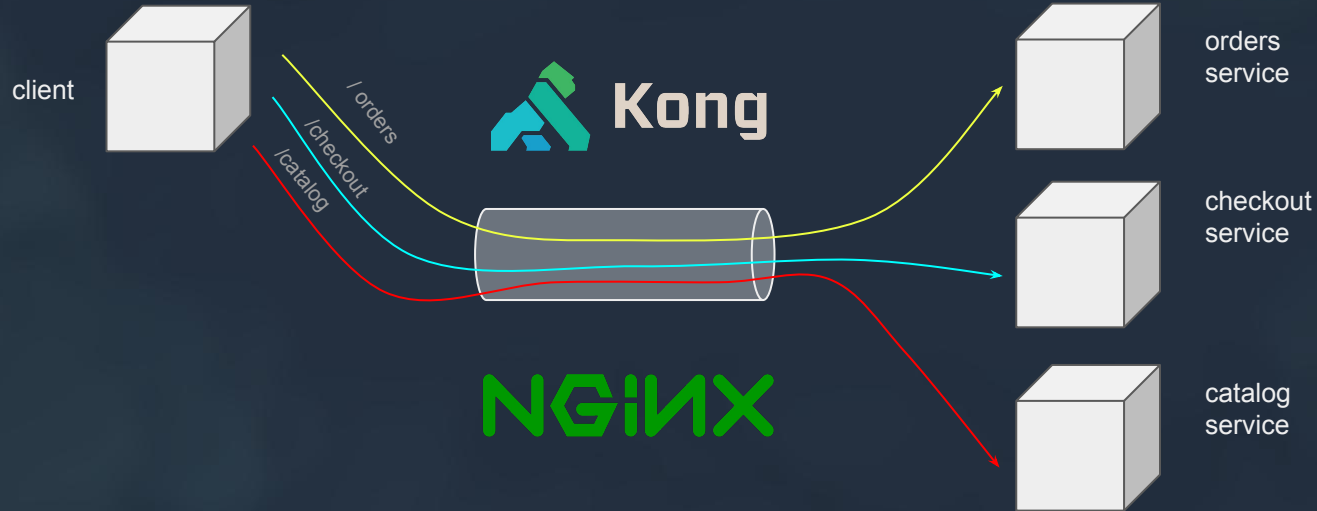
create, maintain, and secure APIs at  
any scale

## API Gateway



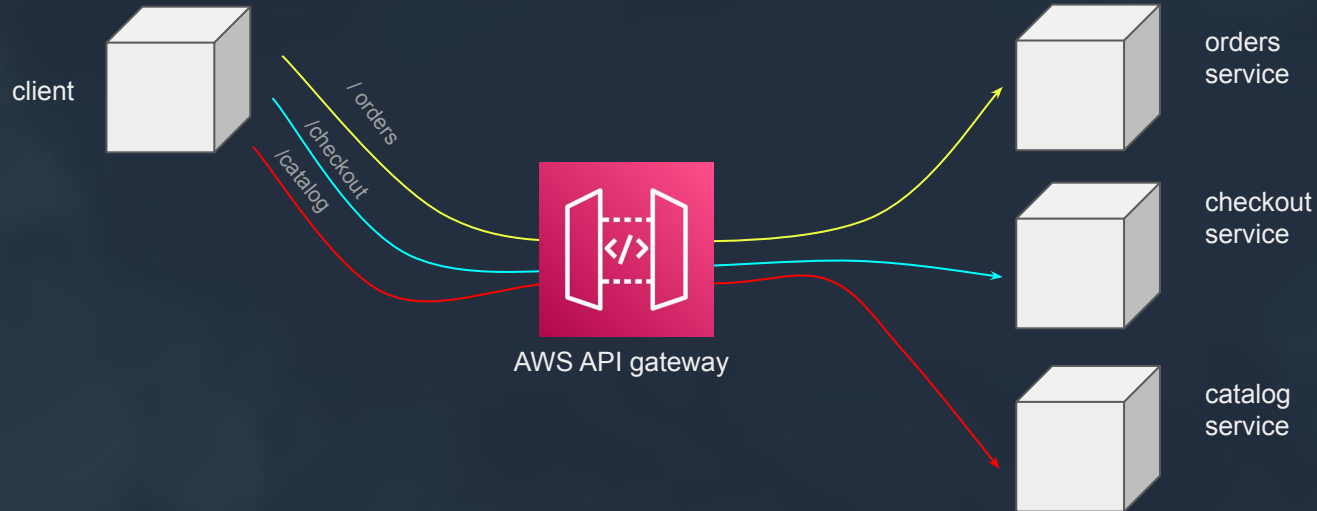
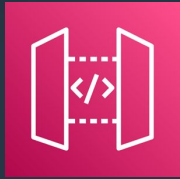
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## API Gateway



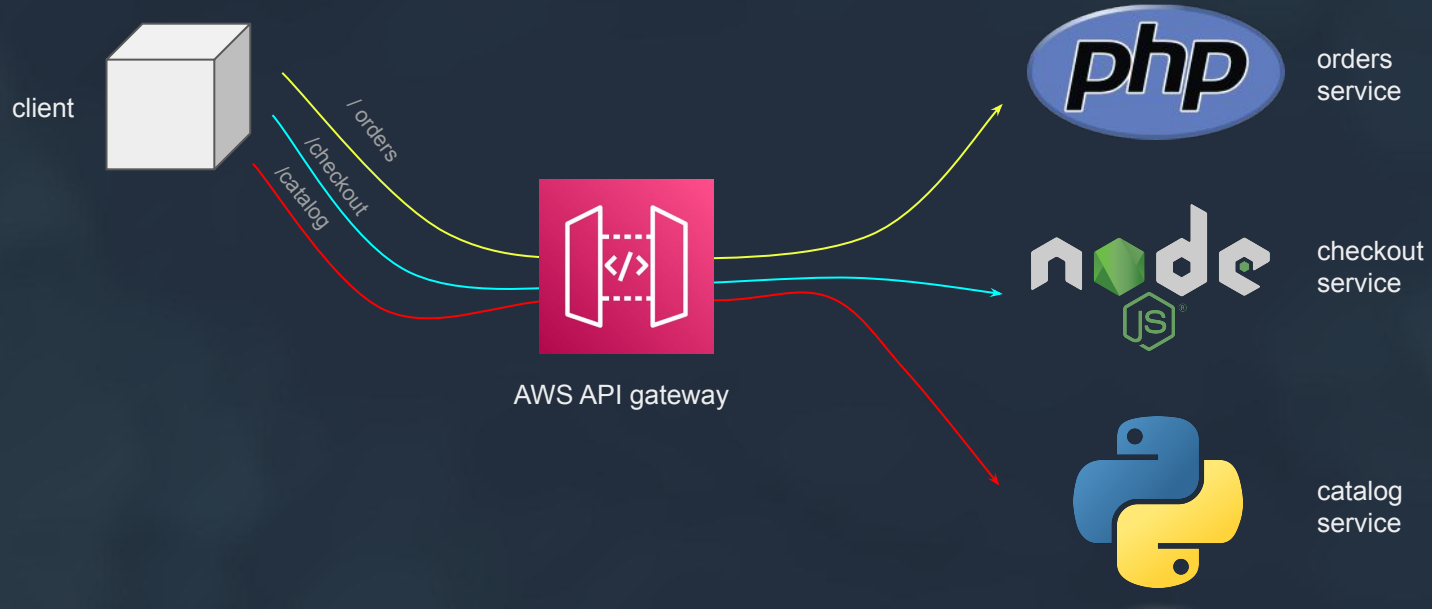
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## API Gateway



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## API Gateway



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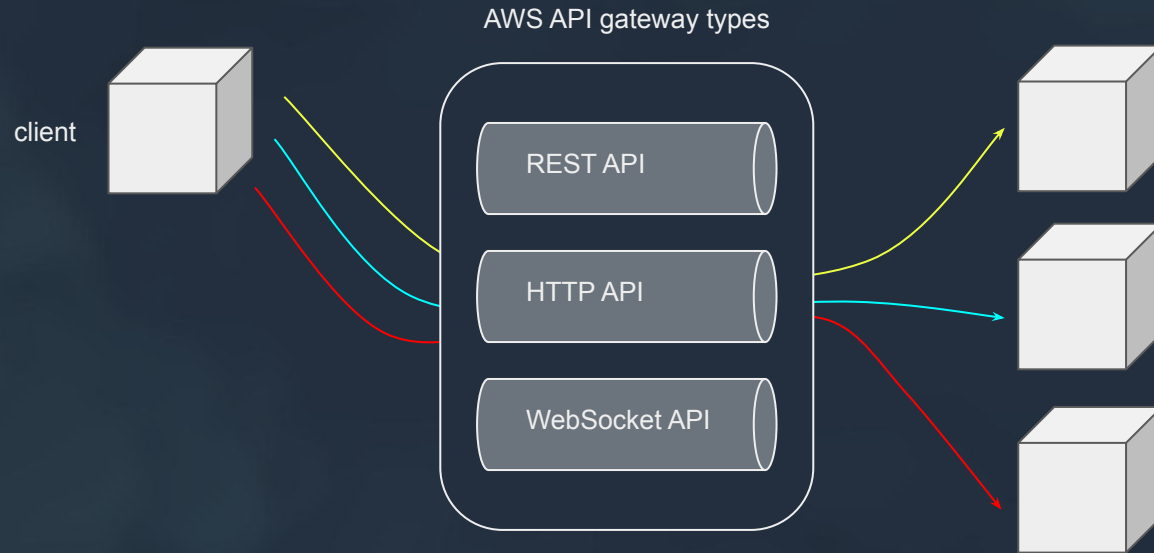
## API Gateway



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## API Gateway

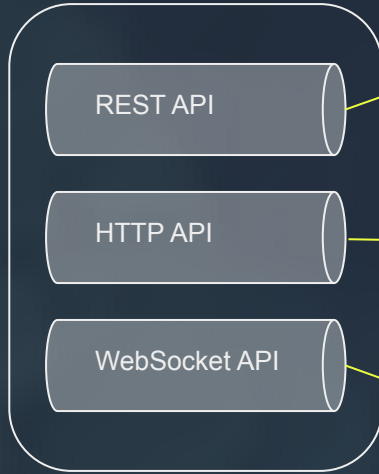


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# API Gateway



## AWS API gateway types



Resource based.

You Create resource, then handle all proper HTTP Methods for this resource (GET, POST, PUT, PATCH, and DELETE)

Normal HTTP routing.

You create routes with specific HTTP Method, then handle this route.

WebSocket connections.

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## API Gateway



### REST API example

resource name is "orders"

url: [www.example.com/orders](http://www.example.com/orders)

we will provide APIs for doing the following:

- create order
- read order data
- delete order

in this case we need to handle  
http traffic for these http methods:

- POST → POST /orders HTTP/1.1  
Host: www.example.com  
...
- GET → GET /orders/123 HTTP/1.1  
Host: www.example.com  
...
- DELETE → DELETE /orders/123 HTTP/1.1  
Host: www.example.com  
...

our application

function create\_order();

function get\_order();

function delete\_order();

# API Gateway



## HTTP API example

url: [www.example.com/orders](http://www.example.com/orders)

we will provide APIs for doing the following:

- create order
- read order data
- delete order

We will handle POST method only  
And define the action in the request body

- POST

POST /orders HTTP/1.1  
Host: www.example.com  
Content-Type:  
application/json  
Content-Length: 80

```
{  
  "action": "create",  
  "Id": 12345,  
  "Customer": "John",  
  "Quantity": 1,  
  "Price": 10.00  
}
```

our application

```
function handle_order();  
    ↓  
function create_order();  
  
function get_order();  
  
function delete_order();
```

# API Gateway



## HTTP API example

url: [www.example.com/orders](http://www.example.com/orders)

we will provide APIs for doing the following:

- create order
- read order data
- delete order

We will handle POST method only  
And define the action in the request body

- POST

POST /orders HTTP/1.1  
Host: www.example.com  
Content-Type:  
application/json  
Content-Length: 80

```
{  
  "action": "delete",  
  "Id": 12345  
}
```

our application

```
function handle_order();  
  
function create_order();  
  
function get_order();  
  
function delete_order();
```