

Configuration selection for OpenStack

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Calculator

:<http://www.mirantis.com/openstack-services/bom-calculator/>

How it works.

```
capacity = min (
    ( 16/17 * total_ram/flavor_ram ),
    ( overcommit_rate * total_cpu/flavor_cpu )
)
```

```
capacity = min (
    ( 16/17 * total_ram/flavor_ram ),
    ( 6 * total_cpu/flavor_cpu )
)
```

可以放多少台 VM 的數量: 就是你的 capacity

Where

- **total_ram** is the total amount of memory (in GB) and **total_cpu** is the number of CPU units in a server configuration.
- **flavor_ram** is the amount of memory (in GB) and **flavor_cpu** is the number of virtual CPU units the average VM uses.
- **16/17** is a multiplier that reflects the rule that for each 64 GB of RAM in virtual machines, the hypervisor requires 4 GB of RAM.
- **overcommit_rate** is a CPU overcommit rate--the ratio of virtual processors to a single physical core, which we've fixed at 1:6. = 6

Reference

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