

## SWITCHengines Pricing 2021

1.1.2021

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The SWITCH Infrastructure as a Service cloud “SWITCHengines” offers virtual machines and storage to academic institutions in Switzerland. The pricing is based on actual usage and calculated every 15 minutes (<sup>1</sup>). Currently we are invoicing the following items: CPU, RAM, IPv4 Addresses and Storage.

### Item Pricing

Item	CHF / day	CHF / month	CHF / year
CPU Core <sup>2</sup>	0.4932	15.00	180.00
RAM (1 GB) <sup>2</sup>	0.2466	7.50	90.00
Disk Storage (1 GB) <sup>4</sup>	0.0006	0.0183	0.22
SSD Storage (1 GB)	0.0055	0.167	2.00
Object Store (1 GB) <sup>4</sup>	0.0006	0.0183	0.22
IPv4 Address	0.0274	0.83	10.00
Windows Server Operating System License	n/a	6 <sup>3</sup>	72

<sup>1</sup> The following rules apply: 1) CPU: running VMs are billed 2) RAM: running and suspended VM RAM is billed 3) Storage: all used storage (including VM storage) is billed 4) IP addresses: all used or reserved IP addresses are billed.

<sup>2</sup> Special discount of 25% on CPU and RAM for education flavour (switch.ch/engines/edu/) <sup>3</sup> per virtual CPU Core.

<sup>4</sup> Storage prices are calculated on a yearly price of 1TB (1024 GB) at 225.- CHF.

### Example configurations

Item	CHF / day	CHF / month	CHF / year
Small (1 CPU, 1 GB RAM, 20 GB Disk, 1 IPv4)	0.78	23.70	284.40
Medium (2 CPU, 2 GB RAM, 20 GB Disk, 1 IPv4)	1.52	46.20	554.40
Compute Intensive (8 CPU, 16 GB RAM, 50 GB Disk, 1 IPv4)	7.95	241.75	2'901.00
High IOPS DB Server (4 CPU, 32 GB RAM, 200 GB SSD, 1 IPv4)	10.99	334.17	4'010.00
Object Store (5 TB)	3.08	93.75	1125.00

### Discounts

We offer two kinds of discounts:

1. We discount the use of SWITCHengines in the “pay-as-you” model based on the aggregated volume in CHF used over the period of a calendar year. The discount is applied on the Q1 invoice of the following year.
2. We can offer you larger discounts based on larger volumes and the multi-year duration of the usage.

Please inquire here for a quote: [engines-support@switch.ch](mailto:engines-support@switch.ch).

**Projects funded by the SNSF can fully allocate the cost of SWITCHengines to their project expenses. Same for Innosuisse projects (upon approval of required resources).**

### Invoicing

Invoices are sent out quarterly and will contain the invoice for the SWITCHengines usage of the previous quarter. Usage is counted in 15 minutes increments.