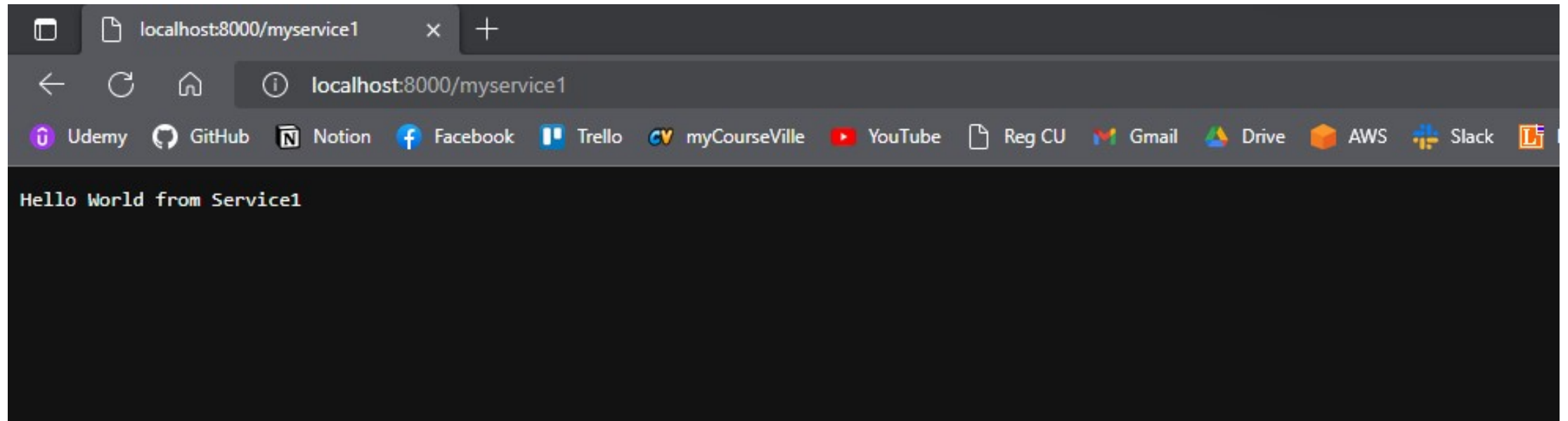


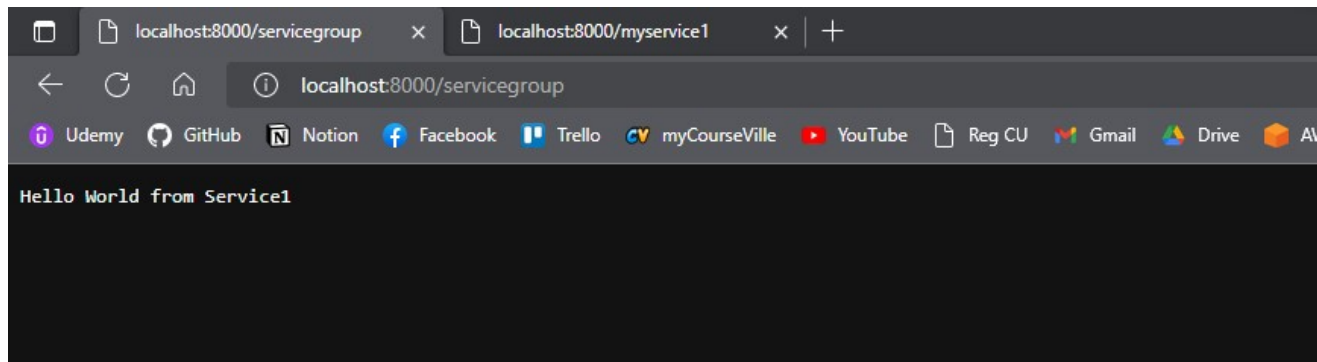
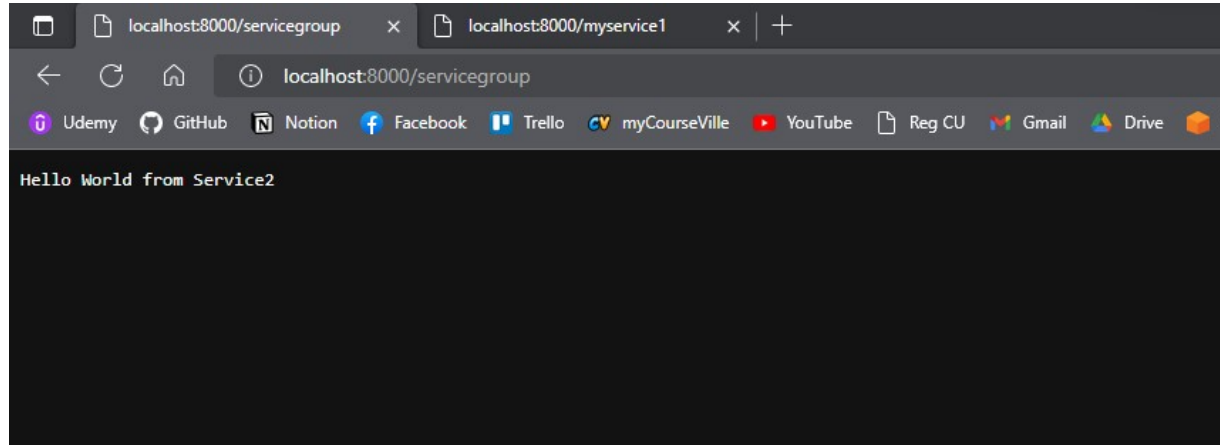
KONG - External API Gateway Exercise

6231333521 Nopdanai Sayamnet

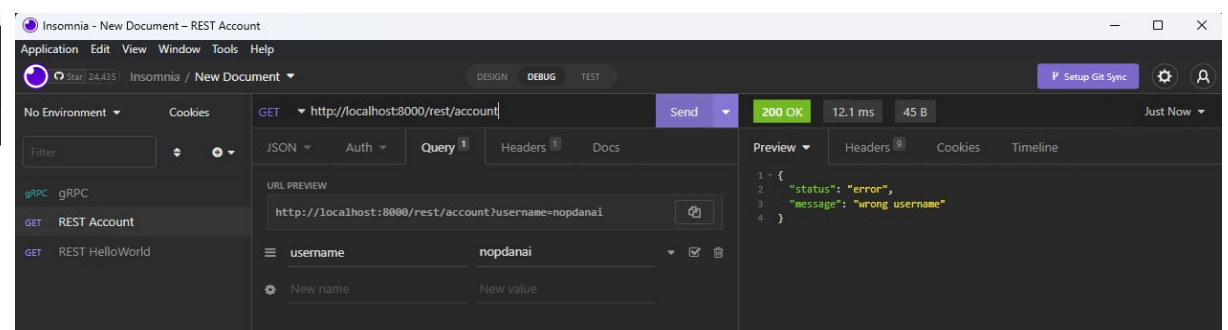
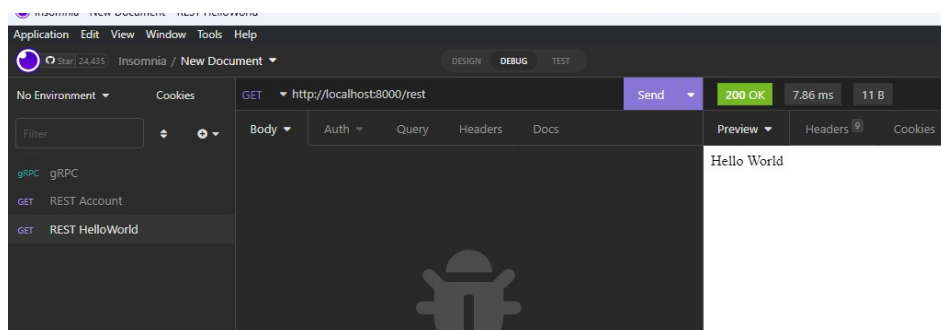
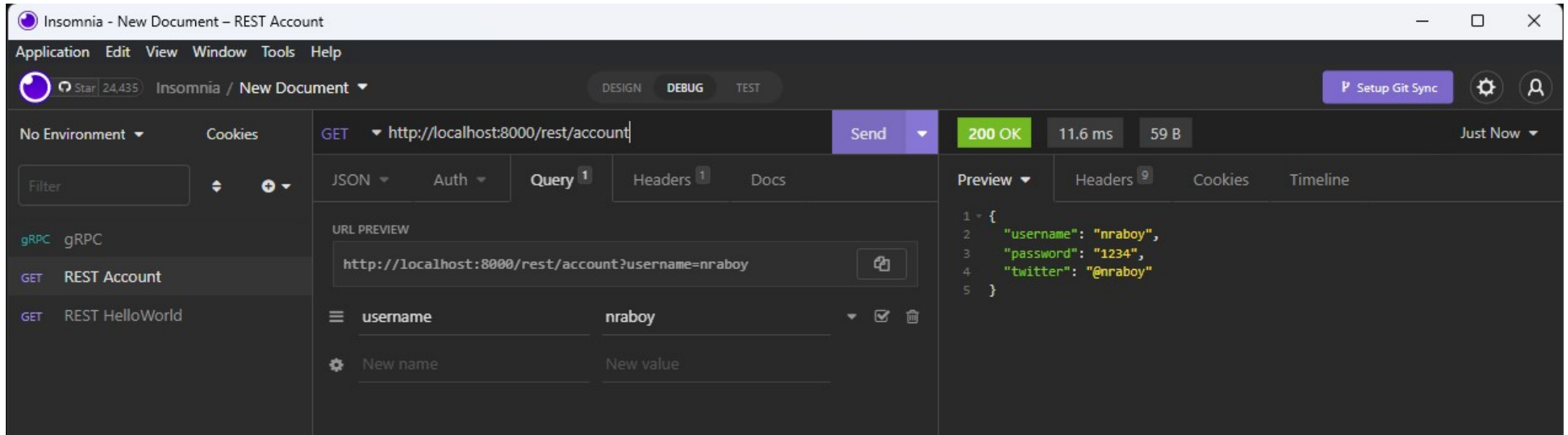
HTTP Service 1



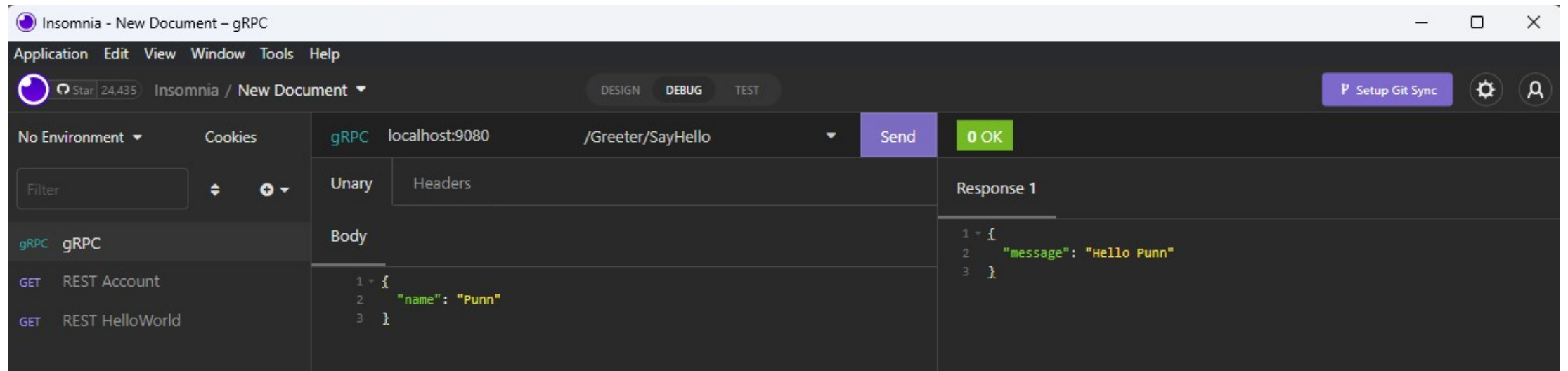
Service Group



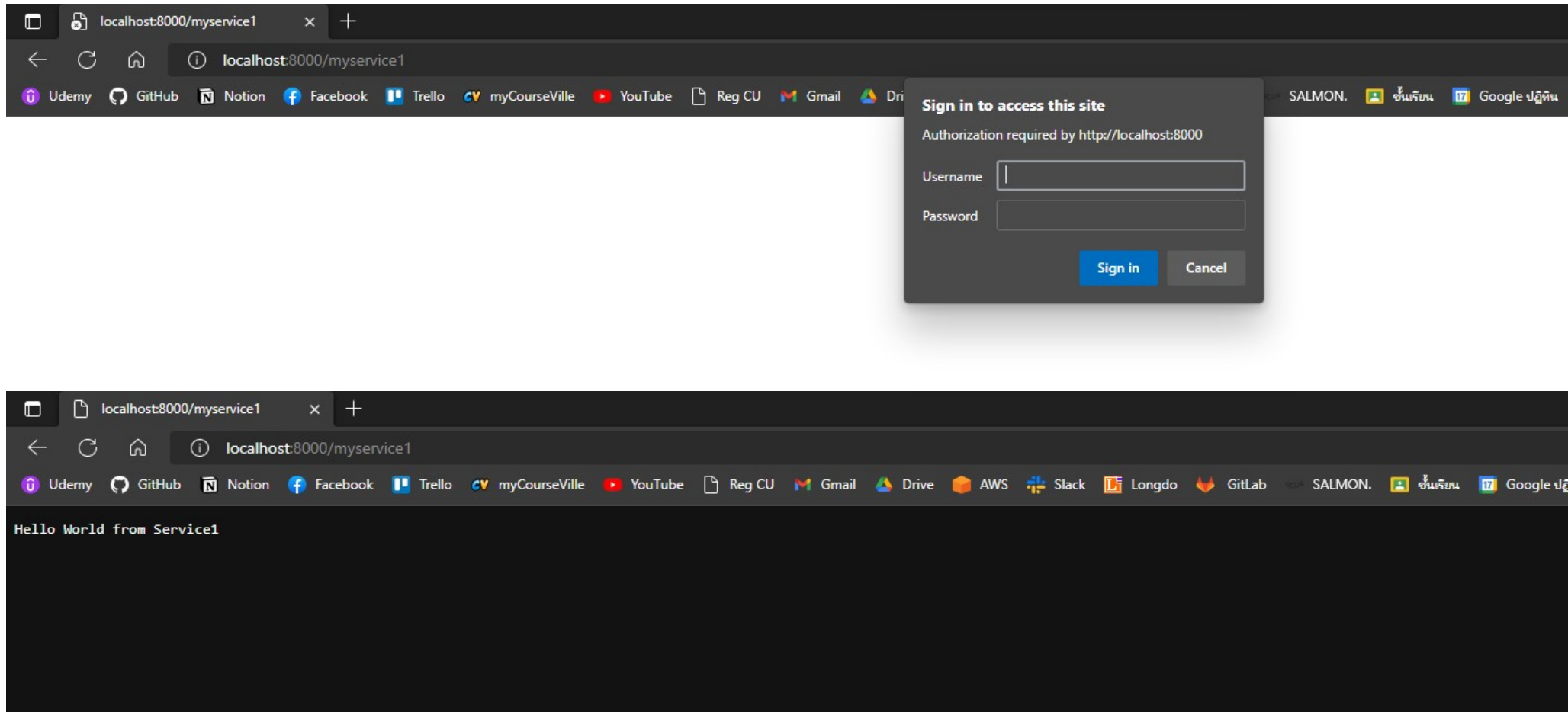
REST Service



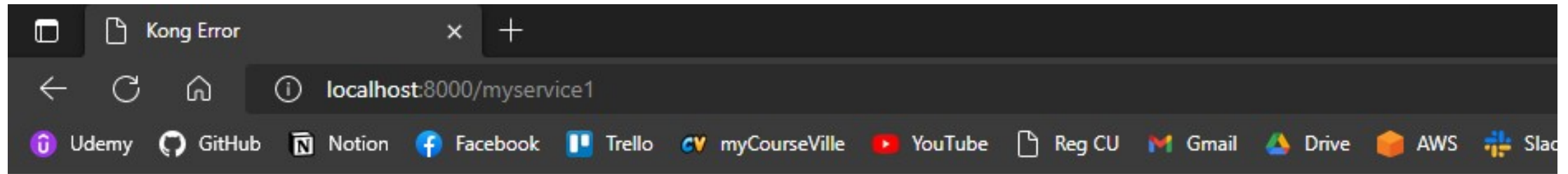
gRPC Service



Authentication – Myservice1 (Basic Auth)



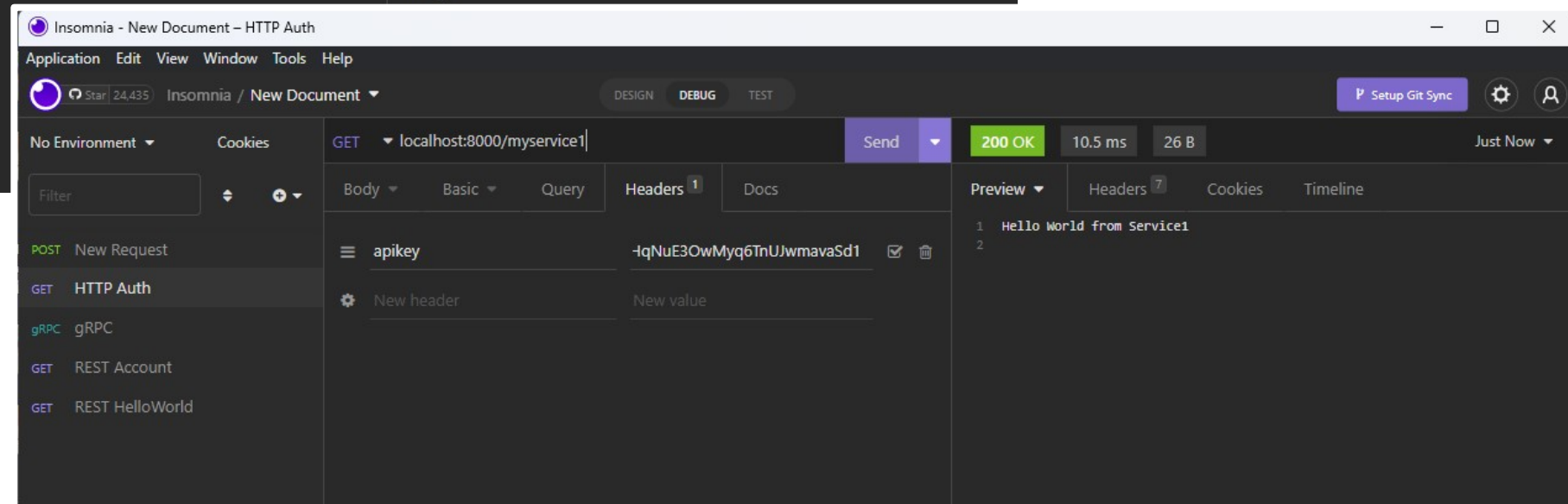
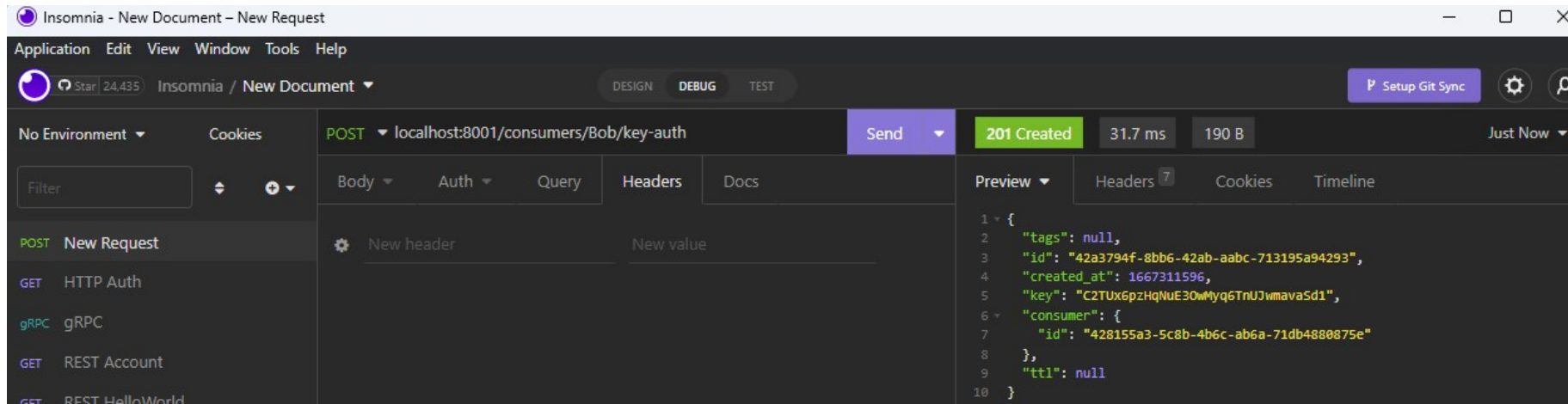
Authentication – Myservice1 (Key Auth)



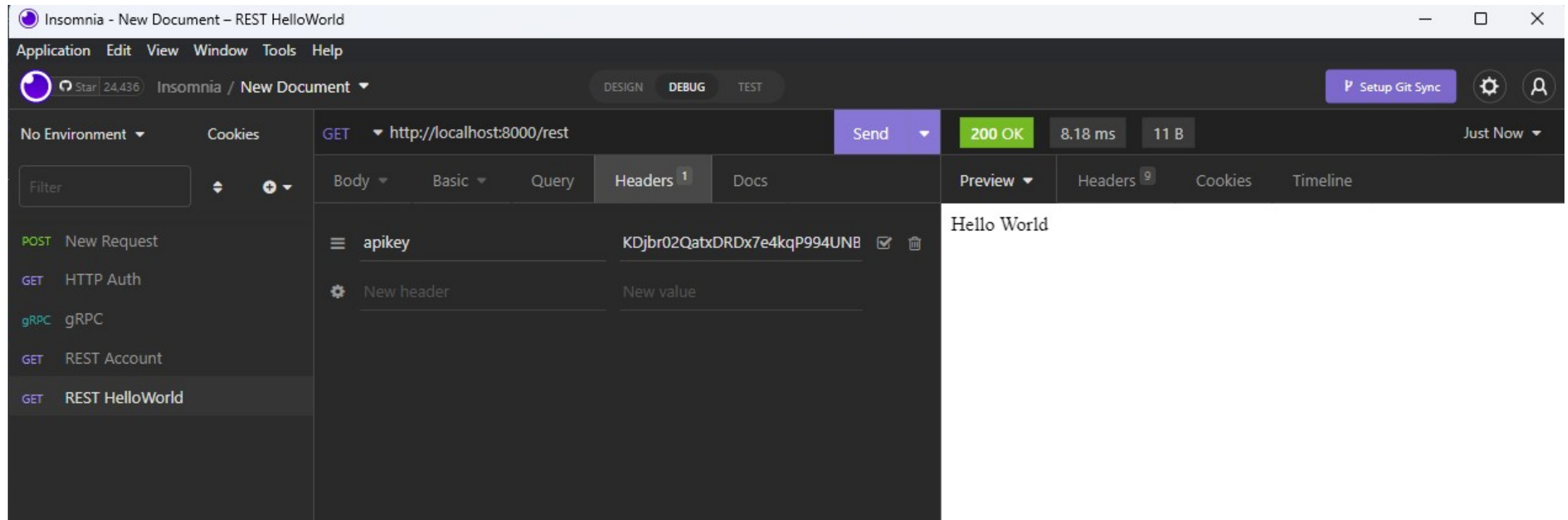
Kong Error

No API key found in request.

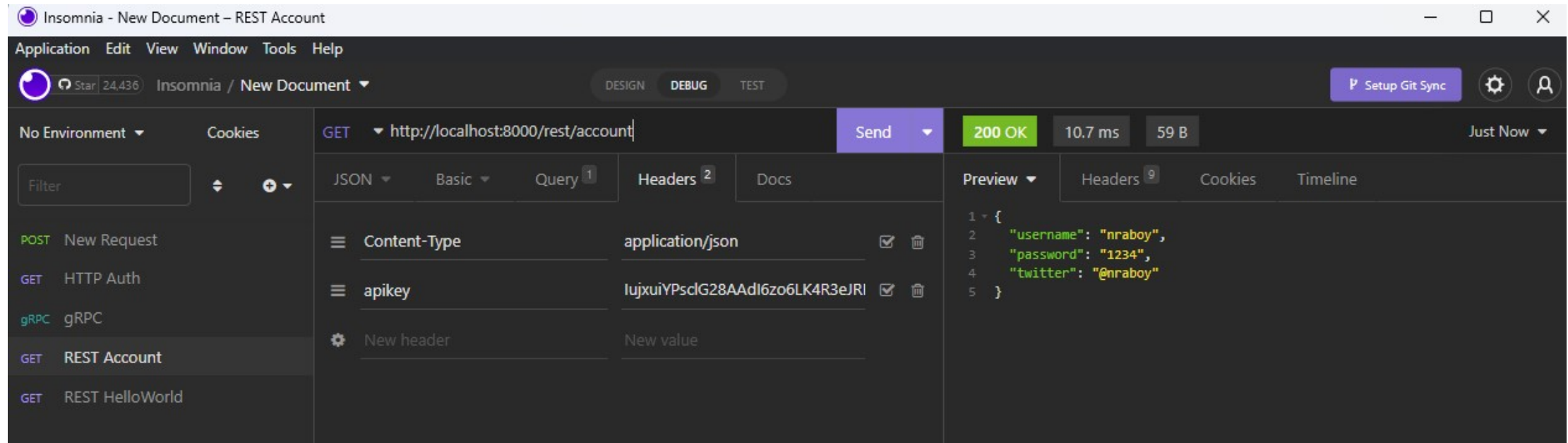
Authentication – Myservice1 (Insomnia)



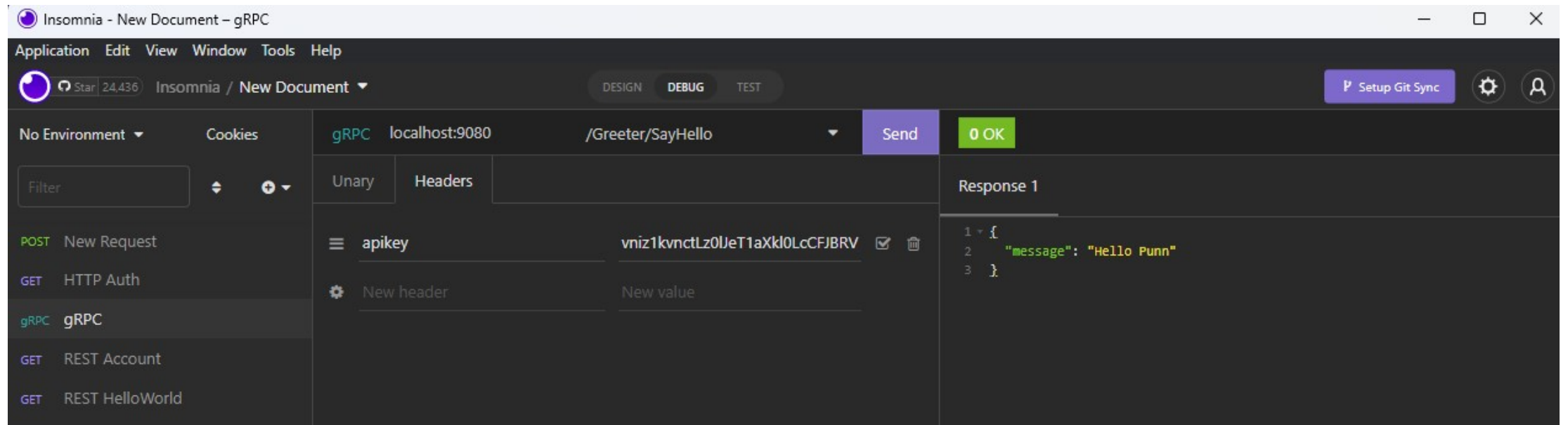
Authentication – REST Service (Insomnia)



Authentication – REST Service (Insomnia)



Authentication – gRPC Service (Insomnia)



Konga - Services

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Services

Service entities, as the name implies, are abstractions of each of your own upstream services. Examples of Services would be a data transformation microservice, a billing API, etc.

+ ADD NEW SERVICE

search...Results : 25

NAME	HOST	TAGS	CREATED	
gRPC_Service	192.168.1.38		Nov 1, 2022	DELETE
REST_Service	192.168.1.38		Nov 1, 2022	DELETE
HTTP_Service_Group	Upstream		Nov 1, 2022	DELETE
HTTP_Service1	192.168.1.38		Nov 1, 2022	DELETE
exampleservice1	mockbin.org		Nov 1, 2022	DELETE

Konga – HTTP_Service1

Service HTTP_Service1

[services](#) / [show](#)

Service Details

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Eligible consumers

beta

Service details

Name

HTTP_Service1

(optional)

The service name.

Description

(optional)

An optional service description.

Tags

(optional)

Optionally add tags to the service

Protocol

http

(semi-optional)

The protocol used to communicate with the upstream. It can be one of [http](#) or [https](#).

Host

192.168.1.38

(semi-optional)

The host of the upstream server.

Port

8081

(semi-optional)

The upstream server port. Defaults to [80](#).

Path

(optional)

The path to be used in requests to the upstream server.

Service HTTP_Service1

[services](#) / [show](#)

Service Details

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Eligible consumers

beta

Assigned plugins

+ ADD PLUGIN

search plugins...

	Name	Consumer	Created	
	key-auth	All consumers	Nov 1, 2022	DELETE
	basic-auth	All consumers	Nov 1, 2022	DELETE

Service HTTP_Service1

[services](#) / [show](#)

Service Details

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Plugins

Eligible consumers

beta

Routes

+ ADD ROUTE

search routes...

	Name / ID	Hosts	Paths	Protocols	Methods	Regex priority	Created
	HTTP_Service1_Route	-	/myservice1	http, https	-	0	Nov 1, 2022

Konga – HTTP_Service_Group

Service HTTP_Service_Group

[services](#) / [show](#)

Service Details

Routes

Plugins

Eligible consumers Beta

Service details

Name
(optional)

HTTP_Service_Group

The service name.

Description
(optional)

An optional service description.

Tags
(optional)

Optionally add tags to the service

Protocol
(semi-optional)

http

The protocol used to communicate with the upstream. It can be one of `http` or `https`.

Host
(semi-optional)

Upstream

The host of the upstream server.

Port
(semi-optional)

80

The upstream server port. Defaults to `80`.

Path
(optional)

The path to be used in requests to the upstream server. Empty by default.

Retries
(optional)

5

Service HTTP_Service_Group

[services](#) / [show](#)

Service Details

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Plugins

Eligible consumers Beta

Routes

+ ADD ROUTE

search routes...

Name / ID	Hosts	Paths	Protocols	Methods	Regex priority	Cre
HTTP_Service_Group_Routes	-	/servicegroup	http, https	-	0	Nov, 202

Upstreams

The upstream object represents a virtual hostname and can be used to loadbalance incoming requests over multiple services (targets). So for example an upstream named `service.v1.xyz` with an API object created with an `upstream_url=https://service.v1.xyz/some/path`. Requests for this API would be proxied to the targets defined within the upstream.

+ CREATE UPSTREAM

ALERT TRIGGERS 0

search...

Results: 25

NAME	TAGS	SLOTS	CREATED	
Upstream		1000	Nov 01 2022 @20:42	DETAILS DELETE

Konga – Rest Service

Service REST_Service

[services](#) / [show](#)

Service Details

Routes

Plugins

Eligible consumers beta

Service details

Name
(optional)

REST_Service

The service name.

Description
(optional)

An optional service description.

Tags
(optional)

Optionally add tags to the service

Protocol
(semi-optional)

http

The protocol used to communicate with the upstream. It can be one of `http` or `https`.

Host
(semi-optional)

192.168.1.38

The host of the upstream server.

Port
(semi-optional)

3000

The upstream server port. Defaults to `80`.

Path
(optional)

The path to be used in requests to the upstream server. Empty by default.

Service REST_Service

[services](#) / [show](#)

Service Details

Routes

Plugins

Eligible consumers beta

Assigned plugins

+ ADD PLUGIN

search plugins...

	Name	Consumer	Created	
	key-auth	All consumers	Nov 1, 2022	DELETE
	basic-auth	All consumers	Nov 1, 2022	DELETE

Service REST_Service

[services](#) / [show](#)

Service Details

Routes

Plugins

Eligible consumers beta

Routes

+ ADD ROUTE

search routes...

	Name / ID	Hosts	Paths	Protocols	Methods	Regex priority	Created	
	REST_Service_Routes	-	/rest	http, https	-	0	Nov 1, 2022	E

Konga – gRPC Service

Service gRPC_Service

[services](#) / [show](#)

Service Details

Routes

Plugins

Eligible consumers beta

Service details

Name

gRPC_Service

(optional)
The service name.

Description

(optional)
An optional service description.

Tags

(optional)
Optionally add tags to the service

Protocol

grpc

(semi-optional)
The protocol used to communicate with the upstream. It can be one of http or https.

Host

192.168.1.38

(semi-optional)
The host of the upstream server.

Port

50051

(semi-optional)
The upstream server port. Defaults to 80.

Path

(optional)

Service gRPC_Service

[services](#) / [show](#)

Service Details

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Eligible consumers beta

Routes

+ ADD ROUTE

search routes...

Name / ID	Hosts	Paths	Protocols	Methods	Regex priority	Created	
gRPC_Service_Route	-	/	grpc	-	0	Nov 1, 2022	

Service gRPC_Service

[services](#) / [show](#)

Service Details

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Eligible consumers beta

Assigned plugins

+ ADD PLUGIN

search plugins...

Name	Consumer	Created	
key-auth	All consumers	Nov 1, 2022	

Konga - Routes

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Routes

The Route entities defines rules to match client requests. Each Route is associated with a Service, and a Service may have multiple Routes associated to it. Every request matching a given Route will be proxied to its associated Service.

YOU CAN ONLY CREATE ROUTES FROM A SERVICE PAGE

Q

search...

Results : 25

	NAME / ID	TAGS	HOSTS	SERVICE	PATHS	CREATED ^
<div></div> <div></div> <div></div>	gRPC_Service_Route		-	gRPC_Service	/	Nov 1, 2022
<div></div> <div></div> <div></div>	REST_Service_Routes		-	REST_Service	/rest	Nov 1, 2022
<div></div> <div></div> <div></div>	HTTP_Service_Group_Routes		-	HTTP_Service_Group	/servicegroup	Nov 1, 2022
<div></div> <div></div> <div></div>	HTTP_Service1_Route		-	HTTP_Service1	/myservice1	Nov 1, 2022
<div></div> <div></div> <div></div>	a9695978-823e-4e36-a09d-62861ac8f5a8		-	exampleservice1	/mock	Nov 1, 2022

Konga - Consumers

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 Hello, admin ▾



Consumers

The Consumer object represents a consumer - or a user - of an API. You can either rely on Kong as the primary datastore, or you can map the consumer list with your database to keep consistency between Kong and your existing primary datastore.

+ CREATE CONSUMER



Results : 25 ▾

USERNAME	CUSTOM_ID	TAGS	CREATED ▴	
 Bob	-		Nov 01 2022 @20:59	 DELETE

Konga - Plugins

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Plugins

A Plugin entity represents a plugin configuration that will be executed during the HTTP request/response workflow, and it's how you can add functionalities to APIs that run behind Kong, like Authentication or Rate Limiting for example.

+ ADD GLOBAL PLUGINS

Q

search...

Results : 25

	NAME	SCOPE	APPLY TO	CONSUMER	CREATED	
<div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div>	key-auth	services	e891721a-91f4-4060-9a08-238a03bd50a8	All consumers	Nov 1, 2022	<div><div></div>DELETE</div>
<div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div>	key-auth	services	6c5ec90d-1a07-4661-9563-bb3d92cfflcf	All consumers	Nov 1, 2022	<div><div></div>DELETE</div>
<div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div>	basic-auth	services	6c5ec90d-1a07-4661-9563-bb3d92cfflcf	All consumers	Nov 1, 2022	<div><div></div>DELETE</div>
<div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div>	key-auth	services	ddd8b421-d3e6-440a-b179-7d99e4d785c0	All consumers	Nov 1, 2022	<div><div></div>DELETE</div>
<div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div>	basic-auth	services	ddd8b421-d3e6-440a-b179-7d99e4d785c0	All consumers	Nov 1, 2022	<div><div></div>DELETE</div>

Konga - Upstream

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Hello, admin

Upstreams

The upstream object represents a virtual hostname and can be used to loadbalance incoming requests over multiple services (targets). So for example an upstream named `service.v1.xyz` with an API object created with an `upstream_url=https://service.v1.xyz/some/path`. Requests for this API would be proxied to the targets defined within the upstream.

+ CREATE UPSTREAM

ALERT TRIGGERS0

Q

search...Results : 25 ▾

	NAME	TAGS	SLOTS	CREATED ^		
<div></div>	Upstream		1000	Nov 01 2022 @20:42	<div>i DETAILS</div>	<div>DELETE</div>