

OpenStack API reference documentation

For a starting point on reference information about the OpenStack APIs in Cleura Cloud, and how to use them with a tool like `curl`, refer to the [OpenStack API documentation landing page](#). Individual service APIs have their own detailed API reference documentation pages, such as those for the [Compute \(Nova\) API](#) or the [Networking \(Neutron\) API](#).

You may also be interested in the [API Quick Start Guide](#) for information about how to authenticate against the OpenStack API, and send API requests.

To access the OpenStack API in Cleura Cloud, you need to have an [account](#), and also download a valid credentials file, as you would for [enabling the OpenStack CLI](#). All actions exposed via the OpenStack CLI are also available by calling the API directly.

OpenStack SDKs

Although the OpenStack API is perfectly usable via direct HTTP/HTTPS requests to the API endpoints, *most* developers prefer to use one of the Software Development Kits (SDKs) that wrap the OpenStack API. These SDKs are available for many languages:

- Python: [openstacksdk](#)
- Go: [Gophercloud](#) (see also its [reference documentation](#))
- .NET: [OpenStack.NET](#)
- PHP: [php-opencloud](#)
- Ruby: [fog](#) (see also its [OpenStack provider documentation](#))
- Java: [OpenStack4j](#)
- JavaScript/Node.js: [pkgcloud](#)

If your target language has a supported SDK, it may be advisable to use one of them rather than work with hand-crafted HTTP/HTTPS requests.

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