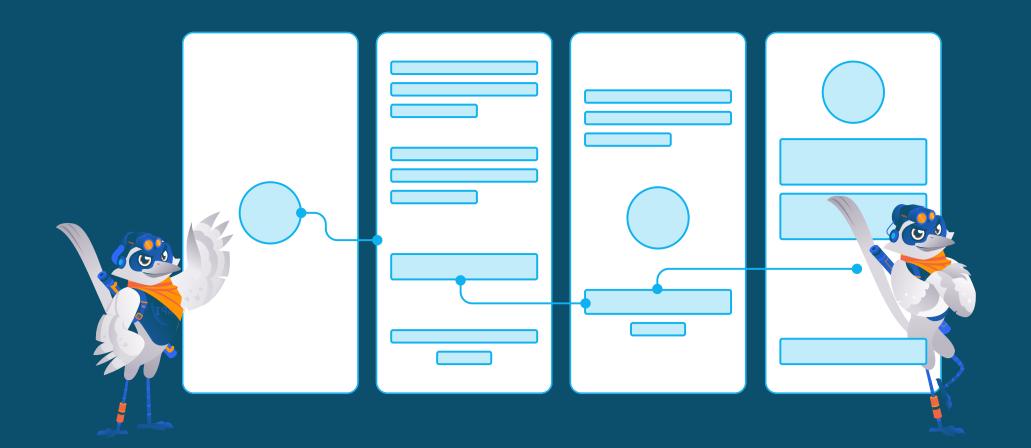


Parallel Development

Mock Internal APIs and Microservices

Prevent bottlenecks in your development process by parallelizing development work between API consumers and API developers



The Challenge

When different teams are dependent on unfinished APIs, development grinds (e.g., a front-end team waiting for a backend API, or an internal team waiting for a partner API).

The Solution

WireMock Cloud keeps your dev organization productive by allowing development to continue around realistic mock APIs that run as a service in your environment. Advanced features such as state management, proxying, and contract testing

give you more flexibility to build and test your app in realworld conditions.

"We had a challenge of coordinating work between front-end and back-end teams. Using WireMock Cloud, we were able to parallelize the work. We could take 3 weeks off of every feature development by using this approach – That was a complete shift in our development efficiency"

Joao Falcao CTO, Jumia

Quickly spin up new mocks that run as a hosted service

	Open API example 🛛 🔒 🛚	are d. API template
	https://m65v3.wiremockapi.cloud/ 📋	
l,	+ New C Refresh Filter stub list	
0	Gets a customer by ID no ID in response	Request
	GET /customers/{id}	Name
3		Gets a customer by ID. – no ID in response
	200 { "lastName" : "Akehurst" }	
ñ	[["Lastwame" : "Akenuist"]	③ Add description
9	Create new charge	
	POST /charges	GET V/customers/(id)
	200	✓Advanced ⑦
	{ "id": "9b6b418a-0b59-486c-a4a3-cd0f1cdbf0b3"	URL match type Priority
		Path template ~ 3 ~
	Gets a customer by ID example-one	
	GET /customers/{id}	O Query param O Header O Cookie O Body Form parameter O Path parameter
	200	detail NOT equalTo v full (query)
	{ "id" : "5931ed73-dcd4-4e24-ad24-975ac288fa7f",	
		id v NOT equalTo v 593led73-dcd4-4e24-ad24-975ac288 (path parameter)
	Create new charge - generic	
	POST /charges	> Scenario ①
	200	
	{ "id": "9b6b418a-0b59-486c-a4a3-cd0f1cdbf0b3"	Response
	Gets a customer by ID generic	Direct Fault Deput
	GET /customers/{id}	Direct Fault Proxy
	and a second sec	Status
	200 { "id" : "5931ed73-dcd4-4e24-ad24-975ac288fa7f",	200 Enable dynamic response templating
	(

- Build and manage your mocks via the web UI, and scale usage with the WireMock Cloud API
- Run WireMock as a hosted service in our Cloud, or on a Kubernetes cluster
- Import OpenAPI / Swagger specs to instantly scaffold mock APIs

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200	Pirect Fault	Proxy			
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	11)				

Remove dependencies and keep every team building and testing

- Continue developing API-dependant features with realistic mocks that simulate real-world condition
- Dynamically generating responses based on runtime data and context to test downstream behavior
- Keep developers on the same page and identify 'drift' from pre-agreed API definitions

Prototype, develop, and test APIs collaboratively to prevent production issues

	Powered by WireMock	Create your own m
penAPI demo		

- Test your system end-to-end against realistic mocks for smoother integration
- Collaborate on mocks to identify issues with API design or implementation early
- Validate system resilience by testing worst-case scenarios including delays throttling, and errors

IDPOINTS		GET https://openapi-demo.wiremockap	cloud/contacts/{contactId}
) /customers/(id)) /charges	GET	Request	✓ Parameters
/contacts/(contactId)	GET	Path Parameters	contactId* : 12345 Send API Request
		contactId Example: 12345	Request Sample: Shell / cURL ~
		Responses 200	<pre>curlrequest GET \ url https://openapi-demo.wiremockapi.cloud header 'Accept: application/json'</pre>
		get contact by ID	Response Example
		Body	application/json > 1 { 2 "id": 12345, 3 "name": "Tom"
		id integer <int32> Example: 12345</int32>	required 4 }
		name string	required

OpenAPI validation		
Request validations (1) Response validations (0)		
\$: string found, integer expected		
Request path	OpenAPI Document	
/customers/5931ed73-dcd4-4e24-ad24-975ac288fa7f?detail=full	<pre>3 title: OpenAPI demo 4 version: 1.0.0 5 servers: 6 - url: https://openapi-demo.wiremockapi.cloud 7 · paths:</pre>	
	 /customers/{id}: get: description: Gets a customer by ID. parameters: nome: id 	
	13 in: path 14 required: true 15 style: simple 16 explode: false	
	17, schema: A 18 type: integer	
	19 - nome: detail	
	20 in: query 21 required: true	
	21 required: true 22 style: form	
	23 explode: true	
	Z4 * schema:	
	25 type: string	
	26 enum: 27 - full	
	28 - summary	
	29 responses:	
	30 - "200":	
Convert to stub	31 description: Gets a customer by ID no ID in resp	onse
	32 - content:	

Keep your APIs mocks trustworthy with continuous contract testing

- Validate your mock's requests and responses against the OpenAPI definition
- Keep your mock APIs reliable when the mocked API changes
- Keep developers on the same page and identify 'drift' from pre-agreed API definitions