



# Service Specifications & Additional Terms and Conditions

## Open Telekom Cloud

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# 1 Introduction

With Open Telekom Cloud, Telekom provides an Infrastructure-as-a-Service service on the basis of OpenStack technology.

The Open Telekom Cloud is provided as a public cloud variant.

The infrastructure services of the Open Telekom Cloud are configured via a self-service portal (console) or via programmable interfaces (API).

## 2 Services provided by Telekom

### 2.1 Place of service provision

The Open Telekom Cloud platform for the EU-DE region is provided from data centers located in Germany. The EU-NL region is covered by data centers located in the Netherlands.

### 2.2 Provision of the service

After commissioning, a Tenant with a dedicated logically isolated virtual private cloud will be set up for the customer, for which the customer will receive its own administrator account. Telekom will provide an automatically generated initial password.

During initial setup, the customer will be emailed the access data and the URL to the self-service portal (console) if they do not yet have access to this portal.

The customer will also receive an email about setting up the service (Ready-for-Service email). Upon transmission of this e-mail, but at the latest upon start of use, the service will be set up.

Changes to the configurations under the standard described below can be ordered via Telekom Sales.

### 2.3 Virtualization – Tenant

A Tenant extends across two physical data centers and up to three availability zones. In order to map the separation of the different customer areas, a dedicated Tenant is assigned to each customer contract. The Tenant is the topmost network delimitation and ensures customer separation. A customer may use multiple Tenants.

## 2.4 Open Telekom Cloud self-service portal (console)

The self-service portal (console), as a web application, is only accessible via HTTPS. The customer requires its access data to log in. As soon as the session is authenticated, the customer can call up the available functions.

The Open Telekom Cloud self-service portal (console) enables customers to manage its services and allocate available resources within the assigned Tenants. The Open Telekom Cloud self-service portal (console) is available in English and offers the following functions:

- Computing
  - Control functions for virtual machines (VM) – create, start, stop, restart, delete, prepare image, and connect to a console (VNC for the remote log-in)
- Storage/backup
  - Display, create, edit, monitor, and delete storage volume and backups
  - Create and manage containers and objects
- Access and security
  - Display, prepare, edit, and delete users and user groups
  - Display, prepare, edit, and delete security groups and rules
  - Observe, create, edit, and delete key pairs
  - Activate, manage, and delete multi-factor authentication (MFA)
- Network
  - Display the network topology; create, edit, and delete the public networks
  - Create and manage subnets Map and delete IP addresses to/from virtual machines
  - Create, edit, and delete VPN tunnels
- Help Center

Further information on the Open Telekom Cloud and its services is available at <https://docs.otc.t-systems.com/>.

## 2.5 Service quotas

The services of the Open Telekom Cloud are limited by quotas, the default quotas can be viewed in the self-service portal (console) under “My Quotas” and adjusted via the service desk.

## 2.6 Open Telekom Cloud API

In addition to the Open Telekom Cloud self-service portal, Tenants may also deploy OpenStack APIs while using standard OpenStack command line tools in order to provide new and manage existing resources via web service interfaces.

Through REST API calls, this API supports customers in the fully automated provisioning of cloud resources.

Further information on the Open Telekom Cloud API is available in the Open Telekom Cloud self-service portal (console) under "Help Center."

The APIs are standardized and can always be retrieved in the latest version at <https://docs.otc.t-systems.com/>.

## 2.7 Console access to virtual machines

The Open Telekom Cloud self-service portal (console) provides virtual network computing (VNC) consoles for remote login.

## 2.8 Service adjustment by Telekom

If Telekom intends to amend the legal terms and conditions, service specifications, or prices, the customer will be informed of these amendments in text form (e.g., by letter or email) at least six weeks before they become effective. The amendments will be constituent parts of the agreement from the date of coming into effect subject to the following conditions set out below in Items a) to b):

- a. Telekom has the right to make unilateral amendments to legal terms and conditions, service specifications, and prices which are in favor of the customer.
- b. In the event of price increases, amendments to legal terms and conditions that are to the detriment of the customer, and amendments to service specifications that are not merely of little importance, the customer has the right to terminate the Agreement without notice on the date when the amendments announced in text form take effect. The customer's right of termination will be expressly referred to in the notification about the amendments.

In the event of discontinuation/modification of essential functionalities or services, Telekom will inform the customer regularly three months in advance.

## 3 Services

### 3.1 Computing

#### 3.1.1 Elastic Cloud Server

The Elastic Cloud Server, as a virtual computing server, consists of a processor (vCPU), memory (RAM), OS image (operating system, public or private image), and block storage (Elastic Volume Service (EVS)).

The customer can choose between pre-assembled Elastic Cloud Server types called Flavors. When the customer selects vCPU, RAM, storage, and image, Telekom automatically provides it with the selected Elastic Cloud Server Flavor.

A distinction is made between the following Elastic Cloud Server types:

- a) General purpose (s2/s3): vCPU/RAM ratio – 1:1; 1:2; 1:4; 1:8
- b) Dedicated general purpose (c3/c4): vCPU/RAM ratio – 1:2; 1:4; 1 vCPU corresponds to a physical core
- c) Memory optimized (m2/m3/m4): 1 vCPU corresponds to a physical core
- d) High performance (h2/hl1): vCPU/RAM ratio – 1:8; 1:16; Infiniband network
- e) GPU accelerated (g6/pi2/p1/p2/p2s/p2v/p3): Nvidia T4, P100, V100, A100 GPUs
- f) Large memory (e3): vCPU/RAM ratio – 1:12; 1:14
- g) Disk intensive (d2): vCPU/RAM ratio – 1:8, contain local hard disks
- h) Ultra-High I/O (i3): vCPU/RAM ratio – 1:4, local NVMe SSDs

##### 3.1.1.1 General purpose – s2

Elastic Cloud Server Flavor (type)	Hypervisor	vCPU (quantity)	RAM	EVS hard disk size
s2.medium.1	KVM	1	1 GB	up to 32 TB <sup>1</sup>
s2.large.1	KVM	2	2 GB	up to 32 TB <sup>1</sup>
s2.xlarge.1	KVM	4	4 GB	up to 32 TB <sup>1</sup>
s2.2xlarge.1	KVM	8	8 GB	up to 32 TB <sup>1</sup>
s2.4xlarge.1	KVM	16	16 GB	up to 32 TB <sup>1</sup>
s2.8xlarge.1	KVM	32	32 GB	up to 32 TB <sup>1</sup>
s2.medium.2	KVM	1	2 GB	up to 32 TB <sup>1</sup>
s2.large.2	KVM	2	4 GB	up to 32 TB <sup>1</sup>
s2.xlarge.2	KVM	4	8 GB	up to 32 TB <sup>1</sup>
s2.2xlarge.2	KVM	8	16 GB	up to 32 TB <sup>1</sup>
s2.4xlarge.2	KVM	16	32 GB	up to 32 TB <sup>1</sup>
s2.8xlarge.2	KVM	32	64 GB	up to 32 TB <sup>1</sup>
s2.medium.4	KVM	1	4 GB	up to 32 TB <sup>1</sup>
s2.large.4	KVM	2	8 GB	up to 32 TB <sup>1</sup>
s2.xlarge.4	KVM	4	16 GB	up to 32 TB <sup>1</sup>
s2.2xlarge.4	KVM	8	32 GB	up to 32 TB <sup>1</sup>
s2.4xlarge.4	KVM	16	64 GB	up to 32 TB <sup>1</sup>
s2.8xlarge.4	KVM	32	128 GB	up to 32 TB <sup>1</sup>
s2.medium.8	KVM	1	8 GB	up to 32 TB <sup>1</sup>
s2.large.8	KVM	2	16 GB	up to 32 TB <sup>1</sup>
s2.xlarge.8	KVM	4	32 GB	up to 32 TB <sup>1</sup>
s2.2xlarge.8	KVM	8	64 GB	up to 32 TB <sup>1</sup>

Elastic Cloud Server Flavor (type)	Hypervisor	vCPU (quantity)	RAM	EVS hard disk size
s2.4xlarge.8	KVM	16	128 GB	up to 32 TB <sup>1</sup>
s2.8xlarge.8	KVM	32	256 GB	up to 32 TB <sup>1</sup>

<sup>1</sup>Dependent on the operating system selected; details upon selection of the image

### 3.1.1.2 General purpose – s3

Elastic Cloud Server Flavor (type)	Hypervisor	vCPU (quantity)	RAM	EVS hard disk size
s3.medium1	KVM	1	1 GB	up to 32 TB <sup>1</sup>
s3.large.1	KVM	2	2 GB	up to 32 TB <sup>1</sup>
s3.xlarge.1	KVM	4	4 GB	up to 32 TB <sup>1</sup>
s3.2xlarge.1	KVM	8	8 GB	up to 32 TB <sup>1</sup>
s3.4xlarge.1	KVM	16	16 GB	up to 32 TB <sup>1</sup>
s3.8xlarge.1	KVM	32	32 GB	up to 32 TB <sup>1</sup>
s3.medium.2	KVM	1	2 GB	up to 32 TB <sup>1</sup>
s3.large.2	KVM	2	4 GB	up to 32 TB <sup>1</sup>
s3.xlarge.2	KVM	4	8 GB	up to 32 TB <sup>1</sup>
s3.2xlarge.2	KVM	8	16 GB	up to 32 TB <sup>1</sup>
s3.4xlarge.2	KVM	16	32 GB	up to 32 TB <sup>1</sup>
s3.8xlarge.2	KVM	32	64 GB	up to 32 TB <sup>1</sup>
s3.medium.4	KVM	1	4 GB	up to 32 TB <sup>1</sup>
s3.large.4	KVM	2	8 GB	up to 32 TB <sup>1</sup>
s3.xlarge.4	KVM	4	16 GB	up to 32 TB <sup>1</sup>
s3.2xlarge.4	KVM	8	32 GB	up to 32 TB <sup>1</sup>
s3.4xlarge.4	KVM	16	64 GB	up to 32 TB <sup>1</sup>
s3.8xlarge.4	KVM	32	128 GB	up to 32 TB <sup>1</sup>
s3.medium.8	KVM	1	8 GB	up to 32 TB <sup>1</sup>
s3.large.8	KVM	2	16 GB	up to 32 TB <sup>1</sup>
s3.xlarge.8	KVM	4	32 GB	up to 32 TB <sup>1</sup>
s3.2xlarge.8	KVM	8	64 GB	up to 32 TB <sup>1</sup>
s3.4xlarge.8	KVM	16	128 GB	up to 32 TB <sup>1</sup>
s3.8xlarge.8	KVM	32	256 GB	up to 32 TB <sup>1</sup>

<sup>1</sup>Dependent on the operating system selected; details upon selection of the image

### 3.1.1.3 Dedicated general purpose – c3

Elastic Cloud Server Flavor (type)	Hypervisor	vCPU (quantity)	RAM	EVS hard disk size
c3.large.2	KVM	2	4 GB	up to 32 TB <sup>1</sup>
c3.xlarge.2	KVM	4	8 GB	up to 32 TB <sup>1</sup>
c3.2xlarge.2	KVM	8	16 GB	up to 32 TB <sup>1</sup>
c3.4xlarge.2	KVM	16	32 GB	up to 32 TB <sup>1</sup>
c3.8xlarge.2	KVM	32	64 GB	up to 32 TB <sup>1</sup>
c3.15xlarge.2	KVM	60	128 GB	up to 32 TB <sup>1</sup>
c3.large.4	KVM	2	8 GB	up to 32 TB <sup>1</sup>
c3.xlarge.4	KVM	4	16 GB	up to 32 TB <sup>1</sup>

Elastic Cloud Server Flavor (type)	Hypervisor	vCPU (quantity)	RAM	EVS hard disk size
c3.2xlarge.4	KVM	8	32 GB	up to 32 TB <sup>1</sup>
c3.4xlarge.4	KVM	16	64 GB	up to 32 TB <sup>1</sup>
c3.8xlarge.4	KVM	32	128 GB	up to 32 TB <sup>1</sup>
c3.15xlarge.4	KVM	60	256 GB	up to 32 TB <sup>1</sup>

<sup>1</sup>Dependent on the operating system selected; details upon selection of the image

### 3.1.1.4 Dedicated general purpose – c4

Elastic Cloud Server Flavor (type)	Hypervisor	vCPU (quantity)	RAM	EVS hard disk size
c4.large.2	KVM	2	4 GB	up to 32 TB <sup>1</sup>
c4.xlarge.2	KVM	4	8 GB	up to 32 TB <sup>1</sup>
c4.2xlarge.2	KVM	8	16 GB	up to 32 TB <sup>1</sup>
c4.3xlarge.2	KVM	12	24 GB	up to 32 TB <sup>1</sup>
c4.4xlarge.2	KVM	16	32 GB	up to 32 TB <sup>1</sup>
c4.6xlarge.2	KVM	24	48 GB	up to 32 TB <sup>1</sup>
c4.8xlarge.2	KVM	32	64 GB	up to 32 TB <sup>1</sup>
c4.16xlarge.2	KVM	64	128 GB	up to 32 TB <sup>1</sup>
c4.large.4	KVM	2	8 GB	up to 32 TB <sup>1</sup>
c4.xlarge.4	KVM	4	16 GB	up to 32 TB <sup>1</sup>
c4.2xlarge.4	KVM	8	32 GB	up to 32 TB <sup>1</sup>
c4.3xlarge.4	KVM	12	48 GB	up to 32 TB <sup>1</sup>
c4.4xlarge.4	KVM	16	64 GB	up to 32 TB <sup>1</sup>
c4.6xlarge.4	KVM	24	96 GB	up to 32 TB <sup>1</sup>
c4.8xlarge.4	KVM	32	128 GB	up to 32 TB <sup>1</sup>
c4.16xlarge.4	KVM	64	256 GB	up to 32 TB <sup>1</sup>

<sup>1</sup>Dependent on the operating system selected; details upon selection of the image

### 3.1.1.5 Memory optimized II & III & IV

Elastic Cloud Server Flavor (type)	Hypervisor	vCPU (quantity)	RAM	EVS hard disk size
m2.4xlarge.8	KVM	16	128 GB	up to 32 TB <sup>1</sup>
m2.8xlarge.8	KVM	32	256 GB	up to 32 TB <sup>1</sup>
m3.large.8	KVM	2	16 GB	up to 32 TB <sup>1</sup>
m3.xlarge.8	KVM	4	32 GB	up to 32 TB <sup>1</sup>
m3.2xlarge.8	KVM	8	64 GB	up to 32 TB <sup>1</sup>
m3.4xlarge.8	KVM	16	128 GB	up to 32 TB <sup>1</sup>
m3.8xlarge.8	KVM	32	256 GB	up to 32 TB <sup>1</sup>
m3.15xlarge.8	KVM	60	512 GB	up to 32 TB <sup>1</sup>
m4.large.8	KVM	2	16 GB	up to 32 TB <sup>1</sup>
m4.xlarge.8	KVM	4	32 GB	up to 32 TB <sup>1</sup>
m4.2xlarge.8	KVM	8	64 GB	up to 32 TB <sup>1</sup>
m4.3xlarge.8	KVM	12	96 GB	up to 32 TB <sup>1</sup>
m4.4xlarge.8	KVM	16	128 GB	up to 32 TB <sup>1</sup>
m4.6xlarge.8	KVM	24	192 GB	up to 32 TB <sup>1</sup>
m4.8xlarge.8	KVM	32	256 GB	up to 32 TB <sup>1</sup>

Elastic Cloud Server Flavor (type)	Hypervisor	vCPU (quantity)	RAM	EVS hard disk size
m4.16xlarge.8	KVM	64	512 GB	up to 32 TB <sup>1</sup>

<sup>1</sup>Dependent on the operating system selected; details upon selection of the image

### 3.1.1.6 High performance II

Optimized Flavor with InfiniBand network adapters with and without local NVMe SSD hard disks directly in the physical host for scientific computing.

Elastic Cloud Server Flavor (type)	Hypervisor	vCPU (quantity)	RAM	Compute Nodes interconnection network card	Local cache hard disks	EVS hard disk size
h2.3xlarge.10	KVM	16	128 GB	2 x 100Gbit/s	1 x 3.2 TB	up to 32 TB <sup>1</sup>
h2.3xlarge.20	KVM	16	256 GB	2 x 100Gbit/s	1 x 3.2 TB	up to 32 TB <sup>1</sup>
hl1.8xlarge.8	KVM	32	256 GB	1 x 100Gbit/s, 2 x 56Gbit/s	-	up to 32 TB <sup>1</sup>

<sup>1</sup>Dependent on the operating system selected; details upon selection of the image

### 3.1.1.7 GPU accelerated (NVIDIA T4 & P100, V100 & A100)

Optimized Flavor based on NVIDIA T4, P100, V100, and A100 graphics cards for graphics and compute-intensive applications.

The g6 Flavor has direct access (GPU pass-through) to the GPU of the NVIDIA T4 graphics card.

Elastic Cloud Server Flavor (type)	Hypervisor	vCPU (quantity)	RAM	GPU	GPU RAM	GPU type	EVS hard disk size
g6.10xlarge.7	KVM	40	280 GB	1	1 x 16 GB	NVIDIA T4	up to 32 TB <sup>1</sup>
g6.20xlarge.7	KVM	80	560 GB	2	2 x 16 GB	NVIDIA T4	up to 32 TB <sup>1</sup>

<sup>1</sup>Dependent on the operating system selected; details upon selection of the image

The pi2 Flavor has direct access (GPU pass-through) to the GPU of the NVIDIA T4 graphics card.

Elastic Cloud Server Flavor (type)	Hypervisor	vCPU (quantity)	RAM	GPU	GPU RAM	GPU type	EVS hard disk size
pi2.2xlarge.4	KVM	8	32 GB	1	1 x 16 GB	NVIDIA T4	up to 32 TB <sup>1</sup>
pi2.4xlarge.4	KVM	16	64 GB	2	2 x 16 GB	NVIDIA T4	up to 32 TB <sup>1</sup>
pi2.8xlarge.4	KVM	32	128 GB	4	4 x 16 GB	NVIDIA T4	up to 32 TB <sup>1</sup>
pi2.16xlarge.4	KVM	64	256 GB	8	8 x 16 GB	NVIDIA T4	up to 32 TB <sup>1</sup>

<sup>1</sup>Dependent on the operating system selected; details upon selection of the image

The p1 Flavor has direct access (GPU pass-through) to the GPU of the NVIDIA P100 graphics card and has local NVMe SSD hard disks.

Elastic Cloud Server Flavor (type)	Hypervisor	vCPU (quantity)	RAM	GPU	GPU type	Local cache hard disks	EVS hard disk size
p1.2xlarge.8	KVM	8	64 GB	1	NVIDIA P100	1 x 800 GB	up to 32 TB <sup>1</sup>
p1.4xlarge.8	KVM	16	128 GB	2	NVIDIA P100	2 x 800 GB	up to 32 TB <sup>1</sup>
p1.8xlarge.8	KVM	32	256 GB	4	NVIDIA P100	4 x 800 GB	up to 32 TB <sup>1</sup>

<sup>1</sup>Dependent on the operating system selected; details upon selection of the image

The p2 and p2s Flavors have direct access (GPU pass-through) to the GPU of the NVIDIA V100 graphics card (without NVLink). The p2 Flavor also has local NVMe SSD hard disks.

Elastic Cloud Server Flavor (type)	Hypervisor	vCPU (quantity)	RAM	GPU (quantity)	GPU RAM	GPU type	Local cache hard disks	EVS hard disk size
p2.2xlarge.8	KVM	8	64 GB	1	1 x 16 GB	NVIDIA V100	1 x 800 GB	up to 32 TB <sup>1</sup>
p2.4xlarge.8	KVM	16	128 GB	2	2 x 16 GB	NVIDIA V100	2 x 800 GB	up to 32 TB <sup>1</sup>
p2.8xlarge.8	KVM	32	256 GB	4	4 x 16 GB	NVIDIA V100	4 x 800 GB	up to 32 TB <sup>1</sup>
p2s.2xlarge.8	KVM	8	64 GB	1	1 x 32 GB	NVIDIA V100	-	up to 32 TB <sup>1</sup>
p2s.4xlarge.8	KVM	16	128 GB	2	2 x 32 GB	NVIDIA V100	-	up to 32 TB <sup>1</sup>
p2s.8xlarge.8	KVM	32	256 GB	4	4 x 32 GB	NVIDIA V100	-	up to 32 TB <sup>1</sup>
p2s.16xlarge.8	KVM	64	512 GB	8	8 x 32 GB	NVIDIA V100	-	up to 32 TB <sup>1</sup>

<sup>1</sup>Dependent on the operating system selected; details upon selection of the image

The p2v Flavor has direct access (GPU pass-through) to the GPU of the NVIDIA V100 graphics card (with NVLink).

Elastic Cloud Server Flavor (type)	Hypervisor	vCPU (quantity)	RAM	GPU (quantity)	GPU RAM	GPU type	EVS hard disk size
p2v.2xlarge.8	KVM	8	64 GB	1	1 x 16 GB	NVIDIA V100	up to 32 TB <sup>1</sup>
p2v.4xlarge.8	KVM	16	128 GB	2	2 x 16 GB	NVIDIA V100	up to 32 TB <sup>1</sup>
p2v.8xlarge.8	KVM	32	256 GB	4	4 x 16 GB	NVIDIA V100	up to 32 TB <sup>1</sup>
p2v.16xlarge.8	KVM	64	512 GB	8	8 x 16 GB	NVIDIA V100	up to 32 TB <sup>1</sup>

<sup>1</sup>Dependent on the operating system selected; details upon selection of the image

The p3 Flavor has direct access (GPU pass-through) to the GPU of the NVIDIA V100 graphics card (with NVLink).

Elastic Cloud Server Flavor (type)	Hypervisor	vCPU (quantity)	RAM	GPU (quantity)	GPU RAM	GPU type	EVS hard disk size
p3.2xlarge.8	KVM	8	64 GB	1	1 x 80 GB	NVIDIA A100	up to 32 TB <sup>1</sup>
p3.4xlarge.8	KVM	16	128 GB	2	2 x 80 GB	NVIDIA A100	up to 32 TB <sup>1</sup>
p3.8xlarge.8	KVM	32	256 GB	4	4 x 80 GB	NVIDIA A100	up to 32 TB <sup>1</sup>
p3.16xlarge.8	KVM	64	512 GB	8	8 x 80 GB	NVIDIA A100	up to 32 TB <sup>1</sup>

<sup>1</sup>Dependent on the operating system selected; details upon selection of the image

### 3.1.1.8 Large memory III

Optimized Flavor for highly scaled Enterprise applications of the type "in-memory computing."

Elastic Cloud Server Flavor (type)	Hypervisor	vCPU (quantity)	RAM	EVS hard disk size
e3.7xlarge.12	KVM	28	348 GB	up to 32 TB <sup>1</sup>
e3.14xlarge.12	KVM	56	696 GB	up to 32 TB <sup>1</sup>
e3.26xlarge.14	KVM	104	1466 GB	up to 32 TB <sup>1</sup>
e3.52xlarge.14	KVM	208	2932 GB	up to 32 TB <sup>1</sup>

<sup>1</sup>Dependent on the operating system selected; details upon selection of the image

### 3.1.1.9 Disk intensive II

Optimized Flavor with hard disks directly in the physical host for big data applications and applications with high read/write performance requirements.

Elastic Cloud Server Flavor (type)	Hypervisor	vCPU (quantity)	RAM	Local hard disks	EVS hard disk size
d2.xlarge.8	KVM	4	32 GB	2 x 1.8 TB SAS	up to 32 TB <sup>1</sup>
d2.2xlarge.8	KVM	8	64 GB	4 x 1.8 TB SAS	up to 32 TB <sup>1</sup>
d2.4xlarge.8	KVM	16	128 GB	8 x 1.8 TB SAS	up to 32 TB <sup>1</sup>
d2.6xlarge.8	KVM	24	192 GB	12 x 1.8 TB SAS	up to 32 TB <sup>1</sup>
d2.8xlarge.8	KVM	32	256 GB	16 x 1.8 TB SAS	up to 32 TB <sup>1</sup>
d2.15xlarge.9	KVM	60	540 GB	24 x 1.8 TB SAS	up to 32 TB <sup>1</sup>

<sup>1</sup>Dependent on the operating system selected; details upon selection of the image

### 3.1.1.10 Ultra-High I/O

I3 ECSs use Intel® Xeon® Scalable processors and high-performance local NVMe SSDs to provide high storage IOPS and low read/write latency.

Elastic Cloud Server Flavor (type)	Hypervisor	vCPU (quantity)	RAM	Local hard disks	Bandwidth Guaranteed / Maximum	EVS hard disk size
i3.2xlarge.4	KVM	8	32 GB	1 x 3.2 TB NVMe	4,5 / 15 Gbit/s	up to 32 TB <sup>1</sup>
i3.4xlarge.4	KVM	16	64 GB	2 x 3.2 TB NVMe	9 / 20 Gbit/s	up to 32 TB <sup>1</sup>
i3.8xlarge.4	KVM	32	128 GB	4 x 3.2 TB NVMe	18 / 30 Gbit/s	up to 32 TB <sup>1</sup>
i3.12xlarge.4	KVM	48	192 GB	6 x 3.2 TB NVMe	27 / 35 Gbit/s	up to 32 TB <sup>1</sup>
i3.16xlarge.4	KVM	64	256 GB	8 x 3.2 TB NVMe	32 / 40 Gbit/s	up to 32 TB <sup>1</sup>

<sup>1</sup>Dependent on the operating system selected; details upon selection of the image

### 3.1.2 Dedicated host

With the Dedicated Host, the Open Telekom Cloud provides isolated and dedicated physical servers (known as dedicated hosts). Provision, monitoring, and resource management are undertaken via the Open Telekom Cloud self-service portal (console).

The following dedicated hosts are available to the customer for selection in the Open Telekom Cloud self-service portal (console):

Dedicated Host (type)	Sockets	Cores per socket	Hypervisor	Hardware Specifications*	vCPUs	Supported Elastic Cloud Servers
General purpose – s2	2	22	KVM	<ul style="list-style-type: none"> <li>▪ Intel Xeon Gold 6161 (30.25 MB Cache, 2.20 GHz)</li> <li>▪ 704 GB RAM</li> </ul>	144	<ul style="list-style-type: none"> <li>▪ General purpose (s2)</li> </ul>
General purpose – s2-medium	2	12	KVM	<ul style="list-style-type: none"> <li>▪ Intel Xeon Gold 5118 (16.5 MB Cache, 2.30 GHz)</li> <li>▪ 328 GB RAM</li> </ul>	72	<ul style="list-style-type: none"> <li>▪ General purpose (s2)</li> </ul>
Dedicated general purpose – c3	2	18	KVM	<ul style="list-style-type: none"> <li>▪ Intel Xeon Gold 6151 (24.75 MB Cache, 3.0 GHz)</li> <li>▪ 256 GB RAM</li> </ul>	60	<ul style="list-style-type: none"> <li>▪ Dedicated general purpose (c3)</li> </ul>
Dedicated general purpose – c4	2	22	KVM	<ul style="list-style-type: none"> <li>▪ Intel Xeon Gold 6266 (19.25 MB Cache, 3.0 GHz)</li> <li>▪ 296 GB RAM</li> </ul>	74	<ul style="list-style-type: none"> <li>▪ Dedicated general purpose (c4)</li> </ul>
Memory optimized – m3	2	18	KVM	<ul style="list-style-type: none"> <li>▪ Intel Xeon Gold 6151 (24.75 MB Cache, 3.0 GHz)</li> <li>▪ 512 GB RAM</li> </ul>	60	<ul style="list-style-type: none"> <li>▪ Memory optimized (m3)</li> </ul>
Memory optimized – m4	2	22	KVM	<ul style="list-style-type: none"> <li>▪ Intel Xeon Gold 6266 (19.25 MB Cache, 3.0 GHz)</li> <li>▪ 592 GB RAM</li> </ul>	74	<ul style="list-style-type: none"> <li>▪ Memory optimized (m4)</li> </ul>
Ultra-High I/O -i3	2	26	KVM	<ul style="list-style-type: none"> <li>▪ Intel Cascade Lake 6278 (2.60 GHz; Turbo frequency: 3.50 GHz)</li> <li>▪ 324GB RAM</li> <li>▪ Disk: 10*3.2TB</li> </ul>	92	<ul style="list-style-type: none"> <li>▪ Ultra-High I/O (i3)</li> </ul>

\* The respective hardware pool can contain different processor types, the selection cannot be influenced.

### 3.1.3 Bare Metal Service

The Bare Metal Service offers the provision of isolated, physical, and non-virtualized servers.

As well Bare Metal Service provides a Bare Metal Host with INTEL Software Guard Extensions (SGX) enabled, to be used to isolate applications in a secure enclave.

The following Bare Metal Hosts are available to the customer:

Bare Metal (type)	Sockets	Cores per socket	Hardware Specifications
physical.h2.large	2	18	<ul style="list-style-type: none"><li>Intel Xeon Gold 6151 v5 (60 MB cache, 3.0 GHz)</li><li>192 GB RAM</li><li>1 x 1.6 TB NVMe SSD</li><li>2 x Dual 10GE NIC</li><li>1 x 100 Gbit/s InfiniBand network</li></ul>
physical.i7n.28xlarge.4	2	28	<ul style="list-style-type: none"><li>Intel Xeon Gold 6348 Ice lake (2.6GHz, 42MB cache)</li><li>Intel SGX enabled</li><li>512 GB RAM</li><li>8x 960GB local SSD disk</li><li>2x 25GE NIC</li></ul>

A compatibility matrix of supported operating systems can be viewed at <https://imagefactory.otc.t-systems.com/flavor-images>.

### 3.1.4 Auto Scaling

When activated by the customer, auto-scaling uses the customer's specified conditions for the automatic adjustment (scale in and scale out) of its resources.

In the process, auto-scaling interacts with the Elastic Cloud Server, Cloud Eye, Elastic Load Balancer, Elastic Volume Service, and Elastic IP.

### 3.1.5 Image Management Service

The Image Management Service enables Telekom to manage pre-configured operating system images (public images) as well as customer-specific images. Every Elastic Cloud Server must be assigned an image by the customer.

#### 3.1.5.1 Public images

The following public images are provided by Telekom. The full list of available and supported public images, including a compatibility matrix, can be viewed at <https://imagefactory.otc.t-systems.com/flavor-images>.

- a. Community Linux derivatives based on:
  - Alma
  - CentOS
  - Debian
  - Fedora
  - EulerOS
  - openSUSE
  - Rocky
- b. Ubuntu
- c. SUSE Enterprise Linux (SLES)
- d. Oracle Linux
- e. Red Hat Enterprise Linux
- f. Microsoft Windows Server

### 3.1.5.2 Private images

The customer has the opportunity to upload its own "private images" to the Image Management Service or to create them on the basis of an Elastic Cloud Server.

## 3.2 Databases

### 3.2.1 Relational Database Service

The service enables the customer to create a relational online database. The customer is provided with operational tools for automatic provisioning, maintenance, monitoring, backup, and recovery of the database. The point-in-time recovery function enables the customer to recover the database for the last 35 days. Each database version is available as a synchronous primary/standby or single instance.

The following databases are available for selection:

- MySQL versions 5.6.x, 5.7.x, and 8.0.x (Community version)
- PostgreSQL versions 9.6.x, 10.x, 11.x, 12.x, 13.x and 14.x
- Microsoft SQL Server 2014 Standard Edition SP2 (MS SQL Server)\*
- Microsoft SQL Server 2016 Standard and Enterprise Edition (MS SQL Server)\*
- Microsoft SQL Server 2017 Standard and Enterprise Edition (MS SQL Server)
- Microsoft SQL Server 2019 Standard und Enterprise Edition (MS SQL Server)

\* The database is available until April 30st, 2023.

The following pre-assembled Flavors are available to customers via the Open Telekom Cloud self-service portal (console) for using the Relational Database Service:

Relational Database Service Flavor (type)	vCPU (quantity)	RAM	MySQL	Postgre-SQL	MS SQL Server
db.c2.medium	1	2 GB	X	X	

Relational Database Service Flavor (type)	vCPU (quantity)	RAM	MySQL	PostgreSQL	MS SQL Server
db.s1.medium	1	4 GB	X	X	
db.c2.large	2	4 GB	X	X	X
db.s1.large	2	8 GB	X	X	X
db.m1.large	2	16 GB	X	X	X
db.c2.xlarge	4	8 GB	X	X	X
db.s1.xlarge	4	16 GB	X	X	X
db.m1.xlarge	4	32 GB	X	X	X
db.c2.2xlarge	8	16 GB	X	X	X
db.s1.2xlarge	8	32 GB	X	X	X
db.m1.2xlarge	8	64 GB	X	X	X
db.c2.4xlarge	16	32 GB	X	X	X
db.s1.4xlarge	16	64 GB	X	X	X
db.m1.4xlarge	16	128 GB	X	X	X
db.c2.8xlarge	32	64 GB	X	X	X
db.s1.8xlarge	32	128 GB	X	X	X
db.m1.8xlarge	32	256 GB	X	X	X
db.c3.15xlarge.2	60	128 GB	X	X	X
db.c3.15xlarge.4	60	256 GB	X	X	X
db.m3.15xlarge.8	60	512 GB	X	X	X

The Elastic Volume Service to be used with the above Flavors has the following characteristics:

- Hard disk size: 40 GB to 4 TB
- Hard disk types: Common I/O and Ultra-High I/O

### 3.2.2 Distributed Cache Service

Distributed Cache Service allows the customer to create a NoSQL in-memory database based on Redis 3.0.7, 4.0.14 and 5.0.9.

The customer is provided with operational tools for automatic provisioning, maintenance, monitoring, backup, and recovery of the database.

The following pre-assembled Flavors are available to customers via the Open Telekom Cloud self-service portal (console) for using the Distributed Cache Service; there are two different variants:

Single node: each distributed cache instance only runs on one cache node.

Master/Standby node: the Distributed Cache instances run in "Master/Slave" mode.

Distributed Cache Service Flavor (type)	Total memory	Usable memory Single node	Usable memory Master/Standby node	Max. number of connections	Maximum bandwidth
Single node and Master/Standby node	2 GB	1.5 GB	1.5 GB	10,000	400 Mbit/s
	4 GB	3.2 GB	3.2 GB	10,000	400 Mbit/s
	8 GB	6.8 GB	6.4 GB	10,000	1,520 Mbit/s
	16 GB	13.6 GB	12.8 GB	10,000	3,040 Mbit/s
	32 GB	27.2 GB	25.6 GB	10,000	3,040 Mbit/s
	64 GB	58.2 GB	51.2 GB	12,000	3,040 Mbit/s

Cluster node: the Distributed Cache instances run in "Cluster" mode.

Distributed Cache Service Flavor (type)	Total memory	Usable memory	Max. number of connections	Maximum bandwidth
Cluster node	64 GB	64 GB	20,000	2,000 Mbit/s
	128 GB	128 GB	20,000	2,000 Mbit/s
	256 GB	256 GB	20,000	2,000 Mbit/s
	512 GB	512 GB	20,000	2,000 Mbit/s

### 3.2.3 Document Database Service

The Document Database Service enables the customer to create a NoSQL database. The service supports the MongoDB protocol based on Community version 3.2, 3.4 and 4.0.3. The customer is provided with operational tools for automatic provisioning, scaling, maintenance, monitoring, backup, and recovery of the database. Single node deployments are possible.

The Single Node, Cluster and Replica Set modes with the following pre-assembled Flavors are available to the customer via the Open Telekom Cloud self-service portal (console) for using the Document Database Service:

#### Single Node Deployment

Document Database Service (type)	vCPU (quantity)	RAM	EVS hard disk size	EVS hard disk types
Node	1	4 GB	10 GB to 2 TB	Ultra-High I/O
	2	8 GB	10 GB to 2 TB	Ultra-High I/O
	4	16 GB	10 GB to 2 TB	Ultra-High I/O
	8	32 GB	10 GB to 2 TB	Ultra-High I/O
	16	64 GB	10 GB to 2 TB	Ultra-High I/O

#### Cluster mode

Document Database Service (type)	vCPU (quantity)	RAM	EVS hard disk size	EVS hard disk types
Mongos node	1	4 GB	-	-
	2	8 GB	-	-
	4	16 GB	-	-
	8	32 GB	-	-
	16	64 GB	-	-
Shard node	1	4 GB	10 GB to 1 TB	Ultra-High I/O
	2	8 GB	10 GB to 1 TB	Ultra-High I/O
	4	16 GB	10 GB to 1 TB	Ultra-High I/O
	8	32 GB	10 GB to 1 TB	Ultra-High I/O
	16	64 GB	10 GB to 1 TB	Ultra-High I/O
Config node	2	4 GB	20 GB	Ultra-High I/O

The minimum configuration of a Document Database instance in Cluster mode consists of 2x Mongo nodes, 2x Shard nodes and 1x Config node.

#### Replica set (consisting of three nodes: Primary, Secondary and Hidden)

Document Database Service (type)	vCPU (quantity)	RAM	EVS hard disk size	EVS hard disk types
Node	1	4 GB	10 GB to 2 TB	Ultra-High I/O
	2	8 GB	10 GB to 2 TB	Ultra-High I/O
	4	16 GB	10 GB to 2 TB	Ultra-High I/O
	8	32 GB	10 GB to 2 TB	Ultra-High I/O
	16	64 GB	10 GB to 2 TB	Ultra-High I/O

### 3.2.4 Cloud Search Service

The Cloud Search Service enables the customer to create a NoSQL database. The service supports the Elastic Search protocol. The customer is provided with operational tools for automatic provisioning, scaling, maintenance, monitoring, backup, and recovery of the database.

A Cloud Search Service cluster consists of at least 3 and up to 32 nodes.

The following pre-assembled Flavors are available to the customer via the Open Telekom Cloud self-service portal (console) for using the Cloud Search Service:

Cloud Search Service (type)	vCPU (quantity)	RAM	EVS hard disk size
css.medium.8	1	8 GB	40 GB – 640 GB
css.large.8*	2	16 GB	40 GB – 1,280 GB
css.xlarge.2	4	8 GB	40 GB – 800 GB
css.xlarge.4	4	16 GB	40 GB – 1,600 GB
css.xlarge.8	4	32 GB	40 GB – 2,560 GB
css.2xlarge.2	8	16 GB	80 GB – 1,600 GB
css.2xlarge.4	8	32 GB	80 GB – 3,200 GB
css.2xlarge.8	8	64 GB	80 GB – 5,120 GB
css.4xlarge.2	16	32 GB	100 GB – 3,200 GB
css.4xlarge.4	16	64 GB	100 GB – 6,400 GB
css.4xlarge.8	16	128 GB	160 GB – 10,240 GB
css.8xlarge.2	32	64 GB	320 GB – 10,240 GB
css.8xlarge.4	32	128 GB	160 GB – 10,240 GB

\* The service can only be booked on a limited basis.

### 3.2.5 Data Replication Service

The Data Replication Service allows users to do online migration and synchronization of databases in real time. It simplifies the data migration processes and reduces migration efforts.

The customer is provided with operational tools for querying the migration progress, checking migration logs, and comparing migration items.

## 3.3 Storage

### 3.3.1 Object Storage Service

The Object Storage Service is object-based data storage that is offered in the Standard, Warm, and Cold classes. The data storage is reached via an internet link by means of the S3 protocol.

The Object Storage Service allows buckets (containers) and storage objects to be created, and objects to be called up and deleted. The customer can control the access at bucket level. Object Storage Service offers a high scalability.

### 3.3.2 Elastic Volume Service

The Elastic Volume Service is provided in block-level storage capacities. A volume can be adjusted online if supported by the operating system.

The Elastic Volume Service stores identical copies on multiple storage nodes. The data durability rate is 99,9999999 percent.

Up to 32 block storages of the following block storage types may be assigned to each Elastic Cloud Server:

	Common I/O	High I/O	High I/O – Performance optimized*	Ultra-High I/O	Ultra-High I/O – Latency optimized*	Extreme SSD
Max. IOPS per disk	1,000	3,000	3,000	20,000	30,000	128,000
Max. data throughput per disk	40 MB/s	120 MB/s	550 MB/s	320 MB/s	1 GB/s	1 GB/s
Average response time	10-15 ms	6-10 ms	6-10 ms	1-3 ms	1 ms	Sub-milliseconds

\*From 1st of July 2023 onwards the High-IO performance optimized and Ultra-High IO latency optimized disk types will be End-of-Life and not available for usage. Please make sure necessary migrations are done before the date.

### 3.3.3 Volume Backup Service

The Volume Backup Service offers the option of a full backup to restore local system and storage data using the Object Storage Service. A backup is a "snapshot copy" of an Elastic Volume Service. The data backup can be scheduled and carried out across all availability zones.

Because of the extensive feature set, we recommend using the Cloud Backup & Recovery Service. A migration function to the Cloud Backup & Recovery Service can be found in the OTC Console/User Interface under the "Cloud Backup & Recovery" Service.

### 3.3.4 Cloud Server Backup Service

The Cloud Server Backup Service provides the customer with a backup/restore solution for Elastic Cloud Servers. All Elastic Volumes of the Elastic Cloud Server are backed up. The customer is able to configure the execution time of the automated backup as well as the backup's retention period.

Because of the extensive feature set, we recommend using the Cloud Backup & Recovery Service. A migration function to the Cloud Backup & Recovery Service can be found in the OTC Console/User Interface under the "Cloud Backup & Recovery" Service.

### 3.3.5 Scalable File Service

The Scalable File Service (SFS) provides the customer with scalable data storage based on NFSv3 within its Tenant. The customer can choose between five categories:

	SFS*	SFS Turbo Standard	SFS Turbo Standard Enhanced	SFS Turbo Performance	SFS Turbo Performance Enhanced
Volume size	up to 4 PB	500 GB - 32 TB	10 TB - 320 TB	500 GB - 32 TB	10 TB - 320 TB

\* The service is no longer available for new customers and will be soon removed from the offer list.

### 3.3.6 Storage Disaster Recovery Service

The Storage Disaster Recovery Service enables the customer to replicate the Elastic Cloud Server and Elastic Volume Service services between the availability zones via protection groups.

An overview of the supported Elastic Cloud Servers and Elastic Volume Service types can be viewed in the Help Center at <https://docs.otc.t-systems.com/sdrs/>.

### 3.3.7 Cloud Backup and Recovery

The Cloud Backup and Recovery Service provides the customer with a backup/restore solution for Elastic Cloud Server, Elastic Volume Service & SFS Turbo.

The customer can choose whether to back up all or single Elastic Volumes of an Elastic Cloud Server or rather SFS Turbo Shares. The customer is able to configure the execution time of the automated backup as well as the backup's retention period. The backup of SFS Turbo shares can then be used to create a new Scalable File Service Turbo share. A direct restore is not available.

## 3.4 Network

### 3.4.1 Virtual Private Cloud

One or more Virtual Private Clouds are available to the customer. Communication takes place only within the respective Tenant.

A Virtual Private Cloud is a virtual network environment, including the IP address areas, partial networks, virtual routers, SNAT, security groups, and firewall access authorization lists (ACL policy). The customer is provided with a VPN gateway on an IP-Sec basis for the connection with its corporate network.

#### 3.4.1.1 VPC Flow log

The VPC Flow log function enables network traffic from and to the virtual network card to be logged by Elastic Cloud Servers Flavors s2, c3, and m3. The logs created are transmitted to the Log Tank Service and stored there centrally. The logs can be filtered and analyzed there.

### 3.4.2 Elastic IP

Elastic IP provides public IP addresses for an instance (e.g., ECS or ELB). Via a virtual network map, the static public IP address enables a connection between the customer resources in the Open Telekom Cloud and the internet.

Elastic IP supports any data traffic via the UDP, TCP, and ICMP protocols for both inbound and outbound internet connections. The Mail BGP elastic IP type can be used for outbound SMTP connections via port 25. For security reasons (protection against SPAM blacklists), outbound SMTP connections are activated via ports 465 and 587 on the central firewall exclusively to the Secure Mail Gateway Service of the Open Telekom Cloud.

### 3.4.3 Elastic Load Balancer

The Elastic Load Balancer distributes the network load to several Elastic Cloud Servers. The service can interact with the Auto Scaling function.

The following Elastic Load Balancer variants are available:

- a. Shared Elastic Load Balancer
- b. Dedicated Elastic Load Balancer
  1. Application load balancing (layer 7)
  2. Network load balancing (layer 4)

The resources of the Dedicated Elastic Load Balancer are provided dedicatedly per instance. The customer has the possibility to distribute a Dedicated Elastic Load Balancer across up to three Availability Zones.

### 3.4.4 Domain Name Service

The Domain Name Service resolves a domain name to an elastic IP address. The customer can configure DNS zones and DNS zone records for internal as well as external communications.

### 3.4.5 Direct Connect

In combination with the Private Link Access Service, the Direct Connect Service enables the customer data center to be connected to the Open Telekom Cloud.

### 3.4.6 Private Link Access Service

The Private Link Access Service enables the establishment of a private connection between the customer network and the Open Telekom Cloud.

The following connection options are available for connecting the customer site to the Private Link Access Services, which are to be provided by the customer:

- a Layer 2 connection via a Telekom-based EthernetConnect connection:
  - EthernetConnect Redundant
  - EthernetConnect Light
  - Secure Cloud Connect
- a Layer 3 connection via a Telekom-based IntraSelect Cloud Connect connection
- a connection to the Equinix Cloud Exchange

### 3.4.7 Secure Mail Gateway

The Secure Mail Gateway Service enables customers to send emails through applications hosted in the Open Telekom cloud. Telekom reserves the right to limit the number of emails to 100 emails/minute.

### 3.4.8 NAT Gateway

The NAT Gateway Service offers the possibility of establishing connections between instances of a subnet and the internet via a shared Elastic IP, without, conversely, access from the internet to the respective instances being possible. The following NAT gateway types are available to the customer for selection:

NAT gateway (type)	Maximum number of SNAT connections	Maximum number of SNAT connections per second
Small	10,000	1,000
Medium	50,000	5,000
Large	200,000	10,000
Extra large	1,000,000	30,000

### 3.4.9 VPC Endpoint

The VPC Endpoint enables a private connection to be established between the Virtual Private Cloud and VPC Endpoint services, without an elastic IP, NAT gateway, VPN connection, or PLAS connection being required. An overview of the supported services can be viewed in the Help Center at <https://docs.otc.t-systems.com/>.

## 3.5 Management & Application

### 3.5.1 Cloud Eye

Cloud Eye analyzes the status of customer resources in real time and has monitoring and alert functions. The customer can collect, store, and evaluate performance data on its resources by using guidelines. A dashboard enables the customer to display the number of indicators.

### 3.5.2 Cloud Trace Service

The Cloud Trace Service offers the customer monitoring functions via tracker of resources selected by the customer.

A search/display function presents the results of the trackers. Tracker results are saved in the Object Storage Service. The results of the last seven days can be viewed in the self-service portal (console) or all saved results can be downloaded as a report.

### 3.5.3 Simple Message Notification

Simple Message Notification is a scalable and event-driven notification service that can be used independently but also in combination with the Cloud Eye, Cloud Trace Service, and AntiDDoS features.

With Simple Message Notification, the customer can define topics, using self-defined guidelines and send these topics manually or automatically via email, text message, or HTTP/HTTPS to a pre-defined group, known as subscribers.

### 3.5.4 Distributed Message Service – Kafka Premium

Using Kafka Premium, the customer can create queues in which messages are held for further processing. Kafka premium instances are fully compatible with open-source Kafka. Kafka premium instances and topics can be accessed using open-source Kafka clients. The number of partitions and replicas for Kafka premium instances can be customized.

The following Kafka Premium types are available to the customer for selection:

Kafka Premium (type)	Bandwidth	Transactions per second
Mini	100 MB/s	up to 100,000
Small	300 MB/s	up to 300,000
Medium	600 MB/s	up to 600,000
High	1,200 MB/s	up to 1,000,000

### 3.5.5 Tag Management Service

The customer can use the Tag Management Service to add metadata to its resources. Tags can be created manually or pre-defined in CSV format. Costs can be assigned to individual tags in the documents accompanying invoices and in the Enterprise Dashboard. An overview of the supported services can be viewed in the Help Center at <https://docs.otc.t-systems.com/>.

### 3.5.6 OpenStack projects

Projects are used to group and isolate OpenStack resources (computing resources, storage resources, and network resources) under one Tenant. A project can be assigned to users as well as to user groups.

### 3.5.7 Resource Template Service

The Resource Template Service implements an orchestration engine to launch multiple composite cloud applications based on templates in the form of text files. The Resource Template Service is based on OpenStack HEAT.

### 3.5.8 Resource Management Service

With the Resource Management Service (RMS) you can centrally manage your cloud resources. It allows to view all tenant resources, their corresponding resource details and relationships.

### 3.5.9 Identity and access management

With Identity and Access Management, users and groups can be created, managed, or deleted and different access rights granted. An identity provider is connected by means of a SAML2 protocol.

### 3.5.10 Log Tank Service

The Log Tank Service offers the customer a Virtual Private Cloud logging function that can be organized by groups and topics. A search/display function presents the logs. The logs created are saved in the Object Storage Service. The logs of the last seven days can be viewed in the self-service portal (console) or all saved results can be downloaded as a report. The Log Tank Service supports the logging and storage of Virtual Private Cloud services.

### 3.5.11 Software Repository for Containers

The Software Repository for Containers offers the customer container image management so container services can be provided. Container images can be managed via the GUI or Docker CLI. The supported operations include upload, download, and removal of container images.

### 3.5.12 Application Operations Management

Application Operations Management offers the customer a resource monitoring and logging function for Cloud Container Engine clusters. A search/display function presents the logs. The logs created are saved in the Object Storage Service. In addition, the service offers event-driven alerts and a visual display of resource capacity utilization.

## 3.6 Disaster recovery capability

The Open Telekom Cloud is equipped with fully redundant components. Through the possibility of ordering resources both in Availability Zone "A" as well as Availability Zone "B" and "C" of the twin core data center, the Open Telekom Cloud provides the prerequisite for implementing D/R concepts in the self-service portal (console).

D/R concepts can be implemented by customers at the application level, by allocating resources in different Availability Zones ("A"/"B"/"C") and configured using application-specific D/R mechanisms. In addition, the customer is provided with Elastic Load Balancers in the Open Telekom Cloud, in order to map D/R tolerance over multiple Elastic Cloud Servers in different availability zones ("A"/"B"/"C").

## 3.7 Cloud Container Engine

The Cloud Container Engine Service offers the possibility of using Docker containers in the Open Telekom Cloud or setting up personal containers. The customer can manage and monitor the containers.

When using the Cloud Container Engine, the Open Telekom Cloud reserves the required computing, storage, and network resources.

The following pre-assembled clusters are available to the customer:

Cloud Container Engine (type)	Maximum number of nodes	High availability
cce.s1.small	50	
cce.s1.medium	200	
cce.s2.small	50	X

Cloud Container Engine (type)	Maximum number of nodes	High availability
cce.s2.medium	200	X
cce.s2.large	1,000	X
cce.s2.xlarge	2,000	X

Elastic Cloud Servers can be used as cluster nodes.

## 3.8 Data analysis

### 3.8.1 MapReduce Service

The MapReduce-Service enables Big Data analyses. The tools included comprise storage capacities and methods as well as analysis functions. The core nodes process data and store process data in HDFS. Task nodes can be used for data processing, they can automatically add or remove rules using auto scaling (scale in and scale out). Clusters can be created, configured, expanded, and searched via a REST API or the self-service portal (console).

The analysis can be monitored and controlled. The MapReduce Service can access data stored in the Object Storage Service.

The following pre-assembled Flavors are available to the customer as a master node:

Elastic Cloud Server Flavor (type)	Hypervisor	vCPU (quantity)	RAM	Local hard disks	Master node	Core node	Task node
c3.xlarge.4.linux.mrs	KVM	4	16 GB	-	X	X	X
c3.2xlarge.2.linux.mrs	KVM	8	16 GB	-	X	X	X
c3.2xlarge.4.linux.mrs	KVM	8	32 GB	-	X	X	X
c3.4xlarge.2.linux.mrs	KVM	16	32 GB	-	X	X	X
c3.4xlarge.4.linux.mrs	KVM	16	64 GB	-	X	X	X
c3.8xlarge.4.linux.mrs	KVM	32	128 GB	-	X	X	X
c3.15xlarge.4.linux.mrs	KVM	60	256 GB	-	X	X	X
d2.xlarge.8.linux.mrs	KVM	4	32 GB	2 x 1.675 TB SAS		X	
d2.2xlarge.8.linux.mrs	KVM	8	64 GB	4 x 1.675 TB SAS		X	
d2.4xlarge.8.linux.mrs	KVM	16	128 GB	8 x 1.675 TB SAS		X	
d2.8xlarge.8.linux.mrs	KVM	32	256 GB	16 x 1.675 TB SAS		X	
m3.2xlarge.8.linux.mrs	KVM	8	64 GB	-	X	X	X

Elastic Cloud Server Flavor (type)	Hypervisor	vCPU (quantity)	RAM	Local hard disks	Master node	Core node	Task node
m3.4xlarge.8.linux.mrs	KVM	16	128 GB	-	X	X	X
m3.8xlarge.8.linux.mrs	KVM	32	256 GB	-	X	X	X
c4.xlarge.4.linux.mrs	KVM	4	16 GB	-	X	X	X
c4.2xlarge.2.linux.mrs	KVM	8	16 GB	-	X	X	X
c4.2xlarge.4.linux.mrs	KVM	8	32 GB	-	X	X	X
c4.4xlarge.2.linux.mrs	KVM	16	32 GB	-	X	X	X
c4.4xlarge.4.linux.mrs	KVM	16	64 GB	-	X	X	X
c4.8xlarge.2.linux.mrs	KVM	32	64 GB	-	X	X	X
c4.8xlarge.4.linux.mrs	KVM	32	128 GB	-	X	X	X
c4.16xlarge.4.linux.mrs	KVM	64	256 GB	-	X	X	X
m4.2xlarge.8.linux.mrs	KVM	8	64 GB	-	X	X	X
m4.4xlarge.8.linux.mrs	KVM	16	128 GB	-	X	X	X
m4.8xlarge.8.linux.mrs	KVM	32	256 GB	-	X	X	X
m4.16xlarge.8.linux.mrs	KVM	64	512 GB	-	X	X	X

The following characteristics apply to the above-mentioned Flavors:

- Hard disk size (system): 40 GB
- Hard disk size (data): Up to 32 TB, except Flavors with local hard disks

### 3.8.2 Data Warehouse Service

The Data Warehouse Service is an online database and optimized to search and analyze large data sets due to the hyperscale architecture. A data warehouse cluster consists of at least 3 nodes and can be extended up to 32 nodes.

The following pre-assembled Flavors are available to the customer:

Data Warehouse Flavor (type)	Hypervisor	vCPU (quantity)	RAM	EVS hard disk size	Local hard disks
dws.m3.xlarge	KVM	4	32 GB	160 GB SSD	-
dws.d2.xlarge	KVM	4	32 GB	-	1,675 TB
dws2.m6.4xlarge.8	KVM	16	128 GB	2 TB SSD	-
dws2.m6.8xlarge.8	KVM	32	256 GB	4 TB SSD	-
dws.d2.15xlarge	KVM	60	540 GB	-	13,400 TB
dws2.m6.16xlarge.8	KVM	64	512 GB	8 TB SSD	-

### 3.8.3 Data Ingestion Service

The Data Ingestion Service is a scalable streaming and big data analysis service capable of capturing and processing large volumes of streaming data and big data on a customer-specific basis. Data sent to it can be stored in the Object Storage Service for offline processing and analysis.

Via a web console or REST-API the customer is able to create/delete/monitor processes. The customer can store data in streams and retrieve data from streams via the REST API or SDK.

The following partition types are available to the customer:

Data Ingestion Service partition (type)	Maximum write capacity per partition	Maximum write processes per partition	Maximum read capacity per partition
Common	1 MB/s	1,000 records/s	2 MB/s
Advanced	5 MB/s	2,000 records/s	10 MB/s

### 3.8.4 ModelArts

ModelArts is an end-to-end development platform for AI developers. The service offers data pre-processing, semi-automatic data identification, distributed training, automated model creation, and model provision in the Open Telekom Cloud.

### 3.8.5 Data Lake Insight

Data Lake Insight (DLI) is a serverless big data query and analysis service fully compatible with Apache Spark and Apache Flink ecosystems. DLI supports SQL statements and Spark applications for heterogeneous data sources, including CloudTable, RDS, DWS, CSS, OBS, custom databases on ECSs, and offline databases.

## 3.9 Security

### 3.9.1 Anti-DDoS

The Anti-DDoS function helps to protect the IP addresses of the Elastic IP Service. Attacks on the customer's network are restricted as soon as a number of connections that it has defined as the threshold value are exceeded.

### 3.9.2 Key Management Service

The Key Management Service makes it possible to encrypt and decrypt the Object Storage Service, Elastic Volume Service and Scalable File Service of the customer and to manage, create, and delete keys. As an alternative to a key generated by the Open Telekom Cloud, the customer can use its own key (Bring Your Own Key). All keys are stored in a hardware security module for protection.

### 3.9.3 Web Application Firewall

The Web Application Firewall monitors, filters, and blocks HTTP and HTTPS-based network traffic to a web server.

The customer can create, manage, configure, and monitor the Web Application Firewall as well as configure/activate different policies and log their activities.

## 3.10 Rights of use, licenses

### 3.10.1 General provisions

Telekom will provide the customer with public images and GPU drivers for sole use on the Open Telekom Cloud platform.

The public images and GPU drivers are billed on a monthly basis for each server based on usage. By using the public images and GPU drivers, the customer accepts the license conditions of the respective manufacturer that are in effect during the contract, as a result of which an agreement will enter into force between the customer and the software manufacturer in question.

As an alternative to Telekom's licenses, customers can also use their own licenses in their own images or with Telekom's public images, if this is permitted under the respective software manufacturer's license conditions (Bring Your Own License). The customer's use of Microsoft licenses is limited to Dedicated Hosts and Bare Metal Hosts.

### 3.10.2 Individual licensing provisions

#### a. Community Linux derivatives based on:

##### (1) Alma Linux

<https://almalinux.org/p/terms-of-service/>

##### (2) CentOS

<https://www.centos.org/legal/>  
<https://www.centos.org/legal/trademarks/>

##### (3) Debian

<https://www.debian.org/legal/licenses/>  
<https://www.debian.org/trademark>

##### (4) EulerOS

<http://developer.huawei.com/ict/en/site-euleros/article/privacy-policy>

##### (5) Fedora

<https://fedoraproject.org/wiki/Legal:Licenses/LicenseAgreement>  
[https://fedoraproject.org/wiki/Legal:Trademark\\_guidelines?rd=Legal/TrademarkGuidelines](https://fedoraproject.org/wiki/Legal:Trademark_guidelines?rd=Legal/TrademarkGuidelines)

(6) openSUSE

<https://en.opensuse.org/openSUSE:License>  
[https://en.opensuse.org/openSUSE:Trademark\\_guidelines](https://en.opensuse.org/openSUSE:Trademark_guidelines)

(7) Rocky Linux

<https://git.rockylinux.org/original/rpms/rocky-release/-/blob/r8/SOURCES/EULA>

b. Ubuntu

<http://www.ubuntu.com/legal/>  
<http://www.ubuntu.com/legal/terms-and-policies/intellectual-property-policy>

c. Oracle Linux

Version 7.x: <https://oss.oracle.com/ol7/EULA>

Version 8.x: <https://oss.oracle.com/ol8/EULA>

d. SUSE Enterprise Linux

<https://www.suse.com/licensing/eula/>

e. Red Hat Enterprise Linux

[http://www.redhat.com/licenses/cloud\\_cssa/Cloud\\_Software\\_Subscription\\_Agreement.pdf](http://www.redhat.com/licenses/cloud_cssa/Cloud_Software_Subscription_Agreement.pdf)

f. Microsoft Windows Server 2012, 2016, 2019 and 2022:

The customer will be granted the time-limited, non-exclusive global right to use the software for its own purposes.

Time-limited, non-exclusive, worldwide sublicensing to third parties is only permissible directly with end customers. If the customer provides Software-as-a-Service services (SaaS services) and thus considerably extends the scope of functions, a reseller may also be interposed. In this case, the reseller absolutely must deal with end customers. The right of sublicensing will expire with the ending of this agreement or the termination of the relevant services from this agreement.

In the event of sublicensing, the customer is obligated to pass on these license conditions to its end customers. The customer will also grant Microsoft a right to audit in order to check that sublicensing conforms to the agreement. On request, the customer shall explicitly name possible resellers to Telekom and Microsoft.

Microsoft refuses any warranty and liability by Microsoft or its suppliers to the extent that is legally permissible for any damage (regardless of direct, indirect, or consequential damage) resulting from the services.

The customer is expressly prohibited from:

1. Removing, changing, and deleting copyrights, logos, or other trademarks that appear in or on the products
2. Reverse engineering, decompiling, or breaking down the products unless this is expressly permitted in accordance with applicable law

3. Contacting Microsoft directly in a support case
4. Downloading and copying the software and storing or using it locally or in a different environment
5. Using the software in "high-risk environments." This comprises, for example, using the software in an application for controlling aircraft and other mass transportation means (for humans), nuclear and chemical plants, or life-sustaining systems.

g. Document Database Service  
<https://console.otc.t-systems.com/newdds/copyrights.html>

h. GPU Flavor (NVIDIA vGPU)  
<https://open-telekom-cloud.com/en/docs-nvidia-eula>

i. Cloud Topology Designer  
<https://www.apache.org/licenses/LICENSE-2.0>

### 3.11 Optional services

The following optional services will be provided for an additional charge and must be ordered separately. Upon request, Telekom will submit a proposal to the customer and provide more detailed descriptions of the following services.

#### 3.11.1 Enterprise Agreement 1.0

Telekom will provide extended services in Enterprise Agreement 1.0 in the following service classes:

Service	Silver	Gold	Platinum
Faster response times	✓	✓	✓
Consulting and administration service	✓	✓	✓
IT architectural consulting		✓	✓
Availability report		✓	✓
Service meetings		✓	✓
Service credits for availability		✓	✓
Dedicated service and delivery management			✓
Improved resolution times			✓
Manager on Duty Service			✓

### 3.11.2 Enterprise Support Agreement 2.0

Telekom will provide extended services in Enterprise Agreement 2.0 in the following service classes:

Service package	Enterprise Support Agreement Basic	Optional Components
Enterprise Dashboard	✓	
Improved response times	✓	
Consulting and administration service	✓	
Service credits		✓
Dedicated Service Delivery Management		✓
Service Delivery Manager on Duty		✓
Improved resolution times		✓

### 3.11.3 Mobile Storage Solution

With the Mobile Storage Solution, the customer can migrate up to 100 TB of data per transfer process and NAS device offline into the Open Telekom Cloud.\*

\*The MSS is currently not available and cannot be ordered due to technical issues.

### 3.11.4 EthernetConnect & IntraSelect & Equinix Cloud Exchange

Telekom will provide the customer with a Telekom EthernetConnect (layer 2), IntraSelect Cloud Connect (layer 3), and/or Equinix Cloud Exchange connection for the Private Link Access Service. Ordering is possible via the following options:

- a. by email to: [service@open-telekom-cloud.com](mailto:service@open-telekom-cloud.com)
- b. or by phone
  - within Germany: 0800 330 4477
  - all other countries: +800 330 44770

### 3.11.5 Open Telekom Cloud Hybrid

With Open Telekom Cloud Hybrid, Telekom is extending the existing Open Telekom Cloud public services for customers by providing a private, dedicated instance.

### 3.11.6 Enterprise Dashboard

With the Enterprise Dashboard, the customer receives an overview of the technical resources used by it and their costs in a separate portal. Based on the threshold values, which can be configured by the

customer, a notification can be made by email when these thresholds are reached or exceeded. The self-service portal offers pre-defined diagrams as well as diagrams that can be defined by the customer. An export can be produced in CSV format and via API.

Three versions of the Enterprise Dashboard are available:

Feature / Variant	Small	Medium	Large
Daily Consumption	✓	✓	✓
Pre-configured Dashboard Views	✓	✓	✓
Custom Dashboard	✓	✓	✓
API Access	✓	✓	✓
Alerts	✓	✓	✓
API Calls Free of Charge		✓	✓
Support of multiple Open Telekom Cloud tenants		✓	✓
Organization Management			✓

### 3.11.7 Sending invoices

Telekom will send the customer a monthly invoice for each contract (tenant) by email or post to the invoice email or address given by the customer.

The customer will get an individual connection overview in CSV format in MyWorkplace, which contains the daily use of the Open Telekom Cloud resources in machine-readable form.

## 3.12 Preview and beta versions

### 3.12.1 Special conditions for preview and beta versions

The following preview and beta versions are available for testing purposes only and are intended to test the customer's requirements for later live operation and to improve performance. By testing the services for test purposes, the customer agrees, upon request by Telekom, to exchange information on improvements to the services and, if applicable, to complete the evaluation form sent by Telekom.

If Telekom does not activate the preview and beta versions for all users, use of these versions can be activated by submitting a request to the Service Desk.

With regard to the preview and beta versions, the following special provisions apply:

- As these services are for test purposes, they are not suitable for live environments. Telekom advises against such use. If the customer nevertheless uses the services in a live environment rather than using test data only, this will be under the customer's sole responsibility. In particular, Telekom will accept no liability for loss or damage incurred by the customer from loss of the customer's data
- Telekom will be entitled at all times to suspend or change services for test purposes or to restrict the customer's access to these services, without specifying reasons.

- Service levels and minimum availabilities do not apply to services for test purposes.
- Telekom guarantees preview and beta versions with the described features. Since these are services for test purposes, it is necessary to expect that services may be restricted. Telekom endeavors to keep these restrictions to a minimum, to rectify service interruptions as far as possible, and to constantly optimize the test operation. With the exception of liability for damages to the agreed extent, further rights do not exist.

### 3.12.2 Management & Application

#### 3.12.2.1 Cloud Topology Designer

The Cloud Topology Designer enables the customer to design and operate applications. The Cloud Topology Designer stores designs and configuration data directly in the Open Telekom Cloud. The resulting applications can be used in a whole range of public clouds and virtualization solutions as part of a multi-cloud approach. It can be accessed via <https://designer.otc-service.com/>.

### 3.12.3 Image Management

#### 3.12.3.1 Public Images

##### a. Ubuntu

- `Standard_Ubuntu_20.04_AI_Frameworks_Preview_latest/prev`

### 3.12.4 Cloud Container Engine Turbo

Like the Cloud Container Engine Service, the Cloud Container Engine Turbo Service offers the possibility of using containers in the Open Telekom Cloud or setting up own containers. The customer can manage and monitor the containers.

When using the Cloud Container Engine Turbo, the Open Telekom Cloud reserves the required computing, storage, and network resources.

Improved handling of computing, passthrough networking, security, reliability, and intelligent scheduling are provided compared to the existing Cloud Container Engine Service.

### 3.12.5 Web Application Firewall (Dedicated)

The Web Application Firewall monitors, filters, and blocks HTTP and HTTPS-based network traffic to a web server.

The customer can create, manage, configure, and monitor the Web Application Firewall as well as configure/activate different policies and log their activities.

The resources of the Dedicated Web Application Firewall are provided dedicatedly per instance. The customer has the possibility to distribute a Dedicated Web Application Firewall across up to three Availability Zones.

## 4 Service levels

### 4.1 Service transfer point

Telekom's responsibility ends at the service transfer point. The service transfer point is the data center's point of entry to the internet.

### 4.2 Platform (IaaS level) availability

Availability of the Open Telekom Cloud components at the service transfer point is 99.95% per calendar month, calculated as follows:

$$\frac{(\text{Total service minutes}) - (\text{Total downtime minutes})}{\text{Total service minutes}}$$

It is displayed as a percentage (availability percentage). This means:

Open Telekom Cloud components – Elastic Cloud Server, Object Storage Service, and Elastic Volume Service

Total service minutes – the total number of calendar month minutes (calculation: 60 minutes multiplied by 24 hours times the number of calendar days in the month)

Total downtime minutes – the number of minutes within a calendar month during which a given Open Telekom Cloud component is not available, less the excused events in minutes

In all other respects, there is no minimum availability. However, Telekom always strives to avoid service restrictions.

### 4.3 Excused events

Excused events are:

- a. The Open Telekom Cloud component is available in one of the availability zones, or
- b. The customer can use an alternative instance, or.
- c. Downtime that was caused by maintenance work or changes, or
- d. Incidents, downtimes, and problems that are attributable to the customer, its employees, or representatives, or
- e. Downtimes that can be traced back to third-party action (e.g., DDoS attacks).

Times for excused events are not considered downtime and are therefore not taken into account when calculating availability. The existence of one excused event is sufficient.

## 4.4 Customer support (Service Desk)

Tickets can be reported in German and English on a 24/7 basis. The following options are available:

- a. by email to: [service@open-telekom-cloud.com](mailto:service@open-telekom-cloud.com)
- b. or by phone
  - within Germany: 0800 330 4477
  - all other countries: +800 330 44770

After receipt of a message, Telekom creates a ticket, classifies and processes it.

Telekom classifies and processes the customer's report according to the following criticality levels:

- Critical events are processed Monday through Sunday, 24 hours per day (CET/CEST)
- Non-critical events are processed Monday through Friday, 8:00 a.m. to 5:00 p.m. (CET/CEST)
- Support requests are processed Monday through Friday, 8:00 a.m. to 5:00 p.m. (CET/CEST)

Critical events are incidents that have an impact on the availability of an Open Telekom Cloud component. Non-critical events cover all other incidents. Support requests include quote adjustments and general queries about the Open Telekom Cloud.

The following times apply to the processing of tickets:

Service parameters	Value
Response time <sup>1</sup>	4 hours
Resolution times	Best Effort

<sup>1</sup>Maximum time span between the receipt of the incident report and the commencement of the troubleshooting work.

The customer receives status reports for processing by email. If necessary, the Service Desk will contact the customer by telephone to clarify any questions. Telekom sends the customer an email when processing is complete.

## 4.5 Maintenance work

The Open Telekom Cloud has a fully redundant design so that maintenance work on the platform does not generally lead to disruptions and therefore does not have to be announced in advance.

Telekom will notify the customer of any disruptions caused by maintenance work. Telekom strives to keep impairments caused by maintenance work to a minimum.

Maintenance work is not considered downtime and is therefore not taken into account when calculating availability.

## 5 The customer's duties to cooperate

The customer undertakes to cooperate in order to ensure provision of the required services; in particular, the customer is obliged to provide the following free-of-charge, on-time, and to the required extent:

- a. The customer is obliged to back up its data at adequate intervals and in a suitable form so that it can be recovered at reasonable cost. Telekom does not back up data.
- b. The customer is obliged to protect the operating systems and other applications it manages against misuse and keep them free from malware and constantly up-to-date (e.g., by importing up-to-date security patches, using anti-virus scanners, and an appropriate configuration of the virtual firewall).
- c. The customer is responsible for the usage of the resources provided for it, and for its capacity management. The customer will take responsibility for ordering any necessary capacity expansions/reductions.
- d. The customer must provide all necessary usage rights and software licenses unless these have to be provided by Telekom due to a written agreement. This applies, in particular, to the customer's own software products and their updates/upgrades that the customer uses in connection with the Open Telekom Cloud services.
- e. The Customer assures that it will not store any content on the contractual storage space, use it, or make it available in any other way, if it contains malicious code or other malware and/or if the provision, publication, transfer, or use of such content violates applicable laws or third-party rights – this applies in particular to defamatory, hatred-inciting, or extreme right-wing content.
- f. The customer is not permitted to use the service for sending mass emails (SPAM).
- g. The customer is responsible for checking whether the data transferred by them to Telekom in connection with the use of the service is personal data and whether processing this personal data is permissible. If the customer wishes personal data to be processed, the customer will sign an agreement on the processing of personal data based on the Telekom sample agreement, which Telekom will provide to the customer upon request.
- h. The customer declares that it agrees to exchange unencrypted information by email and will always provide a current email address. The customer is aware that essential information for service provision, such as access data, information on modifications to the services and the legal conditions, etc., will be sent by email.
- i. The customer is responsible for obtaining the monthly invoice from the myWorkplace portal. If the invoice is to be sent by post, the customer will provide a current invoice address at all times.
- j. The customer must follow and support the incident clearance process.
- k. The customer will name up to two central and qualified contacts for the Service Desk support and ensure the contacts' substitution. The customer will ensure 24/7 availability of the contacts. The nomination will be kept up to date by the customer.
- l. The customer must independently back up all application data by way of a download before the service ends. In order to fulfill legal requirements, Telekom will irrevocably delete all of the customer's data on the service's expiry date. Other ways of transferring data back to the customer may be requested separately and ordered subject to separate remuneration.
- m. The customer will be responsible for checking and complying with any and all legal provisions, laws, regulations, and industry-specific provisions that are relevant and applicable in connection with the use of the service. This particularly also includes compliance with non-disclosure obligations that result from a professional activity, for example.

- n. The customer will ensure that the services are not misused.
- o. The customer is obliged to keep passwords and access data secret, to disclose them to authorized third parties only, or to protect them from unauthorized access and change them when necessary. The customer is to inform Telekom without delay of any suspected disclosure to non-authorized third parties. As far as legally permissible, the customer is responsible for all activities that are carried out via its account or using its access data.
- p. The customer is obliged to ensure that sufficient funds are available in the agreed debit account and, if making payments by credit card, that its credit card details provided upon registration are kept up to date.
- q. The customer will ensure that its use of the service does not cause any risk or impairment to third parties or to Telekom's infrastructure. In the event of such risk or incident (e.g., due to a DDoS attack), Telekom will be entitled to deactivate the service concerned, without prior notification of the customer, until the risk or incident has been remedied. Any resulting downtime is not taken into account when calculating availability. Telekom will keep the customer informed.
- r. The customer will provide Telekom with all necessary information for provision of the service, in particular a valid postal address. The customer will ensure its details are full and accurate, and will always keep its details up to date. Should it be suspected that the customer is not fully complying with this duty, or that the customer has been the victim of a third-party attack, or the customer is not fulfilling its obligations, Telekom will be entitled to reduce or block the customer's services at the customer's own expense. In this case, the Customer will still be required to pay the agreed charges. Any resulting downtime is not taken into account when calculating availability. Telekom will keep the customer informed.
- s. The customer has the possibility to test the security of his services and in this context to perform security tests against his instances/resources on the Open Telekom Cloud. The customer agrees to comply with the guidelines for [security tests](#) (penetration tests) on the Open Telekom Cloud and an authorization granted by Telekom.
- t. Duties to cooperate with Direct Connect Service and Private Link Access Service  
To use the services, the customer must provide an IntraSelect or EthernetConnect line from Telekom in advance, which must be ordered separately from the Telekom sales team.
- u. The customer will inform the Service Desk without delay if it is unable to provide a cooperative service as agreed or if circumstances arise that make it difficult or impossible for Telekom to provide the services.

## 6 Prices

### 6.1 Method for calculating charges

If billable services are provided, Telekom will issue an invoice to the customer on a monthly basis. The invoice will be sent to the customer by email and a copy will be placed on the myWorkplace portal. The payment due date will be based on the date on which the invoice is placed on the myWorkplace portal or the date on which the customer receives the invoice, whichever is earlier.

All prices are exclusive of the taxes and duties applicable at the time of delivery and performance.

An explanation with examples of the calculation of charges can be viewed at <https://open-telekom-cloud.com/preismodelle>.

#### 6.1.1 Computing

##### Open Elastic

Billing of the computing services in the standard price model is based on per-second consumption.

##### Reserved/Reserved Upfront

If a minimum order volume is agreed, computing services can be obtained via a fixed provision time of 12, 24, or 36 months. The charges and computing services are firmly agreed for the term selected and there will not be any adjustments.

When the agreed provision period has ended, the services will be billed in accordance with the Open Elastic model. Any services beyond the minimum order volume will be billed in accordance with the Open Elastic model.

- Reserved: invoices will be issued on a monthly basis. Within the entire term, the customer can switch to the next highest Flavor or reserved class .
- Reserved Upfront: invoices will be issued in the first month after provision for the entire term. It is not possible to switch packages.

Reserved services can be ordered via the eShop at <https://open-telekom-cloud.com/> or via Telekom Sales.

## Flavor and host specific characteristics

The following Elastic Cloud Server Flavors with local disks/hardware pass-through, Bare Metal hosts and Dedicated Hosts are also charged in the shutdown or allocated state:

Elastic Cloud Server Disk intensive II	Elastic Cloud Server GPU accelerated	Elastic Cloud Server High performance II	Bare Metal Service	Dedicated Host
d2.xlarge.8	p1.2xlarge.8	h2.3xlarge.10	All types of hosts	All types of hosts
d2.2xlarge.8	p1.4xlarge.8	h2.3xlarge.20		
d2.4xlarge.8	p1.8xlarge.8	h1.8xlarge.8		
d2.6xlarge.8	p2.2xlarge.8			
d2.8xlarge.8	p2.4xlarge.8			
d2.15xlarge.8	p2.8xlarge.8			

## Image Management Service

If private images are stored, the storage space used for an image will be charged for in accordance with the Object Storage Service, Standard Object Storage Space type. Charges will not be made for management, image retrieval, requests, and outbound traffic.

### 6.1.2 Storage

Average consumption during a calendar month is used when calculating storage. Usage periods under a calendar month are billed by the hour. The size of the storage service used is multiplied by the usage period and divided by the total number of hours of the respective calendar month.

#### a. Object Storage Service

The billing for the Object Storage Service is based on a cumulative graduated price, which means that the price scales are filled up one after the other and the used storage quantity is billed in accordance with the respective scale. In addition, any outgoing traffic is charged.

If data is deleted or moved from the warm or cold object storage before the minimum term has ended, an early deletion fee will be charged. This depends on the object storage type, the minimum storage time shortfall, and the file size. With warm object storage, the minimum term is 30 days; for cold object storage, the minimum storage period is 90 days. The difference between the storage period and the minimum storage period is invoiced when the file is deleted or moved.

#### b. Elastic Volume Service/Scalable File Service Turbo

The basis of billing for Elastic Volume Service and Scalable File Service Turbo is the average GB of storage provisioned per month.

#### c. Storage Disaster Recovery Service

During initialization, all Elastic Cloud Servers within a Protection Group are started up and billed for approx. one hour. The D/R instances automatically shut down again after initialization. The Elastic Volume Service is billed for the D/R instance on a per-use basis.

### 6.1.3 Dedicated Elastic Load Balancer

The Dedicated Elastic Load Balancer is offered in two specifications (Application load balancing (Layer 7) and Network load balancing (Layer 4)), each selected specification is billed separately.

## 6.2 Computing

### 6.2.1 Elastic Cloud Server

#### 6.2.1.1 General purpose – s2

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
General purpose – s2.medium.1	Open Linux	0,01498	n/a	8	n/a	6,75	n/a	n/a	n/a	84,7	n/a	146,93	n/a	n/a	n/a
	Oracle Linux	0,0535	n/a	37,73	n/a	36,83	n/a	n/a	n/a	438	n/a	837	n/a	n/a	n/a
	RHEL	0,06206	n/a	43,87	n/a	42,81	n/a	n/a	n/a	509	n/a	973	n/a	n/a	n/a
	SUSE	0,06313	n/a	41,34	n/a	40,05	n/a	n/a	n/a	463	n/a	880	n/a	n/a	n/a
	SUSE for SAP	0,25038	n/a	176	n/a	168,3	n/a	n/a	n/a	2089	n/a	3839	n/a	n/a	n/a
	Windows	0,065516	n/a	44,9	n/a	43,97	n/a	n/a	n/a	528	n/a	1012	n/a	n/a	n/a
General purpose – s2.large.1	Open Linux	0,09523	n/a	43,53	n/a	37,5	n/a	n/a	n/a	485	n/a	882	n/a	n/a	n/a
	Oracle Linux	0,127495	n/a	66,27	n/a	59,65	n/a	n/a	n/a	751	n/a	1414	n/a	n/a	n/a
	RHEL	0,15087	n/a	88,42	n/a	81,81	n/a	n/a	n/a	1017	n/a	1946	n/a	n/a	n/a
	SUSE	0,18725	n/a	68,49	n/a	59,65	n/a	n/a	n/a	778	n/a	1414	n/a	n/a	n/a
	SUSE for SAP	0,33063	n/a	231	n/a	219	n/a	n/a	n/a	2749	n/a	5159	n/a	n/a	n/a
	Windows	0,173025	n/a	100,44	n/a	93,82	n/a	n/a	n/a	1161	n/a	2234	n/a	n/a	n/a
General purpose – s2.xlarge.1	Open Linux	0,195951	n/a	88,23	n/a	75	n/a	n/a	n/a	971	n/a	1765	n/a	n/a	n/a
	Oracle Linux	0,22042	n/a	110,39	n/a	97,15	n/a	n/a	n/a	1236	n/a	2296	n/a	n/a	n/a
	RHEL	0,25499	n/a	132,54	n/a	119,3	n/a	n/a	n/a	1502	n/a	2828	n/a	n/a	n/a
	SUSE	0,294348	n/a	112,6	n/a	97,15	n/a	n/a	n/a	1263	n/a	2296	n/a	n/a	n/a
	SUSE for SAP	0,43656	n/a	319	n/a	294	n/a	n/a	n/a	3601	n/a	6587	n/a	n/a	n/a
	Windows	0,346051	n/a	201	n/a	187,64	n/a	n/a	n/a	2322	n/a	4468	n/a	n/a	n/a
General purpose – s2.2xlarge.1	Open Linux	0,391904	n/a	176,47	n/a	150	n/a	n/a	n/a	1941	n/a	3529	n/a	n/a	n/a
	Oracle Linux	0,421423	n/a	198,62	n/a	172,15	n/a	n/a	n/a	2207	n/a	4061	n/a	n/a	n/a
	RHEL	0,50998	n/a	265	n/a	239	n/a	n/a	n/a	3004	n/a	5656	n/a	n/a	n/a
	SUSE	0,48471	n/a	201	n/a	172,15	n/a	n/a	n/a	2234	n/a	4061	n/a	n/a	n/a
	SUSE for SAP	0,63023	n/a	414	n/a	369	n/a	n/a	n/a	4572	n/a	8352	n/a	n/a	n/a
	Windows	0,692102	n/a	402	n/a	375	n/a	n/a	n/a	4645	n/a	8936	n/a	n/a	n/a
General purpose – s2.4xlarge.1	Open Linux	0,783807	n/a	353	n/a	300	n/a	n/a	n/a	3882	n/a	7059	n/a	n/a	n/a
	Oracle Linux	0,813326	n/a	375	n/a	322	n/a	n/a	n/a	4148	n/a	7590	n/a	n/a	n/a
	RHEL	0,901884	n/a	442	n/a	389	n/a	n/a	n/a	4946	n/a	9185	n/a	n/a	n/a
	SUSE	0,882204	n/a	377	n/a	322	n/a	n/a	n/a	4175	n/a	7590	n/a	n/a	n/a
	SUSE for SAP	1,03	n/a	590	n/a	519	n/a	n/a	n/a	6513	n/a	11881	n/a	n/a	n/a
	Windows	1,08	n/a	677	n/a	660	n/a	n/a	n/a	7723	n/a	14409	n/a	n/a	n/a

\*Minimum provision period

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
General purpose – s2.8xlarge.1	Open Linux	1,57	n/a	706	n/a	600	n/a	n/a	n/a	7765	n/a	14117	n/a	n/a	n/a
	Oracle Linux	1,6	n/a	728	n/a	622	n/a	n/a	n/a	8030	n/a	14649	n/a	n/a	n/a
	RHEL	1,69	n/a	794	n/a	689	n/a	n/a	n/a	8828	n/a	16244	n/a	n/a	n/a
	SUSE	1,67	n/a	730	n/a	622	n/a	n/a	n/a	8057	n/a	14649	n/a	n/a	n/a
	SUSE for SAP	2,05	n/a	943	n/a	819	n/a	n/a	n/a	10395	n/a	18940	n/a	n/a	n/a
	Windows	2,77	n/a	1607	n/a	1501	n/a	n/a	n/a	18578	n/a	35745	n/a	n/a	n/a
General purpose – s2.medium.2	Open Linux	0,02247	n/a	11,31	n/a	9,12	n/a	n/a	n/a	120,4	n/a	189,23	n/a	n/a	n/a
	Oracle Linux	0,06527	n/a	44,01	n/a	41,43	n/a	n/a	n/a	507	n/a	953	n/a	n/a	n/a
	RHEL	0,07597	n/a	51,18	n/a	49,15	n/a	n/a	n/a	589	n/a	1108	n/a	n/a	n/a
	SUSE	0,06955	n/a	45,96	n/a	41,43	n/a	n/a	n/a	521	n/a	979	n/a	n/a	n/a
	SUSE for SAP	0,25787	n/a	185,9	n/a	179,3	n/a	n/a	n/a	2222	n/a	4289	n/a	n/a	n/a
	Windows	0,07704	n/a	51,64	n/a	48,24	n/a	n/a	n/a	597	n/a	1112	n/a	n/a	n/a
General purpose – s2.large.2	Open Linux	0,100754	n/a	45,37	n/a	38,56	n/a	n/a	n/a	499	n/a	907	n/a	n/a	n/a
	Oracle Linux	0,130274	n/a	67,52	n/a	60,72	n/a	n/a	n/a	765	n/a	1439	n/a	n/a	n/a
	RHEL	0,15943	n/a	89,67	n/a	82,87	n/a	n/a	n/a	1031	n/a	1971	n/a	n/a	n/a
	SUSE	0,19153	n/a	69,74	n/a	60,72	n/a	n/a	n/a	791	n/a	1439	n/a	n/a	n/a
	SUSE for SAP	0,3424	n/a	248	n/a	241	n/a	n/a	n/a	2915	n/a	5719	n/a	n/a	n/a
	Windows	0,177931	n/a	103,29	n/a	96,48	n/a	n/a	n/a	1194	n/a	2297	n/a	n/a	n/a
General purpose – s2.xlarge.2	Open Linux	0,201508	n/a	90,74	n/a	77,12	n/a	n/a	n/a	998	n/a	1815	n/a	n/a	n/a
	Oracle Linux	0,231027	n/a	112,89	n/a	99,28	n/a	n/a	n/a	1264	n/a	2346	n/a	n/a	n/a
	RHEL	0,260546	n/a	135,04	n/a	121,43	n/a	n/a	n/a	1530	n/a	2878	n/a	n/a	n/a
	SUSE	0,299905	n/a	115,1	n/a	99,28	n/a	n/a	n/a	1291	n/a	2346	n/a	n/a	n/a
	SUSE for SAP	0,44833	n/a	328	n/a	296	n/a	n/a	n/a	3629	n/a	6638	n/a	n/a	n/a
	Windows	0,355864	n/a	207	n/a	192,96	n/a	n/a	n/a	2388	n/a	4595	n/a	n/a	n/a
General purpose – s2.2xlarge.2	Open Linux	0,403017	n/a	181,47	n/a	154,25	n/a	n/a	n/a	1996	n/a	3629	n/a	n/a	n/a
	Oracle Linux	0,432536	n/a	204	n/a	176,4	n/a	n/a	n/a	2262	n/a	4161	n/a	n/a	n/a
	RHEL	0,521093	n/a	270	n/a	243	n/a	n/a	n/a	3060	n/a	5756	n/a	n/a	n/a
	SUSE	0,501414	n/a	206	n/a	176,4	n/a	n/a	n/a	2289	n/a	4161	n/a	n/a	n/a
	SUSE for SAP	0,662865	n/a	419	n/a	373	n/a	n/a	n/a	4627	n/a	8452	n/a	n/a	n/a
	Windows	0,711727	n/a	413	n/a	386	n/a	n/a	n/a	4776	n/a	9190	n/a	n/a	n/a
General purpose – s2.4xlarge.2	Open Linux	0,806033	n/a	363	n/a	308	n/a	n/a	n/a	3992	n/a	7259	n/a	n/a	n/a
	Oracle Linux	0,835552	n/a	385	n/a	331	n/a	n/a	n/a	4258	n/a	7790	n/a	n/a	n/a
	RHEL	0,92411	n/a	452	n/a	397	n/a	n/a	n/a	5056	n/a	9386	n/a	n/a	n/a
	SUSE	0,90443	n/a	387	n/a	331	n/a	n/a	n/a	4285	n/a	7790	n/a	n/a	n/a
	SUSE for SAP	1,07	n/a	600	n/a	528	n/a	n/a	n/a	6623	n/a	12082	n/a	n/a	n/a
	Windows	1,42	n/a	826	n/a	772	n/a	n/a	n/a	9553	n/a	18379	n/a	n/a	n/a

\*Minimum provision period

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
General purpose – s2.8xlarge.2	Open Linux	1,61	n/a	726	n/a	617	n/a	n/a	n/a	7985	n/a	14518	n/a	n/a	n/a
	Oracle Linux	1,64	n/a	748	n/a	639	n/a	n/a	n/a	8251	n/a	15049	n/a	n/a	n/a
	RHEL	1,73	n/a	814	n/a	706	n/a	n/a	n/a	9048	n/a	16644	n/a	n/a	n/a
	SUSE	1,71	n/a	750	n/a	639	n/a	n/a	n/a	8277	n/a	15049	n/a	n/a	n/a
	SUSE for SAP	2,1	n/a	963	n/a	836	n/a	n/a	n/a	10615	n/a	19340	n/a	n/a	n/a
	Windows	2,85	n/a	1653	n/a	1544	n/a	n/a	n/a	19105	n/a	36759	n/a	n/a	n/a
General purpose – s2.medium.4	Open Linux	0,04922	n/a	25,93	n/a	21,68	n/a	n/a	n/a	280	n/a	456	n/a	n/a	n/a
	Oracle Linux	0,082675	n/a	49,28	n/a	46,09	n/a	n/a	n/a	572	n/a	1077	n/a	n/a	n/a
	RHEL	0,10272	n/a	65,8	n/a	61,75	n/a	n/a	n/a	750	n/a	1377	n/a	n/a	n/a
	SUSE	0,11128	n/a	51,49	n/a	46,09	n/a	n/a	n/a	599	n/a	1077	n/a	n/a	n/a
	SUSE for SAP	0,28462	n/a	206	n/a	185,9	n/a	n/a	n/a	2419	n/a	4399	n/a	n/a	n/a
	Windows	0,093872	n/a	57,68	n/a	54,49	n/a	n/a	n/a	673	n/a	1279	n/a	n/a	n/a
General purpose – s2.large.4	Open Linux	0,10593	n/a	54,25	n/a	47,87	n/a	n/a	n/a	613	n/a	1091	n/a	n/a	n/a
	Oracle Linux	0,13583	n/a	76,41	n/a	70,02	n/a	n/a	n/a	879	n/a	1623	n/a	n/a	n/a
	RHEL	0,16264	n/a	98,56	n/a	92,18	n/a	n/a	n/a	1144	n/a	2104	n/a	n/a	n/a
	SUSE	0,20223	n/a	78,62	n/a	70,02	n/a	n/a	n/a	905	n/a	1621	n/a	n/a	n/a
	SUSE for SAP	0,34133	n/a	252	n/a	237	n/a	n/a	n/a	2969	n/a	5566	n/a	n/a	n/a
	Windows	0,187744	n/a	115,37	n/a	108,98	n/a	n/a	n/a	1346	n/a	2487	n/a	n/a	n/a
General purpose – s2.xlarge.4	Open Linux	0,212621	n/a	108,5	n/a	95,74	n/a	n/a	n/a	1225	n/a	2153	n/a	n/a	n/a
	Oracle Linux	0,24214	n/a	130,66	n/a	117,89	n/a	n/a	n/a	1491	n/a	2715	n/a	n/a	n/a
	RHEL	0,271659	n/a	152,81	n/a	140,05	n/a	n/a	n/a	1757	n/a	3246	n/a	n/a	n/a
	SUSE	0,311018	n/a	132,87	n/a	117,89	n/a	n/a	n/a	1518	n/a	2715	n/a	n/a	n/a
	SUSE for SAP	0,45047	n/a	329	n/a	315	n/a	n/a	n/a	3856	n/a	7006	n/a	n/a	n/a
	Windows	0,37549	n/a	231	n/a	218	n/a	n/a	n/a	2692	n/a	5054	n/a	n/a	n/a
General purpose – s2.2xlarge.4	Open Linux	0,425243	n/a	217	n/a	191,48	n/a	n/a	n/a	2451	n/a	4366	n/a	n/a	n/a
	Oracle Linux	0,454762	n/a	239	n/a	214	n/a	n/a	n/a	2717	n/a	4897	n/a	n/a	n/a
	RHEL	0,543319	n/a	306	n/a	280	n/a	n/a	n/a	3514	n/a	6492	n/a	n/a	n/a
	SUSE	0,52364	n/a	241	n/a	214	n/a	n/a	n/a	2743	n/a	4897	n/a	n/a	n/a
	SUSE for SAP	0,69015	n/a	454	n/a	411	n/a	n/a	n/a	5082	n/a	9189	n/a	n/a	n/a
	Windows	0,750978	n/a	461	n/a	436	n/a	n/a	n/a	5384	n/a	10200	n/a	n/a	n/a
General purpose – s2.4xlarge.4	Open Linux	0,850485	n/a	434	n/a	383	n/a	n/a	n/a	4902	n/a	8731	n/a	n/a	n/a
	Oracle Linux	0,880004	n/a	456	n/a	405	n/a	n/a	n/a	5168	n/a	9263	n/a	n/a	n/a
	RHEL	0,968562	n/a	523	n/a	472	n/a	n/a	n/a	5965	n/a	10858	n/a	n/a	n/a
	SUSE	0,948882	n/a	458	n/a	405	n/a	n/a	n/a	5194	n/a	9263	n/a	n/a	n/a
	SUSE for SAP	1,15	n/a	672	n/a	602	n/a	n/a	n/a	7532	n/a	13554	n/a	n/a	n/a
	Windows	1,5	n/a	923	n/a	872	n/a	n/a	n/a	10769	n/a	20465	n/a	n/a	n/a

\*Minimum provision period

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
General purpose – s2.8xlarge.4	Open Linux	1,7	n/a	868	n/a	766	n/a	n/a	n/a	9804	n/a	17463	n/a	n/a	n/a
	Oracle Linux	1,73	n/a	890	n/a	788	n/a	n/a	n/a	10070	n/a	17995	n/a	n/a	n/a
	RHEL	1,82	n/a	957	n/a	855	n/a	n/a	n/a	10867	n/a	19590	n/a	n/a	n/a
	SUSE	1,8	n/a	892	n/a	788	n/a	n/a	n/a	10096	n/a	17995	n/a	n/a	n/a
	SUSE for SAP	2,19	n/a	1106	n/a	985	n/a	n/a	n/a	12434	n/a	22286	n/a	n/a	n/a
	Windows	3	n/a	1846	n/a	1744	n/a	n/a	n/a	21537	n/a	40930	n/a	n/a	n/a
General purpose – s2.medium.8	Open Linux	0,08025	n/a	41,17	n/a	36,33	n/a	n/a	n/a	465	n/a	787	n/a	n/a	n/a
	Oracle Linux	0,106465	n/a	63,32	n/a	58,48	n/a	n/a	n/a	731	n/a	1360	n/a	n/a	n/a
	RHEL	0,13054	n/a	81,18	n/a	66,45	n/a	n/a	n/a	814	n/a	1562	n/a	n/a	n/a
	SUSE	0,13161	n/a	65,54	n/a	58,48	n/a	n/a	n/a	757	n/a	1360	n/a	n/a	n/a
	SUSE for SAP	0,31565	n/a	226	n/a	219	n/a	n/a	n/a	2639	n/a	5169	n/a	n/a	n/a
	Windows	0,137495	n/a	84,48	n/a	71,26	n/a	n/a	n/a	859	n/a	1612	n/a	n/a	n/a
General purpose – s2.large.8	Open Linux	0,12733	n/a	63,8	n/a	60,5	n/a	n/a	n/a	736	n/a	1161	n/a	n/a	n/a
	Oracle Linux	0,14873	n/a	94,42	n/a	87,95	n/a	n/a	n/a	1068	n/a	1880	n/a	n/a	n/a
	RHEL	0,17655	n/a	109,03	n/a	104,8	n/a	n/a	n/a	1242	n/a	2186	n/a	n/a	n/a
	SUSE	0,20544	n/a	106,71	n/a	94,81	n/a	n/a	n/a	1210	n/a	2063	n/a	n/a	n/a
	SUSE for SAP	0,36273	n/a	270	n/a	263	n/a	n/a	n/a	3179	n/a	6269	n/a	n/a	n/a
	Windows	0,284955	n/a	156,95	n/a	138,27	n/a	n/a	n/a	1620	n/a	2789	n/a	n/a	n/a
General purpose – s2.xlarge.8	Open Linux	0,245993	n/a	131,98	n/a	115,74	n/a	n/a	n/a	1518	n/a	2535	n/a	n/a	n/a
	Oracle Linux	0,26643	n/a	154,24	n/a	142,38	n/a	n/a	n/a	1759	n/a	3006	n/a	n/a	n/a
	RHEL	0,30388	n/a	180,75	n/a	175,8	n/a	n/a	n/a	2045	n/a	3495	n/a	n/a	n/a
	SUSE	0,34133	n/a	159,75	n/a	153,04	n/a	n/a	n/a	1830	n/a	3010	n/a	n/a	n/a
	SUSE for SAP	0,481393	n/a	358	n/a	347	n/a	n/a	n/a	4235	n/a	8136	n/a	n/a	n/a
	Windows	0,530399	n/a	282	n/a	274	n/a	n/a	n/a	3274	n/a	5658	n/a	n/a	n/a
General purpose – s2.2xlarge.8	Open Linux	0,491451	n/a	274	n/a	253	n/a	n/a	n/a	3171	n/a	5149	n/a	n/a	n/a
	Oracle Linux	0,54784	n/a	319	n/a	303	n/a	n/a	n/a	3619	n/a	6217	n/a	n/a	n/a
	RHEL	0,63237	n/a	377	n/a	367	n/a	n/a	n/a	4208	n/a	7229	n/a	n/a	n/a
	SUSE	0,60027	n/a	300	n/a	292	n/a	n/a	n/a	3435	n/a	5624	n/a	n/a	n/a
	SUSE for SAP	0,726851	n/a	538	n/a	510	n/a	n/a	n/a	6479	n/a	11449	n/a	n/a	n/a
	Windows	0,942884	n/a	565	n/a	550	n/a	n/a	n/a	6600	n/a	11408	n/a	n/a	n/a
General purpose – s2.4xlarge.8	Open Linux	1,24	n/a	614	n/a	581	n/a	n/a	n/a	7370	n/a	11660	n/a	n/a	n/a
	Oracle Linux	1,32	n/a	660	n/a	596	n/a	n/a	n/a	7480	n/a	12378	n/a	n/a	n/a
	RHEL	1,38	n/a	747	n/a	670	n/a	n/a	n/a	8503	n/a	14355	n/a	n/a	n/a
	SUSE	1,37	n/a	679	n/a	603	n/a	n/a	n/a	7732	n/a	12285	n/a	n/a	n/a
	SUSE for SAP	1,48	n/a	896	n/a	800	n/a	n/a	n/a	10071	n/a	18075	n/a	n/a	n/a
	Windows	2,28	n/a	1295	n/a	1216	n/a	n/a	n/a	14485	n/a	28125	n/a	n/a	n/a

\*Minimum provision period

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
General purpose – s2.8xlarge.8	Open Linux	2,43	n/a	1317	n/a	1162	n/a	n/a	n/a	14856	n/a	25255	n/a	n/a	n/a
	Oracle Linux	2,47	n/a	1340	n/a	1185	n/a	n/a	n/a	15146	n/a	26339	n/a	n/a	n/a
	RHEL	2,57	n/a	1406	n/a	1251	n/a	n/a	n/a	15943	n/a	27436	n/a	n/a	n/a
	SUSE	2,58	n/a	1342	n/a	1185	n/a	n/a	n/a	15172	n/a	25811	n/a	n/a	n/a
	SUSE for SAP	2,66	n/a	1555	n/a	1382	n/a	n/a	n/a	17510	n/a	31328	n/a	n/a	n/a
	Windows	4,04	n/a	2689	n/a	2615	n/a	n/a	n/a	29380	n/a	49946	n/a	n/a	n/a

\*Minimum provision period

### 6.2.1.2 General purpose – s3

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
General purpose – s3.medium.1	Open Linux	0,0161	0,013846	8,51	7,32	7,18	6,17	n/a	n/a	90,09	77,48	156,28	134,4	n/a	n/a
	Oracle Linux	0,0575	0,04945	40,13	34,51	39,17	33,69	n/a	n/a	466	400,76	890	765,4	n/a	n/a
	RHEL	0,0667	0,057362	46,66	40,13	45,54	39,16	n/a	n/a	542	466,12	1035	890,1	n/a	n/a
	SUSE	0,06785	0,058351	43,97	37,81	42,6	36,64	n/a	n/a	492	423,12	936	804,96	n/a	n/a
	SUSE for SAP	0,2691	0,231426	187,2	160,99	179,01	153,95	n/a	n/a	2222	1910,92	4083	3511,38	n/a	n/a
	Windows	0,070415	0,060557	47,76	41,07	46,76	40,21	n/a	n/a	562	483,32	1076	925,36	n/a	n/a
General purpose – s3.large.1	Open Linux	0,10235	0,088021	46,3	39,82	39,89	34,31	n/a	n/a	516	443,76	938	806,68	n/a	n/a
	Oracle Linux	0,137027	0,117843	70,49	60,62	63,45	54,57	n/a	n/a	799	687,14	1504	1293,44	n/a	n/a
	RHEL	0,16215	0,139449	94,05	80,88	87,01	74,83	n/a	n/a	1082	930,52	2069	1779,34	n/a	n/a
	SUSE	0,20125	0,173075	72,84	62,64	63,45	54,57	n/a	n/a	827	711,22	1504	1293,44	n/a	n/a
	SUSE for SAP	0,35535	0,305601	246	211,56	233	200,38	n/a	n/a	2924	2514,64	5487	4718,82	n/a	n/a
	Windows	0,185962	0,159927	106,83	91,87	99,79	85,82	n/a	n/a	1235	1062,1	2376	2043,36	n/a	n/a
General purpose – s3.xlarge.1	Open Linux	0,210602	0,181118	93,85	80,71	79,77	68,6	n/a	n/a	1032	887,52	1877	1614,22	n/a	n/a
	Oracle Linux	0,2369	0,203734	117,41	100,97	103,33	88,86	n/a	n/a	1315	1130,9	2442	2100,12	n/a	n/a
	RHEL	0,274054	0,235686	140,97	121,23	126,9	109,13	n/a	n/a	1598	1374,28	3008	2586,88	n/a	n/a
	SUSE	0,316356	0,272066	119,77	103	103,33	88,86	n/a	n/a	1343	1154,98	2442	2100,12	n/a	n/a
	SUSE for SAP	0,4692	0,403512	339	291,54	313	269,18	n/a	n/a	3830	3293,8	7007	6026,02	n/a	n/a
	Windows	0,371924	0,319855	214	184,04	199,58	171,64	n/a	n/a	2470	2124,2	4752	4086,72	n/a	n/a
General purpose – s3.2xlarge.1	Open Linux	0,421205	0,362236	187,7	161,42	159,54	137,2	n/a	n/a	2065	1775,9	3754	3228,44	n/a	n/a
	Oracle Linux	0,452931	0,389521	211	181,46	183,1	157,47	n/a	n/a	2347	2018,42	4319	3714,34	n/a	n/a
	RHEL	0,54811	0,471375	282	242,52	254	218,44	n/a	n/a	3196	2748,56	6016	5173,76	n/a	n/a
	SUSE	0,52095	0,448017	214	184,04	183,1	157,47	n/a	n/a	2376	2043,36	4319	3714,34	n/a	n/a
	SUSE for SAP	0,67735	0,582521	440	378,4	393	337,98	n/a	n/a	4863	4182,18	8884	7640,24	n/a	n/a
	Windows	0,743848	0,639709	427	367,22	399	343,14	n/a	n/a	4940	4248,4	9505	8174,3	n/a	n/a

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General purpose – s3.4xlarge.1	Open Linux	0,84241	0,724473	375	322,5	319	274,34	n/a	n/a	4129	3550,94	7508	6456,88	n/a	n/a
	Oracle Linux	0,874136	0,751757	399	343,14	343	294,98	n/a	n/a	4412	3794,32	8073	6942,78	n/a	n/a
	RHEL	0,969314	0,83361	470	404,2	413	355,18	n/a	n/a	5260	4523,6	9770	8402,2	n/a	n/a
	SUSE	0,948164	0,815421	401	344,86	343	294,98	n/a	n/a	4440	3818,4	8073	6942,78	n/a	n/a
	SUSE for SAP	1,11	0,9546	628	540,08	552	474,72	n/a	n/a	6927	5957,22	12638	10868,68	n/a	n/a
	Windows	1,16	0,9976	721	620,06	702	603,72	n/a	n/a	8214	7064,04	15326	13180,36	n/a	n/a
General purpose – s3.8xlarge.1	Open Linux	1,68	1,44	751	645,86	638	548,68	n/a	n/a	8259	7102,74	15016	12913,76	n/a	n/a
	Oracle Linux	1,72	1,48	774	665,64	662	569,32	n/a	n/a	8541	7345,26	15581	13399,66	n/a	n/a
	RHEL	1,81	1,56	845	726,7	732	629,52	n/a	n/a	9390	8075,4	17278	14859,08	n/a	n/a
	SUSE	1,79	1,54	777	668,22	662	569,32	n/a	n/a	8570	7370,2	15581	13399,66	n/a	n/a
	SUSE for SAP	2,21	1,9	1003	862,58	871	749,06	n/a	n/a	11057	9509,02	20145	17324,7	n/a	n/a
	Windows	2,98	2,56	1709	1469,74	1597	1373,42	n/a	n/a	19761	16994,46	38020	32697,2	n/a	n/a
General purpose – s3.medium.2	Open Linux	0,02415	0,020769	12,03	10,35	9,7	8,34	n/a	n/a	128,06	110,13	201	172,86	n/a	n/a
	Oracle Linux	0,07015	0,060329	46,81	40,26	44,07	37,9	n/a	n/a	539	463,54	1013	871,18	n/a	n/a
	RHEL	0,08165	0,070219	54,44	46,82	52,28	44,96	n/a	n/a	627	539,22	1178	1013,08	n/a	n/a
	SUSE	0,07475	0,064285	48,88	42,04	44,07	37,9	n/a	n/a	554	476,44	1042	896,12	n/a	n/a
	SUSE for SAP	0,27715	0,238349	197,73	170,05	190,71	164,01	n/a	n/a	2363	2032,18	4562	3923,32	n/a	n/a
	Windows	0,0828	0,071208	54,93	47,24	51,31	44,13	n/a	n/a	635	546,1	1183	1017,38	n/a	n/a
General purpose – s3.large.2	Open Linux	0,108287	0,093127	48,25	41,5	41,02	35,28	n/a	n/a	531	456,66	965	829,9	n/a	n/a
	Oracle Linux	0,140014	0,120412	71,82	61,77	64,58	55,54	n/a	n/a	814	700,04	1531	1316,66	n/a	n/a
	RHEL	0,17135	0,147361	95,38	82,03	88,14	75,8	n/a	n/a	1096	942,56	2096	1802,56	n/a	n/a
	SUSE	0,20585	0,177031	74,17	63,79	64,58	55,54	n/a	n/a	842	724,12	1531	1316,66	n/a	n/a
	SUSE for SAP	0,368	0,31648	263	226,18	256	220,16	n/a	n/a	3101	2666,86	6083	5231,38	n/a	n/a
	Windows	0,191235	0,164462	109,86	94,48	102,62	88,25	n/a	n/a	1270	1092,2	2444	2101,84	n/a	n/a
General purpose – s3.xlarge.2	Open Linux	0,216574	0,186254	96,51	83	82,03	70,55	n/a	n/a	1062	913,32	1930	1659,8	n/a	n/a
	Oracle Linux	0,2483	0,213538	120,07	103,26	105,6	90,82	n/a	n/a	1344	1155,84	2496	2146,56	n/a	n/a
	RHEL	0,280026	0,240822	143,64	123,53	129,16	111,08	n/a	n/a	1627	1399,22	3061	2632,46	n/a	n/a
	SUSE	0,322328	0,277202	122,43	105,29	105,6	90,82	n/a	n/a	1373	1180,78	2496	2146,56	n/a	n/a
	SUSE for SAP	0,48185	0,414391	349	300,14	315	270,9	n/a	n/a	3860	3319,6	7060	6071,6	n/a	n/a
	Windows	0,38247	0,328924	220	189,2	205	176,3	n/a	n/a	2540	2184,4	4887	4202,82	n/a	n/a
General purpose – s3.2xlarge.2	Open Linux	0,433149	0,372508	193,02	166	164,07	141,1	n/a	n/a	2123	1825,78	3860	3319,6	n/a	n/a
	Oracle Linux	0,464875	0,399793	217	186,62	187,63	161,36	n/a	n/a	2406	2069,16	4426	3806,36	n/a	n/a
	RHEL	0,560053	0,481646	287	246,82	258	221,88	n/a	n/a	3254	2798,44	6122	5264,92	n/a	n/a
	SUSE	0,538903	0,463457	219	188,34	187,63	161,36	n/a	n/a	2434	2093,24	4426	3806,36	n/a	n/a
	SUSE for SAP	0,712425	0,612686	446	383,56	397	341,42	n/a	n/a	4921	4232,06	8990	7731,4	n/a	n/a
	Windows	0,76494	0,657848	439	377,54	410	352,6	n/a	n/a	5080	4368,8	9774	8405,64	n/a	n/a

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General purpose – s3.4xlarge.2	Open Linux	0,866297	0,745015	386	331,96	328	282,08	n/a	n/a	4246	3651,56	7721	6640,06	n/a	n/a
	Oracle Linux	0,898024	0,772301	410	352,6	352	302,72	n/a	n/a	4529	3894,94	8286	7125,96	n/a	n/a
	RHEL	0,993202	0,854154	480	412,8	422	362,92	n/a	n/a	5377	4624,22	9983	8585,38	n/a	n/a
	SUSE	0,972051	0,835964	412	354,32	352	302,72	n/a	n/a	4557	3919,02	8286	7125,96	n/a	n/a
	SUSE for SAP	1,15	0,989	639	549,54	561	482,46	n/a	n/a	7044	6057,84	12850	11051	n/a	n/a
	Windows	1,53	1,32	879	755,94	821	706,06	n/a	n/a	10160	8737,6	19549	16812,14	n/a	n/a
General purpose – s3.8xlarge.2	Open Linux	1,73	1,49	772	663,92	656	564,16	n/a	n/a	8493	7303,98	15441	13279,26	n/a	n/a
	Oracle Linux	1,76	1,51	796	684,56	680	584,8	n/a	n/a	8776	7547,36	16007	13766,02	n/a	n/a
	RHEL	1,86	1,6	866	744,76	751	645,86	n/a	n/a	9624	8276,64	17704	15225,44	n/a	n/a
	SUSE	1,84	1,58	798	686,28	680	584,8	n/a	n/a	8804	7571,44	16007	13766,02	n/a	n/a
	SUSE for SAP	2,26	1,94	1025	881,5	889	764,54	n/a	n/a	11291	9710,26	20571	17691,06	n/a	n/a
	Windows	3,06	2,63	1758	1511,88	1642	1412,12	n/a	n/a	20321	17476,06	39098	33624,28	n/a	n/a
General purpose – s3.medium.4	Open Linux	0,0529	0,045494	27,58	23,72	23,06	19,83	n/a	n/a	298	256,28	428	368,08	n/a	n/a
	Oracle Linux	0,088856	0,076416	52,42	45,08	49,02	42,16	n/a	n/a	609	523,74	993	853,98	n/a	n/a
	RHEL	0,1104	0,094944	69,99	60,19	65,68	56,48	n/a	n/a	797	685,42	1465	1259,9	n/a	n/a
	SUSE	0,1196	0,102856	54,77	47,1	49,02	42,16	n/a	n/a	637	547,82	993	853,98	n/a	n/a
	SUSE for SAP	0,3059	0,263074	219	188,34	197,73	170,05	n/a	n/a	2573	2212,78	4679	4023,94	n/a	n/a
	Windows	0,100891	0,086766	61,35	52,76	57,96	49,85	n/a	n/a	716	615,76	1208	1038,88	n/a	n/a
General purpose – s3.large.4	Open Linux	0,11385	0,097911	57,7	49,62	50,92	43,79	n/a	n/a	652	560,72	855	735,3	n/a	n/a
	Oracle Linux	0,145986	0,125548	81,27	69,89	74,48	64,05	n/a	n/a	934	803,24	1421	1222,06	n/a	n/a
	RHEL	0,1748	0,150328	104,83	90,15	98,04	84,31	n/a	n/a	1217	1046,62	1986	1707,96	n/a	n/a
	SUSE	0,21735	0,186921	83,62	71,91	74,48	64,05	n/a	n/a	963	828,18	1421	1222,06	n/a	n/a
	SUSE for SAP	0,36685	0,315491	268	230,48	252	216,72	n/a	n/a	3158	2715,88	5920	5091,2	n/a	n/a
	Windows	0,201781	0,173532	122,71	105,53	115,92	99,69	n/a	n/a	1432	1231,52	2415	2076,9	n/a	n/a
General purpose – s3.xlarge.4	Open Linux	0,228518	0,196525	115,41	99,25	101,83	87,57	n/a	n/a	1303	1120,58	1711	1471,46	n/a	n/a
	Oracle Linux	0,260244	0,22381	138,97	119,51	125,39	107,84	n/a	n/a	1586	1363,96	2276	1957,36	n/a	n/a
	RHEL	0,29197	0,251094	162,54	139,78	148,96	128,11	n/a	n/a	1869	1607,34	2842	2444,12	n/a	n/a
	SUSE	0,334272	0,287474	141,33	121,54	125,39	107,84	n/a	n/a	1614	1388,04	2276	1957,36	n/a	n/a
	SUSE for SAP	0,48415	0,416369	350	301	335	288,1	n/a	n/a	4101	3526,86	6840	5882,4	n/a	n/a
	Windows	0,403564	0,347065	245	210,7	232	199,52	n/a	n/a	2864	2463,04	4831	4154,66	n/a	n/a
General purpose – s3.2xlarge.4	Open Linux	0,457036	0,393051	231	198,66	204	175,44	n/a	n/a	2607	2242,02	3422	2942,92	n/a	n/a
	Oracle Linux	0,488763	0,420336	254	218,44	227	195,22	n/a	n/a	2890	2485,4	3987	3428,82	n/a	n/a
	RHEL	0,583941	0,502189	325	279,5	298	256,28	n/a	n/a	3738	3214,68	5684	4888,24	n/a	n/a
	SUSE	0,56279	0,483999	257	221,02	227	195,22	n/a	n/a	2918	2509,48	3987	3428,82	n/a	n/a
	SUSE for SAP	0,74175	0,637905	483	415,38	437	375,82	n/a	n/a	5405	4648,3	8551	7353,86	n/a	n/a
	Windows	0,807126	0,694128	491	422,26	464	399,04	n/a	n/a	5727	4925,22	9662	8309,32	n/a	n/a

\*Minimum provision period

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
General purpose – s3.4xlarge.4	Open Linux	0,914073	0,786103	462	397,32	407	350,02	n/a	n/a	5214	4484,04	6843	5884,98	n/a	n/a
	Oracle Linux	0,945799	0,813387	485	417,1	431	370,66	n/a	n/a	5497	4727,42	7409	6371,74	n/a	n/a
	RHEL	1,04	0,8944	556	478,16	502	431,72	n/a	n/a	6345	5456,7	9105	7830,3	n/a	n/a
	SUSE	1,02	0,8772	488	419,68	431	370,66	n/a	n/a	5525	4751,5	7409	6371,74	n/a	n/a
	SUSE for SAP	1,24	1,07	714	614,04	640	550,4	n/a	n/a	8012	6890,32	11973	10296,78	n/a	n/a
	Windows	1,61	1,38	982	844,52	927	797,22	n/a	n/a	11454	9850,44	19324	16618,64	n/a	n/a
General purpose – s3.8xlarge.4	Open Linux	1,83	1,57	923	793,78	815	700,9	n/a	n/a	10428	8968,08	13686	11769,96	n/a	n/a
	Oracle Linux	1,86	1,6	947	814,42	838	720,68	n/a	n/a	10710	9210,6	14252	12256,72	n/a	n/a
	RHEL	1,96	1,69	1018	875,48	909	781,74	n/a	n/a	11559	9940,74	15948	13715,28	n/a	n/a
	SUSE	1,93	1,66	949	816,14	838	720,68	n/a	n/a	10739	9235,54	14252	12256,72	n/a	n/a
	SUSE for SAP	2,35	2,02	1176	1011,36	1048	901,28	n/a	n/a	13226	11374,36	18816	16181,76	n/a	n/a
	Windows	3,23	2,78	1963	1688,18	1855	1595,3	n/a	n/a	22908	19700,88	38647	33236,42	n/a	n/a
General purpose – s3.medium.8	Open Linux	0,08625	0,074175	43,79	37,66	38,64	33,23	n/a	n/a	495	425,7	649	558,14	n/a	n/a
	Oracle Linux	0,114425	0,098406	67,35	57,92	62,2	53,49	n/a	n/a	777	668,22	1215	1044,9	n/a	n/a
	RHEL	0,1403	0,120658	86,35	74,26	70,68	60,78	n/a	n/a	866	744,76	1662	1429,32	n/a	n/a
	SUSE	0,14145	0,121647	69,71	59,95	62,2	53,49	n/a	n/a	806	693,16	1215	1044,9	n/a	n/a
	SUSE for SAP	0,33925	0,291755	240	206,4	233	200,38	n/a	n/a	2807	2414,02	5498	4728,28	n/a	n/a
	Windows	0,147775	0,127087	89,86	77,28	75,79	65,18	n/a	n/a	913	785,18	1715	1474,9	n/a	n/a
General purpose – s3.large.8	Open Linux	0,13685	0,117691	67,86	58,36	64,35	55,34	n/a	n/a	783	673,38	1235	1062,1	n/a	n/a
	Oracle Linux	0,15985	0,137471	100,43	86,37	93,54	80,44	n/a	n/a	1136	976,96	1864	1603,04	n/a	n/a
	RHEL	0,18975	0,163185	115,97	99,73	111,47	95,86	n/a	n/a	1321	1136,06	2325	1999,5	n/a	n/a
	SUSE	0,2208	0,189888	113,5	97,61	100,84	86,72	n/a	n/a	1287	1106,82	1864	1603,04	n/a	n/a
	SUSE for SAP	0,38985	0,335271	287	246,82	280	240,8	n/a	n/a	3381	2907,66	6668	5734,48	n/a	n/a
	Windows	0,30626	0,263384	166,94	143,57	147,07	126,48	n/a	n/a	1723	1481,78	2967	2551,62	n/a	n/a
General purpose – s3.xlarge.8	Open Linux	0,264385	0,227371	140,38	120,73	123,11	105,87	n/a	n/a	1615	1388,9	2597	2233,42	n/a	n/a
	Oracle Linux	0,28635	0,246261	164,06	141,09	151,44	130,24	n/a	n/a	1871	1609,06	3162	2719,32	n/a	n/a
	RHEL	0,3266	0,280876	192,25	165,34	186,99	160,81	n/a	n/a	2175	1870,5	3718	3197,48	n/a	n/a
	SUSE	0,36685	0,315491	169,92	146,13	162,78	139,99	n/a	n/a	1946	1673,56	3162	2719,32	n/a	n/a
	SUSE for SAP	0,517385	0,444951	380	326,8	369	317,34	n/a	n/a	4505	3874,3	7726	6644,36	n/a	n/a
	Windows	0,570055	0,490247	300	258	292	251,12	n/a	n/a	3483	2995,38	6018	5175,48	n/a	n/a
General purpose – s3.2xlarge.8	Open Linux	0,528195	0,454248	292	251,12	269	231,34	n/a	n/a	3373	2900,78	5193	4465,98	n/a	n/a
	Oracle Linux	0,5888	0,506368	339	291,54	323	277,78	n/a	n/a	3849	3310,14	5759	4952,74	n/a	n/a
	RHEL	0,67965	0,584499	400	344	390	335,4	n/a	n/a	4476	3849,36	7455	6411,3	n/a	n/a
	SUSE	0,64515	0,554829	319	274,34	311	267,46	n/a	n/a	3653	3141,58	5759	4952,74	n/a	n/a
	SUSE for SAP	0,781195	0,671828	572	491,92	542	466,12	n/a	n/a	6891	5926,26	10323	8877,78	n/a	n/a
	Windows	1,01	0,8686	601	516,86	585	503,1	n/a	n/a	7020	6037,2	12134	10435,24	n/a	n/a

\*Minimum provision period

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
General purpose – s3.4xlarge.8	Open Linux	1,33	1,14	653	561,58	618	531,48	n/a	n/a	7839	6741,54	10386	8931,96	n/a	n/a
	Oracle Linux	1,42	1,22	702	603,72	634	545,24	n/a	n/a	7956	6842,16	10952	9418,72	n/a	n/a
	RHEL	1,48	1,27	795	683,7	712	612,32	n/a	n/a	9044	7777,84	12648	10877,28	n/a	n/a
	SUSE	1,48	1,27	722	620,92	642	552,12	n/a	n/a	8224	7072,64	10952	9418,72	n/a	n/a
	SUSE for SAP	1,59	1,37	953	819,58	851	731,86	n/a	n/a	10711	9211,46	15516	13343,76	n/a	n/a
	Windows	2,45	2,11	1378	1185,08	1293	1111,98	n/a	n/a	15407	13250,02	29329	25222,94	n/a	n/a
General purpose – s3.8xlarge.8	Open Linux	2,61	2,24	1401	1204,86	1236	1062,96	n/a	n/a	15801	13588,86	20773	17864,78	n/a	n/a
	Oracle Linux	2,65	2,28	1425	1225,5	1260	1083,6	n/a	n/a	16109	13853,74	21338	18350,68	n/a	n/a
	RHEL	2,76	2,37	1496	1286,56	1331	1144,66	n/a	n/a	16958	14583,88	23035	19810,1	n/a	n/a
	SUSE	2,77	2,38	1427	1227,22	1260	1083,6	n/a	n/a	16138	13878,68	21338	18350,68	n/a	n/a
	SUSE for SAP	2,86	2,46	1654	1422,44	1470	1264,2	n/a	n/a	18625	16017,5	25902	22275,72	n/a	n/a
	Windows	4,35	3,74	2860	2459,6	2781	2391,66	n/a	n/a	31250	26875	53124	45686,64	n/a	n/a

\*Minimum provision period

### 6.2.1.3 Dedicated general purpose – c3

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
Dedicated general purpose – c3.large.2	Open Linux	0,132252	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	0,161771	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	0,19129	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	0,230649	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	0,370437	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	0,233557	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated general purpose – c3.xlarge.2	Open Linux	0,264504	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	0,294023	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	0,323542	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	0,362901	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	0,502689	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	0,467114	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated general purpose – c3.2xlarge.2	Open Linux	0,529008	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	0,558527	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	0,647085	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	0,627405	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	0,767193	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	0,934228	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

\*Minimum provision period

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
Dedicated general purpose – c3.4xlarge.2	Open Linux	1,06	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	1,09	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	1,18	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	1,16	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	1,3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	1,87	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated general purpose – c3.8xlarge.2	Open Linux	2,12	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	2,15	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	2,23	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	2,21	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	2,35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	3,74	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated general purpose – c3.15xlarge.2	Open Linux	3,99	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	4,02	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	4,11	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	4,09	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	4,23	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	7,05	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated general purpose – c3.large.4	Open Linux	0,145092	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	0,174611	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	0,20413	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	0,243489	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	0,383277	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	0,256233	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated general purpose – c3.xlarge.4	Open Linux	0,290184	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	0,319703	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	0,349222	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	0,388581	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	0,528369	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	0,512465	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated general purpose – c3.2xlarge.4	Open Linux	0,580368	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	0,609887	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	0,698445	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	0,678765	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	0,818553	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	1,02	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

\*Minimum provision period

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
Dedicated general purpose – c3.4xlarge.4	Open Linux	1,16	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	1,19	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	1,28	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	1,26	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	1,4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	2,05	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated general purpose – c3.8xlarge.4	Open Linux	2,32	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	2,35	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	2,44	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	2,42	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	2,56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	4,1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated general purpose – c3.15xlarge.4	Open Linux	4,4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	4,43	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	4,52	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	4,5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	4,64	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	7,78	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated General Purpose Network optimized 1:2 c3n.1.2	Open Linux	0,14832	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	0,181426	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Red Hat	0,214531	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE Linux	0,258672	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE/SAP	0,415444	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	0,261934	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated General Purpose Network optimized 1:2 c3n.xl.2	Open Linux	0,29664	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	0,329746	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Red Hat	0,362851	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE Linux	0,406992	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE/SAP	0,563764	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	0,523866	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated General Purpose Network optimized 1:2 c3n.2xl.2	Open Linux	0,59328	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	0,626386	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Red Hat	0,725702	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE Linux	0,703632	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE/SAP	0,860404	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	1,05	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated General Purpose Network optimized 1:2 c3n.4xl.2	Open Linux	1,19	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	1,22	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Red Hat	1,32	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE Linux	1,3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE/SAP	1,45	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
	Windows	2,1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated General Purpose Network optimized 1:2 c3n.8xl.2	Open Linux	2,37	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	2,41	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Red Hat	2,51	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE Linux	2,48	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE/SAP	2,64	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	4,19	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated General Purpose Network optimized 1:2 c3n.15xl.2	Open Linux	4,48	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	4,51	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Red Hat	4,61	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE Linux	4,59	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE/SAP	4,75	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	7,91	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated General Purpose Network optimized 1:4 c3n.l.4	Open Linux	0,16272	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	0,195826	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Red Hat	0,228931	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE Linux	0,273072	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE/SAP	0,429844	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	0,287364	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated General Purpose Network optimized 1:4 c3n.xl.4	Open Linux	0,32544	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	0,358546	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Red Hat	0,391651	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE Linux	0,435792	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE/SAP	0,592564	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	0,574727	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated General Purpose Network optimized 1:4 c3n.2xl.4	Open Linux	0,65088	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	0,683986	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Red Hat	0,783302	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE Linux	0,761232	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE/SAP	0,918004	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	1,15	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated General Purpose Network optimized 1:4 c3n.4xl.4	Open Linux	1,3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	1,33	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Red Hat	1,43	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE Linux	1,41	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE/SAP	1,57	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	2,3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated General Purpose Network optimized 1:4	Open Linux	2,6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	2,64	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Red Hat	2,74	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE Linux	2,71	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
c3n.8xl.4	SUSE/SAP	2,87	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	4,6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated General Purpose Network optimized 1:4 c3n.15xl.4c3n.8xl.4	Open Linux	4,94	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	4,97	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Red Hat	5,07	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE Linux	5,05	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE/SAP	5,21	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	8,72	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

\*Minimum provision period

### 6.2.1.4 Dedicated general purpose – c4

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
Dedicated general purpose – c4.large.2	Open Linux	0,138432	0,119052	72,63	62,46	64,33	55,32	n/a	n/a	747	642,42	1121	964,06	n/a	n/a
	Oracle Linux	0,169331	0,145625	95,79	82,38	87,49	75,24	n/a	n/a	1025	881,5	1676	1441,36	n/a	n/a
	RHEL	0,200229	0,172197	118,95	102,3	110,65	95,16	n/a	n/a	1303	1120,58	2232	1919,52	n/a	n/a
	SUSE	0,241427	0,207627	98,11	84,37	87,49	75,24	n/a	n/a	1053	905,58	1676	1441,36	n/a	n/a
	SUSE for SAP	0,387747	0,333462	260	223,6	242	208,12	n/a	n/a	2877	2474,22	5157	4435,02	n/a	n/a
	Windows	0,244471	0,210245	152,12	130,82	143,81	123,68	n/a	n/a	1701	1462,86	3028	2604,08	n/a	n/a
Dedicated general purpose – c4.xlarge.2	Open Linux	0,276864	0,238103	145,27	124,93	128,67	110,66	n/a	n/a	1494	1284,84	2241	1927,26	n/a	n/a
	Oracle Linux	0,307763	0,264676	168,43	144,85	151,83	130,57	n/a	n/a	1772	1523,92	2797	2405,42	n/a	n/a
	RHEL	0,338661	0,291248	191,59	164,77	174,99	150,49	n/a	n/a	2050	1763	3353	2883,58	n/a	n/a
	SUSE	0,379859	0,326679	170,74	146,84	151,83	130,57	n/a	n/a	1800	1548	2797	2405,42	n/a	n/a
	SUSE for SAP	0,526179	0,452514	332	285,52	306	263,16	n/a	n/a	3625	3117,5	6278	5399,08	n/a	n/a
	Windows	0,488942	0,42049	304	261,44	288	247,68	n/a	n/a	3402	2925,72	6056	5208,16	n/a	n/a
Dedicated general purpose – c4.2xlarge.2	Open Linux	0,553728	0,476206	291	250,26	257	221,02	n/a	n/a	2988	2569,68	4483	3855,38	n/a	n/a
	Oracle Linux	0,584627	0,502779	314	270,04	280	240,8	n/a	n/a	3266	2808,76	5038	4332,68	n/a	n/a
	RHEL	0,677322	0,582497	383	329,38	350	301	n/a	n/a	4100	3526	6706	5767,16	n/a	n/a
	SUSE	0,656723	0,564782	316	271,76	280	240,8	n/a	n/a	3294	2832,84	5038	4332,68	n/a	n/a
	SUSE for SAP	0,803043	0,690617	477	410,22	435	374,1	n/a	n/a	5119	4402,34	8519	7326,34	n/a	n/a
	Windows	0,977883	0,840979	608	522,88	575	494,5	n/a	n/a	6803	5850,58	12113	10417,18	n/a	n/a
Dedicated general purpose – c4.3xlarge.2	Open Linux	0,830592	0,714309	436	374,96	386	331,96	n/a	n/a	4483	3855,38	6724	5782,64	n/a	n/a
	Oracle Linux	0,861491	0,740882	459	394,74	409	351,74	n/a	n/a	4760	4093,6	7280	6260,8	n/a	n/a
	RHEL	0,954186	0,8206	528	454,08	479	411,94	n/a	n/a	5594	4810,84	8947	7694,42	n/a	n/a
	SUSE	0,933587	0,802885	461	396,46	409	351,74	n/a	n/a	4788	4117,68	7280	6260,8	n/a	n/a
	SUSE for SAP	1,08	0,9288	623	535,78	564	485,04	n/a	n/a	6613	5687,18	10760	9253,6	n/a	n/a

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
	Windows	1,47	1,26	913	785,18	863	742,18	n/a	n/a	10205	8776,3	18169	15625,34	n/a	n/a
Dedicated general purpose – c4.4xlarge.2	Open Linux	1,11	0,9546	581	499,66	515	442,9	n/a	n/a	5977	5140,22	8965	7709,9	n/a	n/a
	Oracle Linux	1,14	0,9804	604	519,44	538	462,68	n/a	n/a	6255	5379,3	9521	8188,06	n/a	n/a
	RHEL	1,23	1,06	674	579,64	607	522,02	n/a	n/a	7088	6095,68	11188	9621,68	n/a	n/a
	SUSE	1,21	1,04	607	522,02	538	462,68	n/a	n/a	6282	5402,52	9521	8188,06	n/a	n/a
	SUSE for SAP	1,36	1,17	768	660,48	692	595,12	n/a	n/a	8107	6972,02	13002	11181,72	n/a	n/a
	Windows	1,96	1,69	1217	1046,62	1151	989,86	n/a	n/a	13607	11702,02	24226	20834,36	n/a	n/a
Dedicated general purpose – c4.6xlarge.2	Open Linux	1,66	1,43	872	749,92	772	663,92	n/a	n/a	8965	7709,9	13448	11565,28	n/a	n/a
	Oracle Linux	1,69	1,45	895	769,7	795	683,7	n/a	n/a	9243	7948,98	14003	12042,58	n/a	n/a
	RHEL	1,78	1,53	964	829,04	865	743,9	n/a	n/a	10077	8666,22	15671	13477,06	n/a	n/a
	SUSE	1,76	1,51	897	771,42	795	683,7	n/a	n/a	9271	7973,06	14003	12042,58	n/a	n/a
	SUSE for SAP	1,91	1,64	1058	909,88	950	817	n/a	n/a	11095	9541,7	17484	15036,24	n/a	n/a
	Windows	2,93	2,52	1825	1569,5	1726	1484,36	n/a	n/a	20410	17552,6	36338	31250,68	n/a	n/a

\*Minimum provision period

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
Dedicated general purpose – c4.8xlarge.2	Open Linux	2,21	1,9	1162	999,32	1029	884,94	n/a	n/a	11953	10279,58	17930	15419,8	n/a	n/a
	Oracle Linux	2,25	1,94	1185	1019,1	1052	904,72	n/a	n/a	12231	10518,66	18486	15897,96	n/a	n/a
	RHEL	2,34	2,01	1255	1079,3	1122	964,92	n/a	n/a	13065	11235,9	20153	17331,58	n/a	n/a
	SUSE	2,32	2	1188	1021,68	1052	904,72	n/a	n/a	12259	10542,74	18486	15897,96	n/a	n/a
	SUSE for SAP	2,46	2,12	1349	1160,14	1207	1038,02	n/a	n/a	14084	12112,24	21967	18891,62	n/a	n/a
	Windows	3,91	3,36	2434	2093,24	2301	1978,86	n/a	n/a	27214	23404,04	48451	41667,86	n/a	n/a
Dedicated general purpose – c4.16xlarge.2	Open Linux	4,43	3,81	2324	1998,64	2059	1770,74	n/a	n/a	23907	20560,02	35860	30839,6	n/a	n/a
	Oracle Linux	4,49	3,86	2371	2039,06	2105	1810,3	n/a	n/a	24463	21038,18	36972	31795,92	n/a	n/a
	RHEL	4,68	4,02	2510	2158,6	2244	1929,84	n/a	n/a	26130	22471,8	40307	34664,02	n/a	n/a
	SUSE	4,64	3,99	2375	2042,5	2105	1810,3	n/a	n/a	24518	21085,48	36972	31795,92	n/a	n/a
	SUSE for SAP	4,93	4,24	2698	2320,28	2414	2076,04	n/a	n/a	28168	24224,48	43933	37782,38	n/a	n/a
	Windows	7,82	6,73	4868	4186,48	4602	3957,72	n/a	n/a	54428	46808,08	96902	83335,72	n/a	n/a
Dedicated general purpose – c4.large.4	Open Linux	0,151872	0,13061	79,69	68,53	70,58	60,7	n/a	n/a	820	705,2	1229	1056,94	n/a	n/a
	Oracle Linux	0,182771	0,157183	102,85	88,45	93,74	80,62	n/a	n/a	1098	944,28	1785	1535,1	n/a	n/a
	RHEL	0,213669	0,183755	126,01	108,37	116,9	100,53	n/a	n/a	1375	1182,5	2341	2013,26	n/a	n/a
	SUSE	0,254867	0,219186	105,16	90,44	93,74	80,62	n/a	n/a	1125	967,5	1785	1535,1	n/a	n/a
	SUSE for SAP	0,401187	0,345021	267	229,62	248	213,28	n/a	n/a	2950	2537	5266	4528,76	n/a	n/a
	Windows	0,268206	0,230657	166,88	143,52	157,78	135,69	n/a	n/a	1866	1604,76	3322	2856,92	n/a	n/a
Dedicated general purpose – c4.xlarge.4	Open Linux	0,303744	0,26122	159,37	137,06	141,16	121,4	n/a	n/a	1639	1409,54	2459	2114,74	n/a	n/a
	Oracle Linux	0,334643	0,287793	182,53	156,98	164,32	141,32	n/a	n/a	1917	1648,62	3015	2592,9	n/a	n/a
	RHEL	0,365541	0,314365	206	177,16	187,48	161,23	n/a	n/a	2195	1887,7	3571	3071,06	n/a	n/a
	SUSE	0,406739	0,349796	184,85	158,97	164,32	141,32	n/a	n/a	1945	1672,7	3015	2592,9	n/a	n/a

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
	SUSE for SAP	0,553059	0,475631	346	297,56	319	274,34	n/a	n/a	3770	3242,2	6495	5585,7	n/a	n/a
	Windows	0,536412	0,461314	334	287,24	316	271,76	n/a	n/a	3732	3209,52	6644	5713,84	n/a	n/a
Dedicated general purpose – c4.2xlarge.4	Open Linux	0,607488	0,52244	319	274,34	282	242,52	n/a	n/a	3278	2819,08	4918	4229,48	n/a	n/a
	Oracle Linux	0,638387	0,549013	342	294,12	305	262,3	n/a	n/a	3556	3058,16	5474	4707,64	n/a	n/a
	RHEL	0,731082	0,628731	411	353,46	375	322,5	n/a	n/a	4390	3775,4	7141	6141,26	n/a	n/a
	SUSE	0,710483	0,611015	344	295,84	305	262,3	n/a	n/a	3584	3082,24	5474	4707,64	n/a	n/a
	SUSE for SAP	0,856803	0,736851	506	435,16	460	395,6	n/a	n/a	5409	4651,74	8954	7700,44	n/a	n/a
	Windows	1,07	0,9202	668	574,48	631	542,66	n/a	n/a	7464	6419,04	13289	11428,54	n/a	n/a
Dedicated general purpose – c4.3xlarge.4	Open Linux	0,911232	0,78366	478	411,08	423	363,78	n/a	n/a	4918	4229,48	7377	6344,22	n/a	n/a
	Oracle Linux	0,942131	0,810233	501	430,86	447	384,42	n/a	n/a	5196	4468,56	7932	6821,52	n/a	n/a
	RHEL	1,03	0,8858	571	491,06	516	443,76	n/a	n/a	6029	5184,94	9600	8256	n/a	n/a
	SUSE	1,01	0,8686	504	433,44	447	384,42	n/a	n/a	5223	4491,78	7932	6821,52	n/a	n/a
	SUSE for SAP	1,16	0,9976	665	571,9	601	516,86	n/a	n/a	7048	6061,28	11413	9815,18	n/a	n/a
	Windows	1,61	1,38	1001	860,86	947	814,42	n/a	n/a	11196	9628,56	19933	17142,38	n/a	n/a

\*Minimum provision period

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
Dedicated general purpose – c4.4xlarge.4	Open Linux	1,21	1,04	637	547,82	565	485,9	n/a	n/a	6557	5639,02	9835	8458,1	n/a	n/a
	Oracle Linux	1,25	1,08	661	568,46	588	505,68	n/a	n/a	6835	5878,1	10391	8936,26	n/a	n/a
	RHEL	1,34	1,15	730	627,8	657	565,02	n/a	n/a	7669	6595,34	12059	10370,74	n/a	n/a
	SUSE	1,32	1,14	663	570,18	588	505,68	n/a	n/a	6863	5902,18	10391	8936,26	n/a	n/a
	SUSE for SAP	1,46	1,26	824	708,64	742	638,12	n/a	n/a	8687	7470,82	13872	11929,92	n/a	n/a
	Windows	2,15	1,85	1335	1148,1	1262	1085,32	n/a	n/a	14928	12838,08	26578	22857,08	n/a	n/a
Dedicated general purpose – c4.6xlarge.4	Open Linux	1,82	1,57	956	822,16	847	728,42	n/a	n/a	9835	8458,1	14753	12687,58	n/a	n/a
	Oracle Linux	1,85	1,59	979	841,94	870	748,2	n/a	n/a	10113	8697,18	15309	13165,74	n/a	n/a
	RHEL	1,95	1,68	1049	902,14	940	808,4	n/a	n/a	10947	9414,42	16977	14600,22	n/a	n/a
	SUSE	1,93	1,66	982	844,52	870	748,2	n/a	n/a	10141	8721,26	15309	13165,74	n/a	n/a
	SUSE for SAP	2,07	1,78	1143	982,98	1024	880,64	n/a	n/a	11966	10290,76	18790	16159,4	n/a	n/a
	Windows	3,22	2,77	2003	1722,58	1893	1627,98	n/a	n/a	22392	19257,12	39866	34284,76	n/a	n/a
Dedicated general purpose – c4.8xlarge.4	Open Linux	2,43	2,09	1275	1096,5	1129	970,94	n/a	n/a	13114	11278,04	19671	16917,06	n/a	n/a
	Oracle Linux	2,46	2,12	1298	1116,28	1152	990,72	n/a	n/a	13392	11517,12	20227	17395,22	n/a	n/a
	RHEL	2,55	2,19	1368	1176,48	1222	1050,92	n/a	n/a	14226	12234,36	21894	18828,84	n/a	n/a
	SUSE	2,53	2,18	1300	1118	1152	990,72	n/a	n/a	13420	11541,2	20227	17395,22	n/a	n/a
	SUSE for SAP	2,68	2,3	1462	1257,32	1307	1124,02	n/a	n/a	15244	13109,84	23707	20388,02	n/a	n/a
	Windows	4,29	3,69	2670	2296,2	2524	2170,64	n/a	n/a	29856	25676,16	53155	45713,3	n/a	n/a
	Open Linux	4,86	4,18	2550	2193	2259	1942,74	n/a	n/a	26228	22556,08	39342	33834,12	n/a	n/a

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
Dedicated general purpose – c4.16xlarge.4	Oracle Linux	4,92	4,23	2596	2232,56	2305	1982,3	n/a	n/a	26784	23034,24	40453	34789,58	n/a	n/a
	RHEL	5,11	4,39	2735	2352,1	2444	2101,84	n/a	n/a	28451	24467,86	43789	37658,54	n/a	n/a
	SUSE	5,07	4,36	2601	2236,86	2305	1982,3	n/a	n/a	26839	23081,54	40453	34789,58	n/a	n/a
	SUSE for SAP	5,36	4,61	2924	2514,64	2614	2248,04	n/a	n/a	30489	26220,54	47415	40776,9	n/a	n/a
	Windows	8,58	7,38	5340	4592,4	5049	4342,14	n/a	n/a	59712	51352,32	106310	91426,6	n/a	n/a

\*Minimum provision period

### 6.2.1.5 Memory optimized II & III & IV

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
Memory optimized II - m2.4xlarge.8	Open Linux	1,5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	1,53	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	1,63	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	1,61	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	3,79	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	3,79	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Memory optimized II - m2.8xlarge.8	Open Linux	2,81	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	2,86	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	2,98	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	2,99	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	3,76	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	4,69	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Memory optimized III - m3.large.8	Open Linux	0,17556	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	0,205907	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	0,236254	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	0,276716	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	0,420423	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	0,310039	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Memory optimized III - m3.xlarge.8	Open Linux	0,35112	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	0,381467	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	0,411814	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	0,452276	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	0,595983	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	0,620078	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Memory optimized III - m3.2xlarge.8	Open Linux	0,70224	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	0,732587	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	0,823627	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	0,803396	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	0,947103	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	1,24	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Memory optimized III - m3.4xlarge.8	Open Linux	1,4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	1,43	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	1,53	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	1,51	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	1,65	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	2,48	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

\*Minimum provision period

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
Memory optimized III - m3.8xlarge.8	Open Linux	2,81	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	2,84	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	2,93	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	2,91	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	3,05	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	4,96	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Memory optimized III - m3.15xlarge.8	Open Linux	5,37	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	5,4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	5,49	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	5,47	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	5,62	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	9,49	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Memory optimized IV - m4.large.8	Open Linux	0,18354	0,157844	93,79	80,66	83,07	71,44	n/a	n/a	965	829,9	1447	1244,42	n/a	n/a
	Oracle Linux	0,215266	0,185129	116,95	100,58	106,23	91,36	n/a	n/a	1243	1068,98	2003	1722,58	n/a	n/a
	RHEL	0,246992	0,212413	140,11	120,49	129,39	111,28	n/a	n/a	1521	1308,06	2559	2200,74	n/a	n/a
	SUSE	0,289294	0,248793	119,27	102,57	106,23	91,36	n/a	n/a	1270	1092,2	2003	1722,58	n/a	n/a
	SUSE for SAP	0,439533	0,377998	281	241,66	261	224,46	n/a	n/a	3095	2661,7	5484	4716,24	n/a	n/a
	Windows	0,324132	0,278754	196,42	168,92	185,7	159,7	n/a	n/a	2196	1888,56	3910	3362,6	n/a	n/a
Memory optimized IV - m4.xlarge.8	Open Linux	0,36708	0,315689	187,58	161,32	166,14	142,88	n/a	n/a	1929	1658,94	2894	2488,84	n/a	n/a
	Oracle Linux	0,398806	0,342973	211	181,46	189,3	162,8	n/a	n/a	2207	1898,02	3450	2967	n/a	n/a
	RHEL	0,430532	0,370258	234	201,24	212	182,32	n/a	n/a	2485	2137,1	4006	3445,16	n/a	n/a
	SUSE	0,472834	0,406637	213	183,18	189,3	162,8	n/a	n/a	2235	1922,1	3450	2967	n/a	n/a
	SUSE for SAP	0,623073	0,535843	374	321,64	344	295,84	n/a	n/a	4060	3491,6	6931	5960,66	n/a	n/a
	Windows	0,648263	0,557506	393	337,98	371	319,06	n/a	n/a	4393	3777,98	7820	6725,2	n/a	n/a
Memory optimized IV - m4.2xlarge.8	Open Linux	0,73416	0,631378	375	322,5	332	285,52	n/a	n/a	3859	3318,74	5788	4977,68	n/a	n/a
	Oracle Linux	0,765886	0,658662	398	342,28	355	305,3	n/a	n/a	4137	3557,82	6344	5455,84	n/a	n/a
	RHEL	0,861065	0,740516	468	402,48	425	365,5	n/a	n/a	4970	4274,2	8011	6889,46	n/a	n/a
	SUSE	0,839914	0,722326	401	344,86	355	305,3	n/a	n/a	2582	2220,52	3933	3382,38	n/a	n/a
	SUSE for SAP	0,990153	0,851532	562	483,32	510	438,6	n/a	n/a	5989	5150,54	9825	8449,5	n/a	n/a
	Windows	1,3	1,12	786	675,96	743	638,98	n/a	n/a	8785	7555,1	15641	13451,26	n/a	n/a
Memory optimized IV - m4.3xlarge.8	Open Linux	1,1	0,946	563	484,18	498	428,28	n/a	n/a	5788	4977,68	8682	7466,52	n/a	n/a
	Oracle Linux	1,13	0,9718	586	503,96	522	448,92	n/a	n/a	6066	5216,76	9238	7944,68	n/a	n/a
	RHEL	1,23	1,06	655	563,3	591	508,26	n/a	n/a	6900	5934	10906	9379,16	n/a	n/a
	SUSE	1,21	1,04	588	505,68	522	448,92	n/a	n/a	5303	4560,58	8033	6908,38	n/a	n/a
	SUSE for SAP	1,36	1,17	750	645	676	581,36	n/a	n/a	7918	6809,48	12719	10938,34	n/a	n/a
	Windows	1,94	1,67	1179	1013,94	1114	958,04	n/a	n/a	13178	11333,08	23461	20176,46	n/a	n/a

\*Minimum provision period

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
Memory optimized IV - m4.4xlarge.8	Open Linux	1,47	1,26	750	645	665	571,9	n/a	n/a	7717	6636,62	11576	9955,36	n/a	n/a
	Oracle Linux	1,5	1,29	773	664,78	688	591,68	n/a	n/a	7995	6875,7	12132	10433,52	n/a	n/a
	RHEL	1,6	1,38	843	724,98	757	651,02	n/a	n/a	8829	7592,94	13800	11868	n/a	n/a
	SUSE	1,57	1,35	776	667,36	688	591,68	n/a	n/a	8023	6899,78	12132	10433,52	n/a	n/a
	SUSE for SAP	1,72	1,48	937	805,82	842	724,12	n/a	n/a	9848	8469,28	15613	13427,18	n/a	n/a
	Windows	2,59	2,23	1571	1351,06	1486	1277,96	n/a	n/a	17570	15110,2	31282	26902,52	n/a	n/a
Memory optimized IV - m4.6large.8	Open Linux	2,2	1,89	1125	967,5	997	857,42	n/a	n/a	11576	9955,36	17364	14933,04	n/a	n/a
	Oracle Linux	2,23	1,92	1149	988,14	1020	877,2	n/a	n/a	11854	10194,44	17920	15411,2	n/a	n/a
	RHEL	2,33	2	1218	1047,48	1089	936,54	n/a	n/a	12688	10911,68	19588	16845,68	n/a	n/a
	SUSE	2,31	1,99	1151	989,86	1020	877,2	n/a	n/a	11882	10218,52	17920	15411,2	n/a	n/a
	SUSE for SAP	2,46	2,12	1312	1128,32	1174	1009,64	n/a	n/a	13707	11788,02	21401	18404,86	n/a	n/a
	Windows	3,89	3,35	2357	2027,02	2228	1916,08	n/a	n/a	26355	22665,3	46922	40352,92	n/a	n/a
Memory optimized IV - m4.8xlarge.8	Open Linux	2,94	2,53	1501	1290,86	1329	1142,94	n/a	n/a	15435	13274,1	23152	19910,72	n/a	n/a
	Oracle Linux	2,97	2,55	1524	1310,64	1352	1162,72	n/a	n/a	15713	13513,18	23708	20388,88	n/a	n/a
	RHEL	3,06	2,63	1593	1369,98	1422	1222,92	n/a	n/a	16547	14230,42	25376	21823,36	n/a	n/a
	SUSE	3,04	2,61	1526	1312,36	1352	1162,72	n/a	n/a	15741	13537,26	23708	20388,88	n/a	n/a
	SUSE for SAP	3,19	2,74	1687	1450,82	1507	1296,02	n/a	n/a	17565	15105,9	27189	23382,54	n/a	n/a
	Windows	5,19	4,46	3143	2702,98	2971	2555,06	n/a	n/a	35140	30220,4	62563	53804,18	n/a	n/a
Memory optimized IV - m4.16xlarge.8	Open Linux	5,87	5,05	3001	2580,86	2658	2285,88	n/a	n/a	30870	26548,2	46305	39822,3	n/a	n/a
	Oracle Linux	5,94	5,11	3048	2621,28	2705	2326,3	n/a	n/a	31426	27026,36	47417	40778,62	n/a	n/a
	RHEL	6,13	5,27	3187	2740,82	2844	2445,84	n/a	n/a	33093	28459,98	50752	43646,72	n/a	n/a
	SUSE	6,08	5,23	3052	2624,72	2705	2326,3	n/a	n/a	31481	27073,66	47417	40778,62	n/a	n/a
	SUSE for SAP	6,39	5,5	3375	2902,5	3013	2591,18	n/a	n/a	35131	30212,66	54378	46765,08	n/a	n/a
	Windows	10,37	8,92	6285	5405,1	5942	5110,12	n/a	n/a	70281	60441,66	125126	107608,36	n/a	n/a

\*Minimum provision period

6.2.1.6 High performance II

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
High performance II h2.3xlarge.10	Open Linux	2,26	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	2,31	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	2,54	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	2,47	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	2,98	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	3,49	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
High performance II h2.3xlarge.20	Open Linux	3,46	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	2,69	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	3,68	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	3,64	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	4,29	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	5,81	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
High performance II hl1.8xlarge.8	Open Linux	6,11	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	6,14	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	6,25	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	6,23	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	7,21	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	10,79	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

\*Minimum provision period

## 6.2.1.7 GPU accelerated (NVIDIA T4 & P100 & V100)

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
GPU accelerated g6.10xlarge7 NVIDIA T4	Open Linux	2,79	n/a	1937	n/a	1551	n/a	n/a	n/a	21287	n/a	30160	n/a	n/a	n/a
	Oracle Linux	2,82	n/a	1955	n/a	1568	n/a	n/a	n/a	21454	n/a	30410	n/a	n/a	n/a
	RHEL	3,03	n/a	2085	n/a	1681	n/a	n/a	n/a	22621	n/a	32161	n/a	n/a	n/a
	SUSE	2,89	n/a	1999	n/a	1605	n/a	n/a	n/a	21843	n/a	30994	n/a	n/a	n/a
	Windows	3,17	n/a	2231	n/a	1845	n/a	n/a	n/a	24813	n/a	35801	n/a	n/a	n/a
GPU accelerated g6.20xlarge7 NVIDIA T4	Open Linux	5,57	n/a	3874	n/a	3103	n/a	n/a	n/a	42574	n/a	60320	n/a	n/a	n/a
	Oracle Linux	5,6	n/a	3892	n/a	3119	n/a	n/a	n/a	42740	n/a	60570	n/a	n/a	n/a
	RHEL	5,81	n/a	4022	n/a	3232	n/a	n/a	n/a	43908	n/a	62321	n/a	n/a	n/a
	SUSE	5,67	n/a	3936	n/a	3157	n/a	n/a	n/a	43129	n/a	61153	n/a	n/a	n/a
	Windows	6,34	n/a	4461	n/a	3690	n/a	n/a	n/a	49625	n/a	71602	n/a	n/a	n/a
GPU accelerated pi2.2xlarge.4 NVIDIA T4	Open Linux	0,722798	0,621606	483	415,38	393	337,98	n/a	n/a	5227	4495,22	7826	6730,36	n/a	n/a
	Oracle Linux	0,753145	0,647705	506	435,16	416	357,76	n/a	n/a	5505	4734,3	8382	7208,52	n/a	n/a
	RHEL	0,844185	0,725999	576	495,36	485	417,1	n/a	n/a	6338	5450,68	10050	8643	n/a	n/a
	SUSE	0,823954	0,7086	560	481,6	470	404,2	n/a	n/a	6153	5291,58	9679	8323,94	n/a	n/a
	SUSE for SAP	0,967661	0,832188	670	576,2	580	498,8	n/a	n/a	7469	6423,34	12311	10587,46	n/a	n/a
	Windows	0,843798	0,725666	576	495,36	485	417,1	n/a	n/a	6335	5448,1	10042	8636,12	n/a	n/a
GPU accelerated pi2.4xlarge.4 NVIDIA T4	Open Linux	1,44	1,24	967	831,62	785	675,1	n/a	n/a	10453	8989,58	15652	13460,72	n/a	n/a
	Oracle Linux	1,47	1,26	990	851,4	808	694,88	n/a	n/a	10731	9228,66	16208	13938,88	n/a	n/a
	RHEL	1,56	1,34	1059	910,74	878	755,08	n/a	n/a	11565	9945,9	17876	15373,36	n/a	n/a
	SUSE	1,55	1,33	1044	897,84	862	741,32	n/a	n/a	11380	9786,8	17505	15054,3	n/a	n/a
	SUSE for SAP	1,69	1,45	1153	991,58	972	835,92	n/a	n/a	12696	10918,56	20137	17317,82	n/a	n/a
	Windows	1,66	1,43	1134	975,24	953	819,58	n/a	n/a	12468	10722,48	19682	16926,52	n/a	n/a
GPU accelerated pi2.8xlarge.4 NVIDIA T4	Open Linux	2,89	2,49	1933	1662,38	1571	1351,06	n/a	n/a	20907	17980,02	31305	26922,3	n/a	n/a
	Oracle Linux	2,93	2,52	1956	1682,16	1594	1370,84	n/a	n/a	21184	18218,24	31860	27399,6	n/a	n/a
	RHEL	3,01	2,59	2026	1742,36	1663	1430,18	n/a	n/a	22018	18935,48	33528	28834,08	n/a	n/a
	SUSE	2,99	2,57	2010	1728,6	1648	1417,28	n/a	n/a	21833	18776,38	33157	28515,02	n/a	n/a
	SUSE for SAP	3,14	2,7	2120	1823,2	1757	1511,02	n/a	n/a	23149	19908,14	35790	30779,4	n/a	n/a
	Windows	2,99	2,57	2227	1915,22	1864	1603,04	n/a	n/a	24432	21011,52	38356	32986,16	n/a	n/a
GPU accelerated pi2.16xlarge.4 NVIDIA T4	Open Linux	n/a	3,641	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	n/a	3,674	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	n/a	3,751	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	n/a	3,729	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	n/a	3,85	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	n/a	3,729	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

\*Minimum provision period

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
GPU accelerated p1.2xlarge.8 NVIDIA P100	Open Linux	2,4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	2,43	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	2,65	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	2,5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	2,86	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
GPU accelerated p1.4xlarge.8 NVIDIA P100	Open Linux	4,81	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	4,84	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	5,05	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	4,91	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	5,73	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
GPU accelerated p1.8xlarge.8 NVIDIA P100	Open Linux	9,61	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	9,65	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	9,86	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	9,72	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	11,45	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
GPU accelerated p2.2xlarge.8 NVIDIA V100	Open Linux	3,58	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	3,61	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	3,82	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	3,68	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	4,04	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
GPU accelerated p2.4xlarge.8 NVIDIA V100	Open Linux	7,16	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	7,19	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	7,4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	7,26	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	8,07	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
GPU accelerated p2.8xlarge.8 NVIDIA V100	Open Linux	14,31	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	14,34	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	14,55	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	14,41	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	16,15	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

\*Minimum provision period

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
GPU accelerated p2v.2xlarge.8 NVIDIA V100	Open Linux	3,11	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	3,14	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	3,36	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	3,21	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	3,57	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
GPU accelerated p2v.4xlarge.8 NVIDIA V100	Open Linux	6,23	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	6,26	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	6,47	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	6,33	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	6,69	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
GPU accelerated p2v.8xlarge.8 NVIDIA V100	Open Linux	12,45	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	12,48	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	12,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	12,55	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	13,37	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
GPU accelerated p2v.16xlarge.8 NVIDIA V100	Open Linux	24,91	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	24,94	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	25,15	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	25,01	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	26,74	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
GPU accelerated p2s.2xlarge.8 NVIDIA V100	Open Linux	3,58	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	3,62	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	3,86	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	3,7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	4,11	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
GPU accelerated p2s.4xlarge.8 NVIDIA V100	Open Linux	7,16	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	7,2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	7,44	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	7,28	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	7,69	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
GPU accelerated p2s.8xlarge.8 NVIDIA V100	Open Linux	14,32	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	14,36	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	14,6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	14,44	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	15,38	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
GPU accelerated p2s.16xlarge.8 NVIDIA V100	Open Linux	28,64	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	28,68	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	28,92	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	28,76	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	30,76	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

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Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
GPU accelerated p3.2xlarge.8 1 x A100	Open Linux	3,57	n/a	2050,00	n/a	1703,00	n/a	n/a	n/a	21847,00	n/a	32.835,00	n/a	n/a	n/a
	Oracle Linux	3,60	n/a	2070,00	n/a	1723,00	n/a	n/a	n/a	22088,00	n/a	33.318,00	n/a	n/a	n/a
	RHEL	3,68	n/a	2130,00	n/a	1784,00	n/a	n/a	n/a	22813,00	n/a	34.768,00	n/a	n/a	n/a
	SUSE	3,66	n/a	2117,00	n/a	1770,00	n/a	n/a	n/a	22652,00	n/a	34.446,00	n/a	n/a	n/a
	Windows	3,79	n/a	2212,00	n/a	1866,00	n/a	n/a	n/a	23797,00	n/a	36.735,00	n/a	n/a	n/a
GPU accelerated p3.4xlarge.8 2 x A100	Open Linux	4,15	n/a	2473,00	n/a	2127,00	n/a	n/a	n/a	26930,00	n/a	43.002,00	n/a	n/a	n/a
	Oracle Linux	7,14	n/a	4099,00	n/a	3406,00	n/a	n/a	n/a	43693,00	n/a	65.670,00	n/a	n/a	n/a
	RHEL	7,17	n/a	4119,00	n/a	3426,00	n/a	n/a	n/a	43935,00	n/a	66.153,00	n/a	n/a	n/a
	SUSE	7,25	n/a	4180,00	n/a	3487,00	n/a	n/a	n/a	44660,00	n/a	67.603,00	n/a	n/a	n/a
	Windows	7,23	n/a	4166,00	n/a	3473,00	n/a	n/a	n/a	44499,00	n/a	67.281,00	n/a	n/a	n/a
GPU accelerated p3.8xlarge.8 4 x A100	Open Linux	7,36	n/a	4262,00	n/a	3568,00	n/a	n/a	n/a	45643,00	n/a	69.570,00	n/a	n/a	n/a
	Oracle Linux	7,72	n/a	4523,00	n/a	3830,00	n/a	n/a	n/a	48777,00	n/a	75.837,00	n/a	n/a	n/a
	RHEL	14,28	n/a	8198,00	n/a	6812,00	n/a	n/a	n/a	87387,00	n/a	131.340,00	n/a	n/a	n/a
	SUSE	14,30	n/a	8218,00	n/a	6832,00	n/a	n/a	n/a	87629,00	n/a	131.823,00	n/a	n/a	n/a
	Windows	14,39	n/a	8279,00	n/a	6893,00	n/a	n/a	n/a	88354,00	n/a	133.273,00	n/a	n/a	n/a
GPU accelerated p3.16xlarge.8 8 x A100	Open Linux	14,37	n/a	8265,00	n/a	6879,00	n/a	n/a	n/a	88193,00	n/a	132.951,00	n/a	n/a	n/a
	Oracle Linux	14,50	n/a	8361,00	n/a	6974,00	n/a	n/a	n/a	89337,00	n/a	135.240,00	n/a	n/a	n/a
	RHEL	14,86	n/a	8622,00	n/a	7236,00	n/a	n/a	n/a	92471,00	n/a	141.507,00	n/a	n/a	n/a
	SUSE	28,55	n/a	16397,00	n/a	13624,00	n/a	n/a	n/a	174774,00	n/a	262.680,00	n/a	n/a	n/a
	Windows	28,58	n/a	16417,00	n/a	13644,00	n/a	n/a	n/a	175016,00	n/a	263.164,00	n/a	n/a	n/a

\*Minimum provision period

### 6.2.1.8 Large memory III

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
Large memory III e3.7xlarge.12	Open Linux	2,24	n/a	1306	n/a	980	n/a	n/a	n/a	14693	n/a	21549	n/a	n/a	n/a
	Oracle Linux	2,27	n/a	1328	n/a	1002	n/a	n/a	n/a	14958	n/a	22081	n/a	n/a	n/a
	RHEL	2,36	n/a	1395	n/a	1068	n/a	n/a	n/a	15756	n/a	23676	n/a	n/a	n/a
	SUSE	2,34	n/a	1380	n/a	1053	n/a	n/a	n/a	15579	n/a	23321	n/a	n/a	n/a
	SUSE for SAP	2,64	n/a	1603	n/a	1277	n/a	n/a	n/a	18258	n/a	28680	n/a	n/a	n/a
	Windows	3,95	n/a	2556	n/a	2230	n/a	n/a	n/a	29698	n/a	51561	n/a	n/a	n/a
Large memory III e3.14xlarge.12	Open Linux	4,47	n/a	2612	n/a	1959	n/a	n/a	n/a	29385	n/a	43098	n/a	n/a	n/a
	Oracle Linux	4,5	n/a	2634	n/a	1981	n/a	n/a	n/a	29651	n/a	43630	n/a	n/a	n/a
	RHEL	4,59	n/a	2701	n/a	2048	n/a	n/a	n/a	30448	n/a	45225	n/a	n/a	n/a
	SUSE	4,57	n/a	2686	n/a	2033	n/a	n/a	n/a	23892	n/a	37701	n/a	n/a	n/a
	SUSE for SAP	4,88	n/a	2909	n/a	2256	n/a	n/a	n/a	32950	n/a	50229	n/a	n/a	n/a
	Windows	7,9	n/a	5113	n/a	4460	n/a	n/a	n/a	59397	n/a	103122	n/a	n/a	n/a
Large memory III e3.26xlarge.14	Open Linux	9,08	n/a	5305	n/a	3979	n/a	n/a	n/a	59686	n/a	87539	n/a	n/a	n/a
	Oracle Linux	9,11	n/a	5328	n/a	4001	n/a	n/a	n/a	59952	n/a	88071	n/a	n/a	n/a
	RHEL	9,21	n/a	5394	n/a	4068	n/a	n/a	n/a	60749	n/a	89666	n/a	n/a	n/a
	SUSE	9,19	n/a	5379	n/a	4053	n/a	n/a	n/a	60572	n/a	89312	n/a	n/a	n/a
	SUSE for SAP	9,49	n/a	5603	n/a	4276	n/a	n/a	n/a	63251	n/a	94670	n/a	n/a	n/a
	Windows	16,04	n/a	10385	n/a	9059	n/a	n/a	n/a	120645	n/a	209458	n/a	n/a	n/a
Large memory III e3.52xlarge.14	Open Linux	18,17	n/a	10611	n/a	7958	n/a	n/a	n/a	119372	n/a	175079	n/a	n/a	n/a
	Oracle Linux	18,2	n/a	10633	n/a	7980	n/a	n/a	n/a	119638	n/a	175611	n/a	n/a	n/a
	RHEL	18,29	n/a	10699	n/a	8047	n/a	n/a	n/a	120435	n/a	177206	n/a	n/a	n/a
	SUSE	18,27	n/a	10685	n/a	8032	n/a	n/a	n/a	95824	n/a	151187	n/a	n/a	n/a
	SUSE for SAP	18,58	n/a	10908	n/a	8255	n/a	n/a	n/a	122937	n/a	182209	n/a	n/a	n/a
	Windows	32,09	n/a	20771	n/a	18118	n/a	n/a	n/a	241290	n/a	418916	n/a	n/a	n/a

\*Minimum provision period

### 6.2.1.9 Disk intensive II

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
Disk intensive II d2.xlarge.8	Open Linux	0,611125	n/a	280	n/a	257	n/a	n/a	n/a	2798	n/a	5037	n/a	n/a	n/a
	Oracle Linux	0,631356	n/a	295	n/a	272	n/a	n/a	n/a	2984	n/a	5408	n/a	n/a	n/a
	RHEL	0,671818	n/a	326	n/a	303	n/a	n/a	n/a	3354	n/a	6149	n/a	n/a	n/a
	SUSE	0,712281	n/a	342	n/a	318	n/a	n/a	n/a	3447	n/a	6149	n/a	n/a	n/a
	SUSE for SAP	0,747895	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	0,672238	n/a	326	n/a	303	n/a	n/a	n/a	3358	n/a	6156	n/a	n/a	n/a
Disk intensive II d2.2xlarge.8	Open Linux	1,22	n/a	560	n/a	513	n/a	n/a	n/a	5597	n/a	10074	n/a	n/a	n/a
	Oracle Linux	1,24	n/a	575	n/a	528	n/a	n/a	n/a	5782	n/a	10445	n/a	n/a	n/a
	RHEL	1,34	n/a	652	n/a	606	n/a	n/a	n/a	6708	n/a	12298	n/a	n/a	n/a
	SUSE	1,32	n/a	621	n/a	575	n/a	n/a	n/a	6245	n/a	11186	n/a	n/a	n/a
	SUSE for SAP	1,39	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	1,34	n/a	653	n/a	606	n/a	n/a	n/a	6716	n/a	12313	n/a	n/a	n/a
Disk intensive II d2.4xlarge.8	Open Linux	2,44	n/a	1119	n/a	1026	n/a	n/a	n/a	11194	n/a	20148	n/a	n/a	n/a
	Oracle Linux	2,46	n/a	1135	n/a	1042	n/a	n/a	n/a	11379	n/a	20519	n/a	n/a	n/a
	RHEL	2,57	n/a	1212	n/a	1119	n/a	n/a	n/a	12305	n/a	22372	n/a	n/a	n/a
	SUSE	2,55	n/a	1181	n/a	1088	n/a	n/a	n/a	11842	n/a	21260	n/a	n/a	n/a
	SUSE for SAP	2,67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	2,69	n/a	1306	n/a	1213	n/a	n/a	n/a	13432	n/a	24626	n/a	n/a	n/a
Disk intensive II d2.6xlarge.8	Open Linux	3,67	n/a	1679	n/a	1539	n/a	n/a	n/a	16790	n/a	30223	n/a	n/a	n/a
	Oracle Linux	3,69	n/a	1694	n/a	1555	n/a	n/a	n/a	16976	n/a	30593	n/a	n/a	n/a
	RHEL	3,79	n/a	1772	n/a	1632	n/a	n/a	n/a	17902	n/a	32446	n/a	n/a	n/a
	SUSE	3,77	n/a	1741	n/a	1601	n/a	n/a	n/a	17439	n/a	31334	n/a	n/a	n/a
	SUSE for SAP	3,96	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	4,03	n/a	1959	n/a	1819	n/a	n/a	n/a	20148	n/a	36939	n/a	n/a	n/a
Disk intensive II d2.8xlarge.8	Open Linux	4,89	n/a	2239	n/a	2052	n/a	n/a	n/a	22387	n/a	40297	n/a	n/a	n/a
	Oracle Linux	4,91	n/a	2254	n/a	2068	n/a	n/a	n/a	22572	n/a	40667	n/a	n/a	n/a
	RHEL	5,01	n/a	2331	n/a	2145	n/a	n/a	n/a	23499	n/a	42520	n/a	n/a	n/a
	SUSE	4,99	n/a	2300	n/a	2114	n/a	n/a	n/a	23036	n/a	41409	n/a	n/a	n/a
	SUSE for SAP	5,24	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	5,38	n/a	2612	n/a	2425	n/a	n/a	n/a	26865	n/a	49252	n/a	n/a	n/a
Disk intensive II d2.15xlarge.9	Open Linux	8,35	n/a	3824	n/a	3505	n/a	n/a	n/a	38239	n/a	68830	n/a	n/a	n/a
	Oracle Linux	8,37	n/a	3839	n/a	3521	n/a	n/a	n/a	38424	n/a	69201	n/a	n/a	n/a
	RHEL	8,47	n/a	3917	n/a	3598	n/a	n/a	n/a	39351	n/a	71054	n/a	n/a	n/a

	SUSE	8,45	n/a	3886	n/a	3567	n/a	n/a	n/a	38887	n/a	69942	n/a	n/a	n/a
	SUSE for SAP	8,87	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	9,19	n/a	4461	n/a	4143	n/a	n/a	n/a	45887	n/a	84126	n/a	n/a	n/a

\*Minimum provision period

### 6.2.1.10 Ultra-High I/O

Elastic Cloud Server Flavor (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
Ultra-High I/O i3.2xlarge.4	Open Linux	n/a	1,08	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	n/a	1,1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	n/a	1,2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	n/a	1,18	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	n/a	1,19	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	n/a	1,78	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ultra-High I/O i3.4xlarge.4	Open Linux	n/a	2,16	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	n/a	2,18	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	n/a	2,28	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	n/a	2,26	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	n/a	2,27	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	n/a	2,33	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ultra-High I/O i3.8xlarge.4	Open Linux	n/a	4,32	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	n/a	4,34	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	n/a	4,44	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	n/a	4,42	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	n/a	4,53	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	n/a	4,53	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ultra-High I/O i3.12xlarge.4	Open Linux	n/a	6,47	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	n/a	6,49	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	n/a	6,59	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	n/a	6,57	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	n/a	6,9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	n/a	6,9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ultra-High I/O i3.16xlarge.4	Open Linux	n/a	8,63	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Oracle Linux	n/a	8,65	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	RHEL	n/a	8,75	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE	n/a	8,73	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	SUSE for SAP	n/a	9,28	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Windows	n/a	9,28	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

\*Minimum provision period

## 6.2.2 Dedicated Host

Dedicated Host (type)	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
General purpose (s2)	10,42	n/a	5339	n/a	4703	n/a	n/a	n/a	60264	n/a	103555	n/a	n/a	n/a
General purpose (s2-medium)	3,19	n/a	1648	n/a	1213	n/a	n/a	n/a	18456	n/a	28701	n/a	n/a	n/a
General purpose (s3)	n/a	7,38	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dedicated general purpose (c3)	4,97	n/a	2650	n/a	2347	n/a	n/a	n/a	27258	n/a	40888	n/a	n/a	n/a
Dedicated general purpose (c4)	6,11	5,25	3256	n/a	2884	n/a	n/a	n/a	33495	n/a	50243	n/a	n/a	n/a
Memory optimized (m3)	5,9	n/a	3145	n/a	2785	n/a	n/a	n/a	32345	n/a	48517	n/a	n/a	n/a
Memory optimized (m4)	7	6,02	3732	3209,52	3305	2842,3	n/a	n/a	38384	33010,24	57577	49516,22	n/a	n/a
Ultra-High I/O (i3)	n/a	11,0136201	n/a	6029,9568	n/a	5627,95968	n/a	4743,566016	n/a	67535,51616	n/a	125423,1014	n/a	156296,4803
Lizenz Open Linux	inklusive	inklusive	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lizenz Oracle	0,049354	0,042444	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lizenz RHEL	0,057389	0,049355	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lizenz SUSE	0,054519	0,046886	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lizenz SUSE for SAP	0,087231	0,075019	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lizenz Windows	0,07678	0,066031	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

\*Minimum provision period

## 6.2.3 Bare Metal Server

Bare Metal Host (type)	Operating system group	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
physical.h2.large	Open Linux	2,92	n/a	1.310,00	n/a	1.135,00	n/a	n/a	n/a	14.703,00	n/a	24.419,00	n/a	n/a	n/a
	Oracle Linux	2,98	n/a	1.352,00	n/a	1.177,00	n/a	n/a	n/a	15.205,00	n/a	25.425,00	n/a	n/a	n/a
	RHEL	3,03	n/a	1.388,00	n/a	1.212,00	n/a	n/a	n/a	15.635,00	n/a	26.284,00	n/a	n/a	n/a
	SUSE	3,00	n/a	1.368,00	n/a	1.192,00	n/a	n/a	n/a	15.394,00	n/a	25.802,00	n/a	n/a	n/a
	Windows	3,56	n/a	1.776,00	n/a	1.601,00	n/a	n/a	n/a	20.294,00	n/a	35.603,00	n/a	n/a	n/a
physical.i7n.28xlarge.4	Open Linux	6,80	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

\*Minimum provision period

## 6.2.4 Auto Scaling

Auto Scaling (type)	Billing	EUR (global)
Auto Scaling	n/a	Free of charge

## 6.2.5 Image Management Service

Image Management Service (type)	Billing	EUR (global)
Image Management Service	n/a	Free of charge

## 6.3 Datenbanken

### 6.3.1 Relational Database Service

#### 6.3.1.1 MySQL

MySQL Flavor (type)	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR

1 vCPU 2 GB RAM Single	0,0399	0,03591	22,14	19,93	20,39	18,35	n/a	n/a	227	204,3	377	339,3	n/a	n/a
1 vCPU 4 GB RAM Single	0,085216	0,076694	47,28	42,55	43,55	39,2	n/a	n/a	485	436,5	806	725,4	n/a	n/a
2 vCPU 4 GB RAM Single	0,126683	0,114015	70,28	63,25	64,73	58,26	n/a	n/a	721	648,9	1199	1079,1	n/a	n/a
2 vCPU 8 GB RAM Single	0,20748	0,186732	115,11	103,6	106,02	95,42	n/a	n/a	1181	1062,9	1963	1766,7	n/a	n/a
2 vCPU 16 GB RAM Single	0,277904	0,250114	154,18	138,76	142,01	127,81	n/a	n/a	1582	1423,8	2629	2366,1	n/a	n/a
4 vCPU 8 GB RAM Single	0,22743	0,204687	126,18	113,56	116,22	104,6	n/a	n/a	1295	1165,5	2152	1936,8	n/a	n/a
4 vCPU 16 GB RAM Single	0,415958	0,374362	231	207,9	213	191,7	n/a	n/a	2368	2131,2	3935	3541,5	n/a	n/a
4 vCPU 32 GB RAM Single	0,608475	0,547628	338	304,2	311	279,9	n/a	n/a	3465	3118,5	5757	5181,3	n/a	n/a
8 vCPU 16 GB RAM Single	0,45486	0,409374	252	226,8	232	208,8	n/a	n/a	2590	2331	4303	3872,7	n/a	n/a
8 vCPU 32 GB RAM Single	0,831915	0,748724	462	415,8	425	382,5	n/a	n/a	4737	4263,3	7871	7083,9	n/a	n/a
8 vCPU 64 GB RAM Single	1,14	1,03	631	567,9	581	522,9	n/a	n/a	6475	5827,5	10758	9682,2	n/a	n/a
16 vCPU 32 GB RAM Single	0,90972	0,818748	505	454,5	465	418,5	n/a	n/a	5180	4662	8607	7746,3	n/a	n/a
16 vCPU 64 GB RAM Single	1,66	1,49	923	830,7	850	765	n/a	n/a	9474	8526,6	15741	14166,9	n/a	n/a
16 vCPU 128 GB RAM Single	2,27	2,04	1262	1135,8	1162	1045,8	n/a	n/a	12950	11655	21517	19365,3	n/a	n/a

\*Minimum provision period

MySQL Flavor (type)	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
32 vCPU 64 GB RAM Single	1,82	1,64	1009	908,1	930	837	n/a	n/a	10360	9324	17213	15491,7	n/a	n/a
32 vCPU 128 GB RAM Single	3,33	3	1846	1661,4	1700	1530	n/a	n/a	18948	17053,2	31482	28333,8	n/a	n/a
32 vCPU 256 GB RAM Single	4,55	4,1	2524	2271,6	2324	2091,6	n/a	n/a	25900	23310	43033	38729,7	n/a	n/a
60 vCPU 128 GB RAM Single	3,64	3,28	2019	1817,1	1859	1673,1	n/a	n/a	20720	18648	34427	30984,3	n/a	n/a
60 vCPU 256 GB RAM Single	6,66	5,99	3692	3322,8	3401	3060,9	n/a	n/a	37895	34105,5	62965	56668,5	n/a	n/a
60 vCPU 512 GB RAM Single	9,1	8,19	5047	4542,3	4649	4184,1	n/a	n/a	51799	46619,1	86067	77460,3	n/a	n/a
1 vCPU 2 GB RAM HA	0,0798	0,07182	44,27	39,84	40,78	36,7	n/a	n/a	454	408,6	755	679,5	n/a	n/a
1 vCPU 4 GB RAM HA	0,170433	0,15339	94,56	85,1	87,09	78,38	n/a	n/a	970	873	1612	1450,8	n/a	n/a
2 vCPU 4 GB RAM HA	0,253365	0,228029	140,57	126,51	129,47	116,52	n/a	n/a	1443	1298,7	2397	2157,3	n/a	n/a
2 vCPU 8 GB RAM HA	0,41496	0,373464	230	207	212	190,8	n/a	n/a	2363	2126,7	3926	3533,4	n/a	n/a
2 vCPU 16 GB RAM HA	0,555807	0,500226	308	277,2	284	255,6	n/a	n/a	3165	2848,5	5258	4732,2	n/a	n/a
4 vCPU 8 GB RAM HA	0,45486	0,409374	252	226,8	232	208,8	n/a	n/a	2590	2331	4303	3872,7	n/a	n/a
4 vCPU 16 GB RAM HA	0,831915	0,748724	462	415,8	425	382,5	n/a	n/a	4737	4263,3	7871	7083,9	n/a	n/a
4 vCPU 32 GB RAM HA	1,22	1,1	675	607,5	622	559,8	n/a	n/a	6929	6236,1	11513	10361,7	n/a	n/a
8 vCPU 16 GB RAM HA	0,90972	0,818748	505	454,5	465	418,5	n/a	n/a	5180	4662	8607	7746,3	n/a	n/a
8 vCPU 32 GB RAM HA	1,66	1,49	923	830,7	850	765	n/a	n/a	9474	8526,6	15741	14166,9	n/a	n/a
8 vCPU 64 GB RAM HA	2,27	2,04	1262	1135,8	1162	1045,8	n/a	n/a	12950	11655	21517	19365,3	n/a	n/a
16 vCPU 32 GB RAM HA	1,82	1,64	1009	908,1	930	837	n/a	n/a	10360	9324	17213	15491,7	n/a	n/a
16 vCPU 64 GB RAM HA	3,33	3	1846	1661,4	1700	1530	n/a	n/a	18948	17053,2	31482	28333,8	n/a	n/a
16 vCPU 128 GB RAM HA	4,55	4,1	2524	2271,6	2324	2091,6	n/a	n/a	25900	23310	43033	38729,7	n/a	n/a
32 vCPU 64 GB RAM HA	3,64	3,28	2019	1817,1	1859	1673,1	n/a	n/a	20720	18648	34427	30984,3	n/a	n/a
32 vCPU 128 GB RAM HA	6,66	5,99	3692	3322,8	3401	3060,9	n/a	n/a	37895	34105,5	62965	56668,5	n/a	n/a
32 vCPU 256 GB RAM HA	9,1	8,19	5047	4542,3	4649	4184,1	n/a	n/a	51799	46619,1	86067	77460,3	n/a	n/a
60 vCPU 128 GB RAM HA	7,28	6,55	4038	3634,2	3719	3347,1	n/a	n/a	41440	37296	68853	61967,7	n/a	n/a
60 vCPU 256 GB RAM HA	13,31	11,98	7385	6646,5	6802	6121,8	n/a	n/a	75791	68211,9	125929	113336,1	n/a	n/a

60 vCPU 512 GB RAM HA	18,19	16,37	10094	9084,6	9297	8367,3	n/a	n/a	103599	93239,1	172134	154920,6	n/a	n/a
1 vCPU 2 GB RAM read replica	0,0399	0,03591	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1 vCPU 4 GB RAM read replica	0,085216	0,076694	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2 vCPU 4 GB RAM read replica	0,126683	0,114015	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2 vCPU 8 GB RAM read replica	0,20748	0,186732	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2 vCPU 16 GB RAM read replica	0,277904	0,250114	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4 vCPU 8 GB RAM read replica	0,22743	0,204687	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4 vCPU 16 GB RAM read replica	0,415958	0,374362	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4 vCPU 32 GB RAM read replica	0,608475	0,547628	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8 vCPU 16 GB RAM read replica	0,45486	0,409374	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8 vCPU 32 GB RAM read replica	0,831915	0,748724	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8 vCPU 64 GB RAM read replica	1,14	1,03	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
16 vCPU 32 GB RAM read replica	0,90972	0,818748	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

\*Minimum provision period

MySQL Flavor (type)	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
16 vCPU 64 GB RAM read replica	1,66	1,49	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
16 vCPU 128 GB RAM read replica	2,27	2,04	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
32 vCPU 64 GB RAM read replica	1,82	1,64	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
32 vCPU 128 GB RAM read replica	3,33	3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
32 vCPU 256 GB RAM read replica	4,55	4,1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
60 vCPU 128 GB RAM read replica	3,64	3,28	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
60 vCPU 256 GB RAM read replica	6,66	5,99	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
60 vCPU 512 GB RAM read replica	9,1	8,19	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

\*Minimum provision period

### 6.3.1.2 PostgreSQL

PostgreSQL Flavor (type)	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
1 vCPU 2 GB RAM Single	0,041895	0,037706	23,24	20,92	21,41	19,27			239	215,1	396	356,4		
1 vCPU 4 GB RAM Single	0,089477	0,080529	49,64	44,68	45,72	41,15			509	458,1	847	762,3		
2 vCPU 4 GB RAM Single	0,133017	0,119715	73,8	66,42	67,97	61,17			757	681,3	1258	1132,2		
2 vCPU 8 GB RAM Single	0,217854	0,196069	120,87	108,78	111,32	100,19			1240	1116	2061	1854,9		
2 vCPU 16 GB RAM Single	0,291799	0,262619	161,89	145,7	149,11	134,2			1662	1495,8	2761	2484,9		
4 vCPU 8 GB RAM Single	0,238802	0,214922	132,49	119,24	122,03	109,83			1360	1224	2259	2033,1		
4 vCPU 16 GB RAM Single	0,436756	0,39308	242	217,8	223	200,7			2487	2238,3	4132	3718,8		
4 vCPU 32 GB RAM Single	0,638899	0,575009	354	318,6	326	293,4			3638	3274,2	6044	5439,6		

8 vCPU 16 GB RAM Single	0,477603	0,429843	265	238,5	244	219,6			2719	2447,1	4519	4067,1		
8 vCPU 32 GB RAM Single	0,873511	0,78616	485	436,5	446	401,4			4974	4476,6	8264	7437,6		
8 vCPU 64 GB RAM Single	1,19	1,07	662	595,8	610	549			6799	6119,1	11296	10166,4		
16 vCPU 32 GB RAM Single	0,955206	0,859685	530	477	488	439,2			5439	4895,1	9037	8133,3		
16 vCPU 64 GB RAM Single	1,75	1,58	969	872,1	893	803,7			9948	8953,2	16528	14875,2		
16 vCPU 128 GB RAM Single	2,39	2,15	1325	1192,5	1220	1098			13597	12237,3	22593	20333,7		
32 vCPU 64 GB RAM Single	1,91	1,72	1060	954	976	878,4			10878	9790,2	18074	16266,6		
32 vCPU 128 GB RAM Single	3,49	3,14	1938	1744,2	1785	1606,5			19895	17905,5	33056	29750,4		
32 vCPU 256 GB RAM Single	4,78	4,3	2650	2385	2441	2196,9			27195	24475,5	45185	40666,5		
60 vCPU 128 GB RAM Single	3,82	3,44	2120	1908	1952	1756,8			21756	19580,4	36148	32533,2		
60 vCPU 256 GB RAM Single	6,99	6,29	3877	3489,3	3571	3213,9			39790	35811	66113	59501,7		
60 vCPU 512 GB RAM Single	9,55	8,6	5299	4769,1	4881	4392,9			54389	48950,1	90370	81333		

\*Minimum provision period

PostgreSQL Flavor (type)	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
1 vCPU 2 GB RAM HA	0,08379	0,075411	46,49	41,84	42,82	38,54			477	429,3	793	713,7		
1 vCPU 4 GB RAM HA	0,178954	0,161059	99,28	89,35	91,45	82,31			1019	917,1	1693	1523,7		
2 vCPU 4 GB RAM HA	0,266034	0,239431	147,6	132,84	135,94	122,35			1515	1363,5	2517	2265,3		
2 vCPU 8 GB RAM HA	0,435708	0,392137	242	217,8	223	200,7			2481	2232,9	4122	3709,8		
2 vCPU 16 GB RAM HA	0,583598	0,525238	324	291,6	298	268,2			3323	2990,7	5521	4968,9		
4 vCPU 8 GB RAM HA	0,477603	0,429843	265	238,5	244	219,6			2719	2447,1	4519	4067,1		
4 vCPU 16 GB RAM HA	0,873512	0,786161	485	436,5	446	401,4			4974	4476,6	8264	7437,6		
4 vCPU 32 GB RAM HA	1,28	1,15	709	638,1	653	587,7			7276	6548,4	12089	10880,1		
8 vCPU 16 GB RAM HA	0,955206	0,859685	530	477	488	439,2			5439	4895,1	9037	8133,3		
8 vCPU 32 GB RAM HA	1,75	1,58	969	872,1	893	803,7			9948	8953,2	16528	14875,2		
8 vCPU 64 GB RAM HA	2,39	2,15	1325	1192,5	1220	1098			13597	12237,3	22593	20333,7		

16 vCPU 32 GB RAM HA	1,91	1,72	1060	954	976	878,4			10878	9790,2	18074	16266,6		
16 vCPU 64 GB RAM HA	3,49	3,14	1938	1744,2	1785	1606,5			19895	17905,5	33056	29750,4		
16 vCPU 128 GB RAM HA	4,78	4,3	2650	2385	2441	2196,9			27195	24475,5	45185	40666,5		
32 vCPU 64 GB RAM HA	3,82	3,44	2120	1908	1952	1756,8			21756	19580,4	36148	32533,2		
32 vCPU 128 GB RAM HA	6,99	6,29	3877	3489,3	3571	3213,9			39790	35811	66113	59501,7		
32 vCPU 256 GB RAM HA	9,55	8,6	5299	4769,1	4881	4392,9			54389	48950,1	90370	81333		
60 vCPU 128 GB RAM HA	7,64	6,88	4240	3816	3905	3514,5			43512	39160,8	72296	65066,4		
60 vCPU 256 GB RAM HA	13,98	12,58	7754	6978,6	7142	6427,8			79580	71622	132226	119003,4		
60 vCPU 512 GB RAM HA	19,1	17,19	10599	9539,1	9762	8785,8			108779	97901,1	180740	162666		

\*Minimum provision period

PostgreSQL Flavor (type)	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
1 vCPU 2 GB RAM read replica	0,041895	0,037706	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1 vCPU 4 GB RAM read replica	0,089477	0,080529	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2 vCPU 4 GB RAM read replica	0,133017	0,119715	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2 vCPU 8 GB RAM read replica	0,217854	0,196069	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2 vCPU 16 GB RAM read replica	0,291799	0,262619	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4 vCPU 8 GB RAM read replica	0,238802	0,214922	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4 vCPU 16 GB RAM read replica	0,436756	0,39308	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4 vCPU 32 GB RAM read replica	0,638899	0,575009	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8 vCPU 16 GB RAM read replica	0,477603	0,429843	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8 vCPU 32 GB RAM read replica	0,873511	0,78616	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8 vCPU 64 GB RAM read replica	1,19	1,07	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
16 vCPU 32 GB RAM read replica	0,955206	0,859685	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
16 vCPU 64 GB RAM read replica	1,75	1,58	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
16 vCPU 128 GB RAM read replica	2,39	2,15	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
32 vCPU 64 GB RAM read replica	1,91	1,72	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
32 vCPU 128 GB RAM read replica	3,49	3,14	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
32 vCPU 256 GB RAM read replica	4,78	4,3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
60 vCPU 128 GB RAM read replica	3,82	3,44	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
60 vCPU 256 GB RAM read replica	6,99	6,29	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
60 vCPU 512 GB RAM read replica	9,55	8,6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

\*Minimum provision period

6.3.1.3

Microsoft SQL Server

Microsoft SQL Server Flavor (type)	Number of MSSQL licenses required	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour	EU-DE Reserved 12 months* in EUR/month	EU-NL Reserved 12 months* in EUR/month	EU-DE Reserved 24 months* in EUR/month	EU-NL Reserved 24 months* in EUR/month	EU-DE Reserved 36 months* in EUR/month	EU-NL Reserved 36 months* in EUR/month	EU-DE Reserved Upfront 12 months* in EUR	EU-NL Reserved Upfront 12 months* in EUR	EU-DE Reserved Upfront 24 months* in EUR	EU-NL Reserved Upfront 24 months* in EUR	EU-DE Reserved Upfront 36 months* in EUR	EU-NL Reserved Upfront 36 months* in EUR
2 vCPU 4 GB RAM Single	2	0,298839	0,268955	185,43	166,89	159,25	143,33	n/a	n/a	1885	1696,5	3456	3110,4	n/a	n/a
2 vCPU 8 GB RAM Single	2	0,534765	0,481289	332	298,8	285	256,5	n/a	n/a	3373	3035,7	6184	5565,6	n/a	n/a
2 vCPU 16 GB RAM Single	2	0,76851	0,691659	477	429,3	410	369	n/a	n/a	4847	4362,3	8886	7997,4	n/a	n/a
4 vCPU 8 GB RAM Single	2	0,597678	0,53791	371	333,9	319	287,1	n/a	n/a	3770	3393	6911	6219,9	n/a	n/a
4 vCPU 16 GB RAM Single	2	1,07	0,963	664	597,6	570	513	n/a	n/a	6746	6071,4	12367	11130,3	n/a	n/a
4 vCPU 32 GB RAM Single	2	1,54	1,39	954	858,6	819	737,1	n/a	n/a	9694	8724,6	17773	15995,7	n/a	n/a
8 vCPU 16 GB RAM Single	4	1,61	1,45	1001	900,9	860	774	n/a	n/a	10178	9160,2	18660	16794	n/a	n/a
8 vCPU 32 GB RAM Single	4	2,48	2,23	1541	1386,9	1323	1190,7	n/a	n/a	15663	14096,7	28715	25843,5	n/a	n/a
8 vCPU 64 GB RAM Single	4	3,05	2,75	1893	1703,7	1626	1463,4	n/a	n/a	19243	17318,7	35278	31750,2	n/a	n/a
16 vCPU 32 GB RAM Single	8	3,23	2,91	2003	1802,7	1720	1548	n/a	n/a	20356	18320,4	37320	33588	n/a	n/a
16 vCPU 64 GB RAM Single	8	4,97	4,47	3082	2773,8	2647	2382,3	n/a	n/a	31325	28192,5	57430	51687	n/a	n/a
16 vCPU 128 GB RAM Single	8	6,1	5,49	3786	3407,4	3252	2926,8	n/a	n/a	38485	34636,5	70556	63500,4	n/a	n/a
32 vCPU 64 GB RAM Single	16	6,45	5,81	4005	3604,5	3440	3096	n/a	n/a	40713	36641,7	74640	67176	n/a	n/a
32 vCPU 128 GB RAM Single	16	9,93	8,94	6164	5547,6	5293	4763,7	n/a	n/a	62651	56385,9	114860	103374	n/a	n/a
32 vCPU 256 GB RAM Single	16	12,2	10,98	7572	6814,8	6503	5852,7	n/a	n/a	76970	69273	141112	127000,8	n/a	n/a
60 vCPU 128 GB RAM Single	30	12,1	10,89	7510	6759	6450	5805	n/a	n/a	76336	68702,4	139949	125954,1	n/a	n/a
60 vCPU 512 GB RAM Single	30	22,88	20,59	14198	12778,2	12194	10974,6	n/a	n/a	144319	129887,1	264586	238127,4	n/a	n/a
60 vCPU 256 GB RAM Single	30	18,62	16,76	11557	10401,3	9925	8932,5	n/a	n/a	117470	105723	215362	193825,8	n/a	n/a
2 vCPU 4 GB RAM HA	2	0,597678	0,53791	371	333,9	319	287,1	n/a	n/a	3770	3393	6911	6219,9	n/a	n/a
2 vCPU 8 GB RAM HA	2	1,07	0,963	664	597,6	570	513	n/a	n/a	6746	6071,4	12367	11130,3	n/a	n/a
2 vCPU 16 GB RAM HA	2	1,54	1,39	954	858,6	819	737,1	n/a	n/a	9694	8724,6	17773	15995,7	n/a	n/a
4 vCPU 8 GB RAM HA	4	1,2	1,08	742	667,8	637	573,3	n/a	n/a	7539	6785,1	13822	12439,8	n/a	n/a
4 vCPU 16 GB RAM HA	4	2,14	1,93	1327	1194,3	1140	1026	n/a	n/a	13491	12141,9	24734	22260,6	n/a	n/a
4 vCPU 32 GB RAM HA	4	3,07	2,76	1907	1716,3	1638	1474,2	n/a	n/a	19389	17450,1	35546	31991,4	n/a	n/a
8 vCPU 16 GB RAM HA	8	3,23	2,91	2003	1802,7	1720	1548	n/a	n/a	20356	18320,4	37320	33588	n/a	n/a
8 vCPU 32 GB RAM HA	8	4,97	4,47	3082	2773,8	2647	2382,3	n/a	n/a	31325	28192,5	57430	51687	n/a	n/a
8 vCPU 64 GB RAM HA	8	6,1	5,49	3786	3407,4	3252	2926,8	n/a	n/a	38485	34636,5	70556	63500,4	n/a	n/a
16 vCPU 32 GB RAM HA	16	6,45	5,81	4005	3604,5	3440	3096	n/a	n/a	40713	36641,7	74640	67176	n/a	n/a
16 vCPU 64 GB RAM HA	16	9,93	8,94	6164	5547,6	5293	4763,7	n/a	n/a	62651	56385,9	114860	103374	n/a	n/a
16 vCPU 128 GB RAM HA	16	12,2	10,98	7572	6814,8	6503	5852,7	n/a	n/a	76970	69273	141112	127000,8	n/a	n/a
32 vCPU 64 GB RAM HA	32	12,91	11,62	8011	7209,9	6880	6192	n/a	n/a	81425	73282,5	149279	134351,1	n/a	n/a
32 vCPU 128 GB RAM HA	32	19,87	17,88	12327	11094,3	10587	9528,3	n/a	n/a	125302	112771,8	229720	206748	n/a	n/a
32 vCPU 256 GB RAM HA	32	24,41	21,97	15145	13630,5	13007	11706,3	n/a	n/a	153941	138546,9	282225	254002,5	n/a	n/a
60 vCPU 128 GB RAM HA	60	24,21	21,79	15020	13518	12899	11609,1	n/a	n/a	152672	137404,8	279899	251909,1	n/a	n/a
60 vCPU 512 GB RAM HA	60	45,76	41,18	28396	25556,4	24387	21948,3	n/a	n/a	288639	259775,1	529171	476253,9	n/a	n/a
2 vCPU 4 GB RAM HA	60	37,25	33,53	23113	20801,7	19850	17865	n/a	n/a	234941	211446,9	430724	387651,6	n/a	n/a

\*Minimum provision period

Lizenzkosten Microsoft SQL Server:

Microsoft SQL Server Flavor (type)	Billing	EUR (EU-DE)	EUR (EU-NL)
Microsoft SQL Server 2014 Standard	Per unit/hour	0,000000	0,000000
Microsoft SQL Server 2016/2017 Standard	Per unit/hour	0,000000	0,000000
Microsoft SQL Server 2016/2017 Enterprise	Per unit/hour	0,330	0,297
Microsoft SQL Server 2019 Standard	Per unit/hour	0,000000	0,000000
Microsoft SQL Server 2019 Enterprise	Per unit/hour	0,330	0,297

6.3.1.4 Relational Database Service – Storage & Backup

Relational Database Service (type)	Billing	EUR (EU-DE)	EUR (EU-NL)
RDS Volume Storage – Ultra High I/O	Space in GB/month	0,11	0,099
RDS Volume Storage – Ultra High I/O HA	Space in GB/month	0,22	0,198
RDS Volume Storage – Common I/O	Space in GB/month	0,0506	n/a
RDS Volume Storage – Common I/O HA	Space in GB/month	0,1012	n/a
RDS Backup Storage	Space in GB/month	0,0858	0,07722

## 6.3.2 Distributed Cache Service

### 6.3.2.1 Distributed Cache Service basierend auf Redis 3.0.7

Distributed Cache Service (type)	Gross RAM (GB)	Open Elastic in EUR/hour (EU-DE)	Open Elastic in EUR/hour (EU-NL) *
Single Node	0,125	0,001976	0,001778
Single Node	0,25	0,003951	0,003556
Single Node	0,5	0,007902	0,007112
Single Node	1	0,015805	0,014225
Single Node	2	0,037728	0,033955
Single Node	4	0,079527	0,071574
Single Node	8	0,202121	0,181909
Single Node	16	0,453206	0,407885
Single Node	24	0,600992	0,540893
Single Node	32	0,696234	0,626611
Single Node	48	1,07	0,963
Single Node	64	1,46	1,31
Master/Stand-by	0,125	0,003457	0,003111
Master/Stand-by	0,25	0,006915	0,006224
Master/Stand-by	0,5	0,013829	0,012446
Master/Stand-by	1	0,027658	0,024892
Master/Stand-by	2	0,066024	0,059422
Master/Stand-by	4	0,139172	0,125255
Master/Stand-by	8	0,353711	0,31834
Master/Stand-by	16	0,79311	0,713799
Master/Stand-by	24	1,05	0,945
Master/Stand-by	32	1,22	1,1
Master/Stand-by	48	1,87	1,68
Master/Stand-by	64	2,55	2,3
Cluster	4	0,1716	0,15444
Cluster	8	0,3432	0,30888
Cluster	16	0,6864	0,61776
Cluster	24	1,03	0,927
Cluster	32	1,37	1,23
Cluster	48	2,06	1,85
Cluster	64	2,75	2,48
Cluster	96	4,12	3,71
Cluster	128	5,49	4,94
Cluster	192	8,24	7,42
Cluster	256	10,98	9,88
Cluster	348	16,47	14,82
Cluster	512	21,96	19,76
Cluster	768	32,95	29,66
Cluster	1024	43,93	39,54

Distributed Cache Service (type)	Billing	EUR (EU-DE)	EUR (EU-NL)
Backup	Space in GB/month	0,0858	0,07722

### 6.3.2.2 Distributed Cache Service based on Redis 4.0.14 und 5.0.9

Distributed Cache Service (type)	Gross RAM (GB)	Open Elastic in Euro/ hour (EU-DE) 1 Instance	Open Elastic in Euro/ hour (EU-NL) 1 Instance	Open Elastic in Euro/ hour (EU-DE) 2 Instance	Open Elastic in Euro/ hour (EU-NL) 2 Instance	Open Elastic in Euro/ hour (EU-DE) 3 Instance	Open Elastic in Euro/ hour (EU-NL) 3 Instance	Open Elastic in Euro/ hour (EU-DE) 4 Instance	Open Elastic in Euro/ hour (EU-NL) 4 Instance	Open Elastic in Euro/ hour (EU-DE) 5 Instance	Open Elastic in Euro/ hour (EU-NL) 5 Instance
Single Instance	0,125	0,002173	0,001956	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Single Instance	0,25	0,004346	0,003911	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Single Instance	0,5	0,008693	0,007824	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Single Instance	1	0,017385	0,015647	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Single Instance	2	0,034771	0,031294	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Single Instance	4	0,069541	0,062587	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Single Instance	8	0,139082	0,125174	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Single Instance	16	0,278164	0,250348	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Single Instance	24	0,417247	0,375522	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Single Instance	32	0,556329	0,500696	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Single Instance	48	0,834493	0,751044	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Single Instance	64	1,11	0,999	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
High Availability 2 Replicas	0,125	n/a	n/a	0,003803	0,003423	0,005705	0,005135	0,007606	0,006845	0,009508	0,008557
High Availability 2 Replicas	0,25	n/a	n/a	0,007606	0,006845	0,011409	0,010268	0,015212	0,013691	0,019015	0,017114
High Availability 2 Replicas	0,5	n/a	n/a	0,015212	0,013691	0,022818	0,020536	0,030424	0,027382	0,03803	0,034227
High Availability 2 Replicas	1	n/a	n/a	0,030424	0,027382	0,045636	0,041072	0,060848	0,054763	0,076061	0,068455
High Availability 2 Replicas	2	n/a	n/a	0,060848	0,054763	0,091273	0,082146	0,121697	0,109527	0,152121	0,136909
High Availability 2 Replicas	4	n/a	n/a	0,121697	0,109527	0,182545	0,164291	0,243394	0,219055	0,304242	0,273818
High Availability 2 Replicas	8	n/a	n/a	0,243394	0,219055	0,365091	0,328582	0,486788	0,438109	0,608485	0,547637
High Availability 2 Replicas	16	n/a	n/a	0,486788	0,438109	0,730182	0,657164	0,973576	0,876218	1,22	1,1
High Availability 2 Replicas	24	n/a	n/a	0,730182	0,657164	1,1	0,99	1,46	1,31	1,83	1,65
High Availability 2 Replicas	32	n/a	n/a	0,973576	0,876218	1,46	1,31	1,95	1,76	2,43	2,19
High Availability 2 Replicas	48	n/a	n/a	1,46	1,31	2,19	1,97	2,92	2,63	3,65	3,29
High Availability 2 Replicas	64	n/a	n/a	1,95	1,76	2,92	2,63	3,89	3,5	4,87	4,38
Cluster 1 Replica	4	0,076495	0,068846	0,15299	0,137691	0,229486	0,206537	0,305981	0,275383	0,382476	0,344228
Cluster 1 Replica	8	0,15299	0,137691	0,305981	0,275383	0,458971	0,413074	0,611962	0,550766	0,764952	0,688457
Cluster 1 Replica	16	0,305981	0,275383	0,611962	0,550766	0,917943	0,826149	1,22	1,1	1,53	1,38
Cluster 1 Replica	24	0,458971	0,413074	0,917943	0,826149	1,38	1,24	1,84	1,66	2,29	2,06
Cluster 1 Replica	32	0,611962	0,550766	1,22	1,1	1,84	1,66	2,45	2,21	3,06	2,75
Cluster 1 Replica	48	0,917943	0,826149	1,84	1,66	2,75	2,48	3,67	3,3	4,59	4,13
Cluster 1 Replica	64	1,22	1,1	2,45	2,21	3,67	3,3	4,9	4,41	6,12	5,51
Cluster 1 Replica	96	1,84	1,66	3,67	3,3	5,51	4,96	7,34	6,61	9,18	8,26
Cluster 1 Replica	128	2,45	2,21	4,9	4,41	7,34	6,61	9,79	8,81	12,24	11,02
Cluster 1 Replica	192	3,67	3,3	7,34	6,61	11,02	9,92	14,69	13,22	18,36	16,52
Cluster 1 Replica	256	4,9	4,41	9,79	8,81	14,69	13,22	19,58	17,62	24,48	22,03
Cluster 1 Replica	348	7,34	6,61	14,69	13,22	22,03	19,83	29,37	26,43	36,72	33,05
Cluster 1 Replica	512	9,79	8,81	19,58	17,62	29,37	26,43	39,17	35,25	48,96	44,06
Cluster 1 Replica	768	14,69	13,22	29,37	26,43	44,06	39,65	58,75	52,88	73,44	66,1
Cluster 1 Replica	1024	19,58	17,62	39,17	35,25	58,75	52,88	78,33	70,5	97,91	88,12

### 6.3.3 Document Database Service

Document Database Service (type)	EU-DE <sup>1</sup> Open Elastic in Euro/ hour	EU-NL <sup>2</sup> Open Elastic in Euro/ hour
Mongos 1 vCPU 4 GB RAM	0,063986	0,057587
Mongos 2 vCPU 8 GB RAM	0,120696	0,108626
Mongos 4 vCPU 16 GB RAM	0,227387	0,204648
Mongos 8 vCPU 32 GB RAM	0,440009	0,396008
Mongos 16 vCPU 64 GB RAM	0,865251	0,778726
Shard 1 vCPU 4 GB RAM	0,095979	0,086381
Shard 2 vCPU 8 GB RAM	0,173281	0,155953
Shard 4 vCPU 16 GB RAM	0,34108	0,306972
Shard 8 vCPU 32 GB RAM	0,626674	0,564007
Shard 16 vCPU 64 GB RAM	1,88	1,69
Config 2 vCPU 4 GB RAM	0,377829	0,340046
Replica 1 vCPU 4 GB RAM	0,14766	0,132894
Replica 2 vCPU 8 GB RAM	0,31779	0,286011
Replica 4 vCPU 16 GB RAM	0,637862	0,574076
Replica 8 vCPU 32 GB RAM	1,28	1,15
Replica 16 vCPU 64 GB RAM	2,55	2,3
Single 1 vCPU 4 GB RAM	0,095979	0,086381
Single 2 vCPU 8 GB RAM	0,173281	0,155953
Single 4 vCPU 16 GB RAM	0,34108	0,306972
Single 8 vCPU 32 GB RAM	0,626674	0,564007
Single 16 vCPU 64 GB RAM	1,88	1,69

<sup>1</sup> Versions 3.2, 3.4 and 4.0.3 available

<sup>2</sup> Version 3.4 and 4.0.3 available

Document Database Service (type)	Billing	EUR (EU-DE)	EUR (EU-NL)
Volume Storage – Ultra-High I/O	Space in GB/month	0,11	0,099
Backup Storage	Space in GB/month	0,0858	0,07722

### 6.3.4 Cloud Search Service

Cloud Search Service (type)	vCPUs (quantity)	RAM (GB)	Open Elastic in EUR/hour (EU-DE)	Open Elastic in EUR/hour (EU-NL)
css.medium.8	1	8	0,110056	0,09905
css.large.8	2	16	0,220112	0,198101
css.xlarge.8	4	32	0,440224	0,396202
css.2xlarge.8	8	64	0,880448	0,792403
css.4xlarge.8	16	128	1,76	1,58
css.8xlarge.8	32	256	3,52	3,17
css.large.4	2	8	0,158555	0,1427
css.xlarge.4	4	16	0,316178	0,28456
css.2xlarge.4	8	32	0,633288	0,569959
css.4xlarge.4	16	64	1,27	1,14
css.8xlarge.4	32	128	2,53	2,28
css.xlarge.2	4	8	0,266746	0,240071
css.2xlarge.2	8	16	0,533492	0,480143
css.4xlarge.2	16	32	1,07	0,963
css.8xlarge.2	32	64	2,14	1,93

### 6.3.5 Data Replication Service

The service is free of charge during the first seven days. Thereafter the following prices apply:

Data Replication Service (type)	Open Elastic in Euro/hour (EU-DE)	Open Elastic in Euro/hour (EU-NL)
Node migration In	0,23826	0,19494
Node migration Out	0,23826	0,19494
Selfbuilt node	0,47652	0,38988
Sync Node migration In	0,23826	0,19494
Sync Node migration Out	0,23826	0,19494
Sync Node selfbuilt	0,23826	0,19494
Single active Node	0,47652	0,38988
Sync In/Out to Cloud	0,23826	0,19494
DRS Backup Restore VM	0,47652	0,47652

## 6.4 Storage

### 6.4.1 Object Storage Service

Storage Services (type)	Billing	Cumulated staggered price in GB/month from:	Cumulated staggered price in GB/month to:	EUR (EU-DE)	EUR (EU-NL)
Standard Object Storage Space	Volume in GB/month	-	5	included	included
		> 5	1,000	0,0242	0,01694
		> 1,000	50,000	0,02398	0,016786
		> 50,000	500,000	0,02365	0,016555
		> 500,000		0,0231	0,01617
Warm Object Storage Space	Volume in GB/month	-	5	0,0132	0,00924
		> 5	1,000	0,01265	0,008855
		> 1,000	50,000	0,01232	0,008624
		> 50,000	500,000	0,0121	0,00847
		> 500,000		0,01155	0,008085
Cold Object Storage Space	Volume in GB/month	-	5	0,00462	0,003234
		> 5	1,000	0,00462	0,003234
		> 1,000	50,000	0,00451	0,003157
		> 50,000	500,000	0,0044	0,00308
		> 500,000		0,00429	0,003003
Standard Object Storage Requests	pro 1,000 Requests	-	-	0,00473	0,003311
Warm Object Storage Requests	pro 1,000 Requests	-	-	0,0077	0,00539
Cold Object Storage Requests	pro 1,000 Requests	-	-	0,0561	0,03927
Warm Object Storage Transition Requests	pro 1,000 Requests	-	-	0,0077	0,00539
Cold Object Storage Transition Requests	pro 1,000 Requests	-	-	0,0561	0,03927
Warm Object Storage early delete	Volume in GB/month	-	-	0,0132	0,00924
Cold Object Storage early delete	Volume in GB/month	-	-	0,00517	0,003619
Warm Object Storage restore Volumen	Per GB	-	-	0,0099	0,00693
Cold Object Storage Bulk restore Requests	Per 1,000 requests	-	-	0,0341	0,02387
Cold Object Storage Standard restore Requests	Per 1,000 requests	-	-	0,0682	0,04774
Cold Object Storage Expedited restore Requests	Per 1,000 requests	-	-	13,78	9,65
Cold Object Storage Bulk restore Volumen	Per GB	-	-	0,00341	0,002387
Cold Object Storage Standard restore Volumen	Per GB	-	-	0,01375	0,009625
Cold Object Storage Expedited restore Volumen	Per GB	-	-	0,04136	0,028952
Cold Object Storage Buffer	Volume in GB/month	-	-	0,0242	0,01694
Object Storage Data Transfer Inbound for all Types	n/a	-	-	included	included
Object Storage Data Transfer Outbound for all Types	Volume in GB/month	-	1	included	included
		> 1	1,000	0,074489	0,074489
		> 1,000	10,000	0,070351	0,070351
		> 10,000	50,000	0,066	0,066
		> 50,000	150,000	0,0462	0,0462
		> 150,000	500,000	0,0451	0,0451
		> 500,000	1,000,000	0,0429	0,0429
		> 1,000,000	5,000,000	0,04235	0,04235
> 5,000,000		0,0418	0,0418		
Object Storage Data Cross Region Traffic Inbound	-	-	-	included	included
Object Storage Data Cross Region Traffic Outbound	-	-	-	0,022	-

## 6.4.2 Elastic Volume

Storage Services (type)	Billing	Cumulated staggered price in GB/month from:	Cumulated staggered price in GB/month to:	EUR (EU-DE)	EUR (EU-NL)
Elastic Volume Service – Ultra-High I/O	Space in GB/month	-	-	0,11	0,099
Elastic Volume Service – High I/O	Space in GB/month	-	-	0,066	0,0594
Elastic Volume Service – Common I/O	Space in GB/month	-	-	0,0506	n/a
Elastic Volume Service – High I/O Performance optimiert*	Space in GB/month	-	-	0,11	n/a
Elastic Volume Service – Ultra-High I/O Latenz optimiert*	Space in GB/month	-	-	0,1518	n/a
Elastic Volume Service – Extreme SSD	Space in GB/month	-	-	0,308	n/a

\*From 1st of July 2023 onwards the High-IO performance optimized and Ultra-High IO latency optimized disk types will be End-of-Life and not available for usage. Please make sure necessary migrations are done before the date.

## 6.4.3 Scalable File Service

Storage Services (type)	Billing	Cumulated staggered price in GB/month from:	Cumulated staggered price in GB/month to:	EUR (EU-DE)	EUR (EU-NL)
Scalable File Service	Space in GB/month	-	-	0,143	n/a
Scalable File Service Turbo Standard & Enhanced	Space in GB/month	-	-	0,1716	0,154440
Scalable File Service Turbo Performance & Enhanced	Space in GB/month	-	-	0,205920	0,185328

## 6.4.4 Storage Disaster Recovery Service

Storage Services (type)	Billing	Cumulated staggered price in GB/month from:	Cumulated staggered price in GB/month to:	EUR (EU-DE)	EUR (EU-NL)
Replikation – Ultra-High I/O	Space in GB/month	-	-	0,121	-
Replikation – High I/O	Space in GB/month	-	-	0,0726	-
Replikation – Common I/O	Space in GB/month	-	-	0,05566	-
Replikation – Ultra-High I/O – Shared	Space in GB/month	-	-	0,1452	-
Replikation – High I/O – Shared	Space in GB/month	-	-	0,08712	-
Replikation – Common I/O – Shared	Space in GB/month	-	-	0,066792	-

## 6.4.5 Backup Services

Storage Services (type)	Billing	Cumulated staggered price in GB/month from:	Cumulated staggered price in GB/month to:	EUR (EU-DE)	EUR (EU-NL)
Cloud Backup & Recovery – SFS Turbo Backup	Space in GB/month	-	-	0,0495	0,04455
Cloud Backup and Recovery – Server Backup	Space in GB/month	-	-	0,0495	0,04455
Cloud Backup and Recovery – Volume Backup	Space in GB/month	-	-	0,0495	0,04455
Volume Backup Service	Space in GB/month	-	-	0,0495	n/a
Cloud Server Backup Service	Space in GB/month	-	-	0,0495	n/a

## 6.5 Network

### 6.5.1 Virtual Private Cloud/Elastic IP/Elastic Load Balancer

Network Services (type)	Billing	Cumulated staggered price in GB/month from:	Cumulated staggered price in GB/month to:	EUR (EU-DE)	EUR (EU-NL)
Virtual Private Network (VPN)	per hour	-	-	0,0418	0,0418
VPC Internet Traffic Inbound – down flow	n/a	-	-	included	included
VPC Internet Traffic Outbound – up flow	Volumen in GB/Month	-	1	included	included
		> 1	1,000	0,074489	0,074489
		> 1,000	10,000	0,070351	0,070351
		> 10,000	50,000	0,066	0,066
		> 50,000	150,000	0,0462	0,0462
		> 150,000	500,000	0,0451	0,0451
		> 500,000	1,000,000	0,0429	0,0429
		> 1,000,000	5,000,000	0,04235	0,04235
		> 5,000,000	10,000,000	0,0418	0,0418
Elastic IP – Dynamic BGP	per hour	-	-	0,0044	0,0044
Elastic IP – Mail BGP	per hour	-	-	0,030074	0,030074
Shared Elastic Load Balancer	per hour	-	-	0,0253	n/a
Dedicated ELB 1 AZ Small I	per hour	-	-	0,045408	0,045408
Dedicated ELB 1 AZ Small II	per hour	-	-	0,071808	0,071808
Dedicated ELB 1 AZ Medium I	per hour	-	-	0,124608	0,124608
Dedicated ELB 1 AZ Medium II	per hour	-	-	0,230208	0,230208
Dedicated ELB 1 AZ Large I	per hour	-	-	0,547008	0,547008
Dedicated ELB 1 AZ Large II	per hour	-	-	1,08	1,08
Dedicated ELB 2 AZ Small I	per hour	-	-	0,090816	0,090816
Dedicated ELB 2 AZ Small II	per hour	-	-	0,143616	0,143616
Dedicated ELB 2 AZ Medium I	per hour	-	-	0,249216	0,249216
Dedicated ELB 2 AZ Medium II	per hour	-	-	0,460416	0,460416
Dedicated ELB 2 AZ Large I	per hour	-	-	1,09	1,09
Dedicated ELB 2 AZ Large II	per hour	-	-	2,15	2,15
Dedicated ELB 3 AZ Small I	per hour	-	-	0,136224	0,136224
Dedicated ELB 3 AZ Small II	per hour	-	-	0,215424	0,215424
Dedicated ELB 3 AZ Medium I	per hour	-	-	0,373824	0,373824
Dedicated ELB 3 AZ Medium II	per hour	-	-	0,690624	0,690624
Dedicated ELB 3 AZ Large I	per hour	-	-	1,64	1,64
Dedicated ELB 3 AZ Large II	per hour	-	-	3,23	3,23

## 6.5.2 Domain Name Service

Domain Name Service (type)	Billing	Cumulated staggered price in units from:	Cumulated staggered price in units to:	EUR (EU-DE)	EUR (EU-NL)
Zones	per hour	-	-	0,00055	0,00055
Queries	Per 1,000,000 units	1	1,000	0,3366	0,3366
		> 1,000	2,000	0,253	0,253
		> 2,000	-	0,1683	0,1683

## 6.5.3 Direct Connect

Direct Connect (type)	Billing	EUR (EU-DE)	EUR (EU-NL)
Setup	One-time billing	274	n/a
Direct Connect 1.0 Ports 1 Gbit/s	per hour	0,034357	n/a
Direct Connect 1.0 Ports 10 Gbit/s	per hour	0,06237	n/a
Direct Connect 1.0 Bandwidth 10 Mbit/s	per hour	0,005764	n/a
Direct Connect 1.0 Bandwidth 50 Mbit/s	per hour	0,017292	n/a
Direct Connect 1.0 Bandwidth 100 Mbit/s	per hour	0,024057	n/a
Direct Connect 1.0 Bandwidth 150 Mbit/s	per hour	0,036086	n/a
Direct Connect 1.0 Bandwidth 200 Mbit/s	per hour	0,033132	n/a
Direct Connect 1.0 Bandwidth 300 Mbit/s	per hour	0,0341	n/a
Direct Connect 1.0 Bandwidth 400 Mbit/s	per hour	0,03465	n/a
Direct Connect 1.0 Bandwidth 500 Mbit/s	per hour	0,035063	n/a
Direct Connect 1.0 Bandwidth 600 Mbit/s	per hour	0,0363	n/a
Direct Connect 1.0 Bandwidth 1 Gbit/s	per hour	0,047432	n/a
Direct Connect 1.0 Bandwidth 5 Gbit/s	per hour	0,051172	n/a
Direct Connect 1.0 Bandwidth 10 Gbit/s	per hour	0,080286	n/a
Direct Connect 2.0 Installation	One-time billing	n/a	1000
Direct Connect 2.0 Port 1Gbit/s	per hour	n/a	1,65
Direct Connect 2.0 Port 10Gbit/s	per hour	n/a	6,886
Direct Connect 2.0 Port 100Gbit/s	per hour	n/a	28,897

## 6.5.4 Private Link Access Service

### 6.5.4.1 EthernetConnect Redundant & Light/Secure Cloud Connect/Cloud Exchange/IntraSelect (VPN)

Private Link Access Service (type)	Billing	Ethernet Connect Redundant	Ethernet Connect Light	Secure Cloud Connect	Cloud Exchange	IntraSelect (VPN)	EUR (EU-DE)	EUR (EU-NL)
Setup	One-time billing	X	X	X	X	X	included	n/a
Ports 1 Gbit/s	per hour	X	X	X	X	X	included	n/a
Ports 10 Gbit/s	per hour	X	X	X	X	X	included	n/a
Bandwidth 10 Mbit/s	per hour			X		X	0,164794	n/a
Bandwidth 50 Mbit/s	per hour			X	X	X	0,329588	n/a
Bandwidth 100 Mbit/s	per hour	X	X	X	X	X	0,350625	n/a

Private Link Access Service (type)	Billing	Ethernet Connect Redundant	Ethernet Connect Light	Secure Cloud Connect	Cloud Exchange	IntraSelect (VPN)	EUR (EU-DE)	EUR (EU-NL)
Bandwidth 150 Mbit/s	per hour			X		X	0,371663	n/a
Bandwidth 200 Mbit/s	per hour			X	X	X	0,3927	n/a
Bandwidth 300 Mbit/s	per hour			X		X	0,418	n/a
Bandwidth 400 Mbit/s	per hour			X		X	0,4532	n/a
Bandwidth 500 Mbit/s	per hour			X	X	X	0,518925	n/a
Bandwidth 600 Mbit/s	per hour			X		X	0,5511	n/a
Bandwidth 1 Gbit/s	per hour	X	X	X	X	X	0,7293	n/a
Bandwidth 5 Gbit/s	per hour			X		X	3,65	n/a
Bandwidth 10 Gbit/s	per hour			X		X	6,52	n/a

#### 6.5.5 Secure Mailgateway

Secure Mail Gateway Services (type)	Billing	EUR (global)
SMTP mail dispatch	Customer/per month	23,00

#### 6.5.6 NAT Gateway

NAT Gateway (type)	Billing	EUR (EU-DE)	EUR (EU-NL)
NAT Gateway – Small	per hour	0,13728	0,13728
NAT Gateway – Medium	per hour	0,50336	0,50336
NAT Gateway – Large	per hour	1,88	1,88
NAT Gateway – Extra-Large	per hour	9,2	9,2

#### 6.5.7 VPC Endpoint

VPC Endpoint (type)	Billing	EUR (EU-DE)	EUR (EU-NL)
VPC Endpoint instance	per hour	0,011	0,011

## 6.6 Management & Applikation

### 6.6.1 Cloud Eye

Type	Billing	EUR (EU-DE)	EUR (EU-NL)
Cloud Eye	n/a	included	included

### 6.6.2 Cloud Trace Service

Type	Billing	EUR (EU-DE)	EUR (EU-NL)
Cloud Trace Service	n/a	included	included

### 6.6.3 Simple Message Notification

Simple Message Notification (type)	Billing	Cumulated staggered price in units from:	Cumulated staggered price in units to:	EUR (EU-DE)	EUR (EU-NL)
API Calls	Million units/month	0	1	included	included
		> 1		0,55	0,50
SMS Calls	in units/month	0	100	included	included
		> 100		0,12	0,11
E-Mail Calls	in units/month	0	1,000	included	included
		> 1,000		0,000023	0,000021
HTTP/HTTPS Calls	in units/month	0	100,000	included	included
		> 100,000		0,000001	0,000001
Traffic Outbound – up flow	GB/month	0	1	included	included
		> 1	1,000	0,074489	0,06704
		> 1,000	10,000	0,070351	0,063316
		> 10,000	50,000	0,066	0,0594
		> 50,000	150,000	0,0462	0,04158
		> 150,000	500,000	0,0451	0,04059
		> 500,000	1,000,000	0,0429	0,03861
> 1,000,000	5,000,000	0,04235	0,038115		
		> 5,000,000	-	0,0418	0,03762

#### 6.6.4 Distributed Message Service – Kafka Premium

Distributed Message Service (type)	Billing	EUR (EU-DE)	EUR (EU-NL)
Instanz Mini	per hour	0,415296	0,373766
Instanz Small	per hour	1,11	0,999
Instanz Medium	per hour	2,21	1,99
Instanz High	per hour	4,43	3,99
Elastic Volume Storage - High I/O	Space in GB/Month	0,066	0,0594
Elastic Volume Storage – Ultra High I/O	Space in GB/Month	0,11	0,099
Elastic IP	per hour	0,0044	0,00396

#### 6.6.5 OpenStack Projekte

Type	Billing	Euro (EU-DE)	Euro (EU-NL)
Projekte	n/a	included	included

#### 6.6.6 Resource Template Service

Type	Billing	Euro (EU-DE)	Euro (EU-NL)
Resource Templates	n/a	included	n/a

#### 6.6.7 Resource Management Service

Type	Billing	Euro (EU-DE)	Euro (EU-NL)
Resource Management Service	Space in GB/Month	included	n/a

#### 6.6.8 Log Tank Service

Type	Billing	Euro (EU-DE)	Euro (EU-NL)
Log Tank Service	Space in GB/Month	0,11	0,099

#### 6.6.9 Software Repository for Container

Type	Billing	Euro (EU-DE)	Euro (EU-NL)
Software Repository for Container	n/a	included	included

## 6.6.10 Application Operations Management

Type	Billing	Euro (EU-DE)	Euro (EU-NL)
Monitored Hosts	per hour	included	n/a
Events	per unit	0,11	n/a
Custom Monitoring Metrics	per hour	included	n/a

## 6.7 Cloud Container Engine

Cloud Container Engine (type)	Billing	Euro (EU-DE)	Euro (EU-NL)
ECS Cluster-small (General purpose) – cce.s1.small	per hour	included	included
ECS Cluster-medium (General purpose) – cce.s1.medium	per hour	0,133395	0,11472
ECS Cluster-small (High Availability) – cce.s2.small	per hour	0,380181	0,326956
ECS Cluster-medium (High Availability) – cce.s2.medium	per hour	0,400185	0,344159
ECS Cluster-large (High Availability) – cce.s2.large	per hour	0,460255	0,395819
ECS Cluster-xlarge (High Availability) – cce.s2.xlarge	per hour	0,92051	0,791639

The Cluster Nodes are billed based on the respective Elastic Cloud Server Flavor price.

## 6.8 Data analysis

### 6.8.1 MapReduce Service

The listed prices are in addition to the Elastic Cloud Server prices of the respective Flavor.

MapReduce Service (type)	EU-DE Open Elastic in EUR/hour	EU-NL Open Elastic in EUR/hour
c3.2xlarge.2.linux.mrs	0,109725	0,098753
c3.4xlarge.2.linux.mrs	0,0627	0,05643
c3.xlarge.4.linux.mrs	0,28215	0,253935
c3.2xlarge.4.linux.mrs	0,21945	0,197505
c3.4xlarge.4.linux.mrs	0,28215	0,253935
c3.8xlarge.4.linux.mrs	0,28215	0,253935
c3.15xlarge.4.linux.mrs	0,28215	0,253935
m3.2xlarge.8.linux.mrs	0,180785	0,162707
m3.4xlarge.8.linux.mrs	0,28215	0,253935
m3.8xlarge.8.linux.mrs	0,28215	0,253935
m4.2xlarge.8.linux.mrs	0,28215	0,253935
m4.4xlarge.8.linux.mrs	0,28215	0,253935
m4.8xlarge.8.linux.mrs	0,28215	0,253935
m4.16xlarge.8.linux.mrs	0,28215	0,253935
c4.xlarge.4.linux.mrs	0,28215	0,253935
c4.2xlarge.2.linux.mrs	0,28215	0,253935
c4.2xlarge.4.linux.mrs	0,28215	0,253935
c4.4xlarge.2.linux.mrs	0,28215	0,253935
c4.4xlarge.4.linux.mrs	0,0627	0,05643
c4.8xlarge.2.linux.mrs	0,109725	0,098753
c4.8xlarge.4.linux.mrs	0,28215	0,253935
c4.16xlarge.4.linux.mrs	0,21945	0,197505

\*Minimum provision period

## 6.8.2 Data Warehouse Service

Data Warehouse Services (type)	Billing	Euro (EU-DE)	Euro (EU-NL)
Node dws.m3.xlarge	per hour	1,94	n/a
Node dws.d2.xlarge	per hour	3,88	n/a
Node dws2.m6.4xlarge.8	per hour	7,75	n/a
Node dws2.m6.8xlarge.8	per hour	11,02	n/a
Node dws.d2.15xlarge	per hour	0,463478	n/a
Node dws2.m6.16xlarge.8	per hour	0,806685	n/a
Backup Space	Space in GB/Month	0,0242	n/a

## 6.8.3 Data Ingestion Service

Data Ingestion Services (type)	Billing	Euro (EU-DE)	Euro (EU-NL)
Common Partition	per hour	0,017424	n/a
Advanced Partition	per hour	0,08712	n/a
Common Requests	pro 1,000,000 Stück	0,01694	n/a
Advanced Requests	pro 1,000,000 Stück	0,01694	n/a
Common Storage Space	GB/Month	0,023232	n/a
Advanced Storage Space	GB/Month	0,023232	n/a

## 6.8.4 ModelArts

ModelArts (type)	Billing	ExeML	Notebook	Training	Service Deployment	Dedicated Resources	EUR (EU-DE)	EUR (EU-NL)
Computing-intensive CPU 2U	per hour		X	X	X	X	0,14916	n/a
Computing-intensive CPU 8U	per hour		X				0,59664	n/a
Computing-intensive GPU V100	per hour		X	X		X	3,11	n/a
Computing-intensive GPU 4*V100	per hour			X			12,45	n/a
Enh. computing-intensive 1 (V100) Training	per hour	X					3,06	n/a
Enh. computing-intensive 3 (CPU) Inference	per hour	X					0,14916	n/a
Volume Storage	Volumen in GB/month		X				0,066000	n/a

## 6.8.5 Data Lake Insight

Data Lake Insight	Billing	EUR (EU-DE)	EUR (EU-NL)
DLI ondemand flink job per cu	per hour	0,062563	n/a
DLI ondemand per cu	per hour	0,062563	n/a
DLI storage	Volumen in GB/month	0,0572	n/a
DLI scan	Volumen in GB/month	0,0055	n/a
DLI elastic resource pool	per hour	included	n/a

## 6.9 Security

### 6.9.1 Anti-DDoS

Security Services (type)	Billing	Euro (EU-DE)	Euro (EU-NL)
Anti-DDoS	n/a	included	included

### 6.9.2 Key Management Service

Key Management Service (type)	Billing	Cumulated staggered price in units from:	Cumulated staggered price in units to:	EUR (EU-DE)	EUR (EU-NL)
Kunden Masterkey	per hour	-	-	0,001513	0,001362
API Calls	in units/month	0	20,000	Free of charge	Free of charge
		> 20,000	-	0,000003	0,000003

### 6.9.3 Web Application Firewall

Web Application Firewall (type)	Billing	Cumulated staggered from:	Cumulated staggered to:	EUR (EU-DE)	EUR (EU-NL)
Requests	per 1,000,000 units/month	-	-	0,66	0,594
Domain	per hour	0	2,000	0,22605	0,203445
		> 2,000	5,000	0,18832	0,169488
		> 5,000	-	0,1507	0,13563

## 6.10 Optionale Leistungen

### 6.10.1 Mobile Storage Solution

Mobile Storage Solution (Type)	Billing	Euro (global)
Mobile Storage	One-time charge (includes 20 days)	220,00
Extension	per day	22,00

The MSS is currently not available and cannot be ordered due to technical issues.

### 6.10.2 Enterprise Dashboard

Dashboard (type)	Billing	Euro (global)
API Calls	1000 units per month	Free of charge until December 31, 2022
Enterprise Dashboard Small	Tenant per month	Free of charge
Enterprise Dashboard Medium	per month	100,00
Enterprise Dashboard Large	per month	250,00

## 6.11 Preview and beta versions

### 6.11.1 Management & Applikation

#### 6.11.1.1 Cloud Topology Designer

The Cloud Topology Designer is provided free of charge in the beta phase.

### 6.11.2 Cloud Container Engine Turbo

The Cloud Container Engine Turbo Service is billed exactly as the Cloud Container Engine Service during the beta phase.

### 6.11.3 Web Application Firewall (Dedicated)

Security Services (Type)	Unit	Euro (EU-DE)	Euro (EU-NL)
Dedicated WAF WI-100 100 Mbit/s; 2000 QPS	per hour	0,163698	n/a
Dedicated WAF WI-500 500 Mbit/s; 10000 QPS	per hour	0,553532	n/a

## 7 Termination/minimum lease periods

### 7.1 Termination of individual services

Individual services with no minimum term can be terminated at any time by the customer and Telekom. Services with a minimum term will end automatically without requiring notice of termination. When individual services end, the terminated customer resources will be erased and released.

### 7.2 Termination of the Tenant

The customer can terminate a tenant with a notice period of four weeks to the end of the month or to the end of the last service with a minimum term.

Two weeks before the termination of the Tenant takes effect, the Tenant is frozen (grace period). It is no longer possible to use the Tenant's resources or save data. No costs are incurred for a Tenant during the grace period.

The customer can revoke the termination of a Tenant in text form to the Service Desk no later than two days before the termination takes effect. After confirmation of the termination of the Grace Period, the customer may restart and use the resources of the Tenant.

When the termination of the Tenant becomes effective, all of the customer's options to access the Open Telekom Cloud service will be deactivated and all of the customer's resources will be erased and released.

### 7.3 Data backup upon termination

The customer must back up its application data independently and under its own responsibility before the grace period comes into effect. In the event of any questions, the customer may contact the Service Desk to enquire about data backup options.

Term	Description
ACL	Access Control List
API	Application Programming Interface – typically used for automatic control and/or integration into higher-level orchestration
BGP	Border Gateway Protocol
Buckets	Container for objects in the object storage service
CET/CEST	Central European Time/Central European Summer Time
CLI	Command Line Interface
CORS	Cross-Origin Resource Sharing
D/R	Disaster recovery (protection against the failure of a whole data center, e.g., in the event of a disaster)
DBaaS	Database as a Service
DDoS	Distributed Denial of Service
DHCP	Dynamic Host Configuration Protocol
DNS	Domain Name Service
DNS record	Record of a Domain Name Service zone
DNS zone	Part of the domain hierarchy which is managed by a name server
ELB	Elastic Load Balancer
EU-DE	Europe-Germany
EU-NL	Europe-Netherlands
EVS	Elastic Volume Service
Flavor	Synonym for an Elastic Cloud Server type
GB	Gigabyte
Gbit/s	Gigabits per second
GUI	Graphical User Interface
HA	High Availability
HDFS	Hadoop Distributed File System
HTTP	Hypertext Transfer Protocol
HTTPS	Hypertext Transfer Protocol Secure
Hypervisor	Virtualization layer between hardware and operating system
I/O	Input/Output
IaaS	Infrastructure as a Service
Inbound	Incoming connection
Instance	Virtual Machine
IOPS	Input/Output operations per second
IP	Internet Protocol
IPsec	Internet Protocol Security
ISV	Independent Software Vendor
AI	Artificial Intelligence
MB	Megabyte
Mbit/s	Megabits per second
MPLS	Multiprotocol Label Switching
ms	Milliseconds
NAS	Network Attached Storage
NAT	Network Address Translation
n/a	not available (e.g., Feature / Flavor is in a Region)

OTC	Open Telekom Cloud
Outbound	Outgoing connection
PB	Petabyte
PLAS	Private Link Access Service
Quota	Virtual resource limit per Tenant or OpenStack project
RAM	Random Access Memory
RDS	Relational Database Service
REST	Representational State Transfer
RHEL	Red Hat Enterprise Linux
SAS	Serial Attached SCSI
Scale in/out	Horizontal scaling
SATA	Serial Advanced Technology Attachment
SCSI	Small Computer System Interface
SFS	Scalable File Service
SLES	SUSE Enterprise Linux
SMS	Short Message Service
SMTP	Simple Mail Transfer Protocol
SNAT	Source Network Address Translation
SPAM	Mass unsolicited sending of electronic messages
SSD	Solid State Disk
Day	Categorization of resources
Separator	Technical: English spelling (thousands separated by comma (e.g., 1,100)) Euro amounts: thousands separated by comma (e.g., € 1,100.53)
TB	Terabyte
Twin Core	Redundant data center at a minimum distance of 10 km for DR scenarios
URL	Uniform Resource Locator
vCPU	Virtual Central Processing Unit
vGPU	Virtual Graphics Processing Unit
VM	Virtual Machine
VNC	Virtual Network Computing
VPC	Virtual Private Cloud
VPN	Virtual Private Network (typically via IPsec and Site2Site scenario) – enables secure communication via insecure connection paths such as the Internet