

The Render API

Manage your Render infrastructure programmatically.

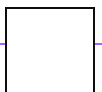
[Open the API reference](#)

Render provides a public REST API for managing your services and other resources programmatically.

The API supports almost all of the same functionality available in the [Render Dashboard](#). It includes endpoints for managing:

- Services and datastores
- Deploys
- Environment groups
- Blueprints
- Metrics and logs
- Projects and environments
- Custom domains
- One-off jobs
- Additional account settings

To request new API functionality, please [submit a feature request](#).



Setup


1. Create an API key

All Render API requests require authentication via API key. You create and manage API keys from your [Account Settings page](#) in the Render Dashboard:

API Keys

Interact with Render programmatically. Refer to the [API reference](#) for more.

+ Create API Key



Name	Key	Created	Last used	↓
ci-script	rnd_nS0YHp...	2 months ago	Never	...

An API key is displayed in full only when it's created:

A screenshot of a dialog box titled "API Key Created" with a close button (X) in the top right corner. The main text reads: "Please copy the key now and store it with the rest of your application secrets. This is the only time it will be displayed in full." Below the text is a dark horizontal bar containing the text "rnd_" followed by a blurred API key. A copy icon is visible on the right side of this bar. At the bottom left of the dialog is a "Done" button.

API keys are secret credentials!

Don't publicly post your API key, commit it to version control, or otherwise share it with anyone outside your organization. If you believe an API key has been compromised, revoke it in the Render Dashboard and create a new one.

2. Make your first request

To test your API key, let's make a quick `curl` request to list your services.

Run the following in your terminal after replacing `{{render_api_token_goes_here}}` with your API key:

```
curl --request GET \
      --url 'https://api.render.com/v1/services?limit=20' \
      --header 'Accept: application/json' \
      --header 'Authorization: Bearer {{render_api_token_goes_here}}'
```

SHELL

If your API key is valid, this request to the [List services](#) endpoint returns a `200` response with your service details in a JSON array.

API reference

[Open the API reference](#) for a comprehensive list of supported endpoints. The reference is interactive, and it provides example usage in multiple programming languages.

The screenshot shows the Render API documentation interface. On the left, a sidebar lists various service actions with their corresponding HTTP methods: 'List services' (GET), 'Create service' (POST), 'Retrieve service' (GET), 'Update service' (PATCH), 'Delete service' (DELETE), 'List environment variables' (GET), 'Update environment variables' (PUT), 'Suspend service' (POST), 'Resume service' (POST), 'Restart service' (POST), 'Scale instance count' (POST), 'Update autoscaling config' (PUT), and 'Create service preview (image-backed)' (POST). The main content area is titled 'List services' and shows the endpoint 'https://api.render.com/v1/services' with a GET method. It includes a description: 'List services matching the provided filters. If no filters are provided, returns all services you have permissions to view.' Below this, there are three query parameter sections: 'name' (array of strings) with a filter by name input, 'type' (array of strings) with a filter for types of services input, and 'env' (array of strings) with a filter for environments (runtimes) of services input. On the right, the 'LANGUAGE' section shows icons for Shell, Node, Ruby, PHP, and Python. The 'AUTHORIZATION' section shows a Bearer token. The 'CURL REQUEST' section provides a curl command: 'curl --request GET \ --url 'https://api.render.com/v1/services?limit=2' --header 'accept: application/json''. The 'RESPONSE' section shows a 200 status code and a JSON example: '{ \"service\": { \"id\": \"string\", \"autoDeploy\": \"yes\", \"branch\": \"string\", \"buildFilter\": { \"paths\": [\"string\"] } } }'.

OpenAPI spec

The Render API is described by an OpenAPI 3.0 spec. The spec is available in JSON format at the following URL:

<https://api-docs.render.com/openapi/6140fb3daeae351056086186>

TEXT

You can use this spec to generate custom clients and with other tooling.

Render's OpenAPI spec is subject to change.

The API itself will maintain backward compatibility, but details of the describing spec (such as names for endpoints and tags) might change over time. This might affect custom clients or other tools that rely on the spec.

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