



# Flavors

Any server instance running in Cleura Cloud has a **flavor**, which defines the number of virtual CPU cores, the amount of virtual RAM, and other performance-related factors.

Using flavors, you define a server's performance characteristics and supported features.

## Naming convention

Flavor names in Cleura Cloud follow a convention, which can be summarized as `X.YcZgb` :

- `X` stands for a lowercase letter identifying the **compute tier**, with `b` representing the general-purpose tier. It is always followed by a full-stop ( `.` ).
- `Y` stands for the number of virtual CPU cores. This number is always followed by the letter `c` .
- `Z` stands for the allocated amount of virtual RAM, in **gibibytes**. This number is always followed by the string `gb` .

For example, the flavor named `b.4c32gb` would be used for a general-purpose compute instance with 4 cores and 32 GiB RAM.

## Compute tiers

Cleura Cloud defines the following compute tiers:

- `b` : General purpose. This is the default compute tier. Instances launched with matching flavors use highly available network-attached storage. This makes them flexible to migrate within the Cleura Cloud infrastructure, without interruption. Some **limitations** apply to instances with attached **encrypted volumes**.
- `s` : High-performance local storage. Instances launched with matching flavors use local, directly-attached storage. This generally provides higher throughput and lower latency for I/O intensive applications, but instances launched with these flavors must configure their own high availability and data replication.

- **c**: Dedicated CPU. Instances launched with matching flavors are guaranteed to run on compute hardware where CPU cores are allocated to instances on a one-to-one basis and one virtual core maps directly to a physical CPU core.
- **g**: Virtual GPU. Instances launched with matching flavors have access to a **GPU**.

Some tiers are only available in select Cleura Cloud regions. For details on tier availability, see the [Feature support matrix](#).

The general-purpose tier is always available to all Cleura Cloud customers. For access to other tiers, contact our [Service Center](#).

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