

Open Telekom Cloud

Creating a Secure Connected World



Service Specifications & Additional Terms and Conditions

Open Telekom Cloud

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Connecting
your world.

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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
- Zugang und Sicherheit
 - 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 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.

2.9 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 1) to 2):

1. Telekom has the right to make unilateral amendments to legal terms and conditions, service specifications, and prices which are in favor of the customer.
2. 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

The Elastic Cloud Server and Dedicated Host is deployed on the KVM hypervisor and supports hard drives up to 32 TB, depending on the operating system you choose. Details can be found when the image is selected.

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:

1. General purpose (s2/s3/s7n): vCPU/RAM ratio – 1:1; 1:2; 1:4; 1:8
2. General purpose (s7n): vCPU/RAM ratio – 1:1; 1:2; 1:4
3. Dedicated general purpose (c3/c3n*/c4/c4ne*/c7n): vCPU/RAM ratio – 1:2; 1:4; 1 vCPU corresponds to a physical core
4. Memory optimized (m3/m3n*/m4/m7n): 1 vCPU corresponds to a physical core and vCPU/RAM ratio – 1:8 and higher
5. GPU accelerated (g6/g7/g7v/pi2/p2s/p2v/p3): Nvidia T4, V100, A100, A40, H100 GPUs
6. Large memory (e3/e6): vCPU/RAM ratio – 1:12; 1:14; 1:18
7. Disk intensive (d2): vCPU/RAM ratio – 1:8, contain local hard disks
8. Ultra-High I/O (i3/i3m): vCPU/RAM ratio – 1:4; 1:8, local NVMe SSDs

*This Service is available for use in Cloud Container Engine Turbo only. And not available for use as a virtual computing server.

A compatibility matrix of supported operating systems can be viewed at [https:// imagefactory.otc.t-systems.com/flavor-images](https://imagefactory.otc.t-systems.com/flavor-images).

3.1.1.1 General purpose – s2

Flavor sizes including the prices can be found in the price chapter [6.2.1.1](#).

3.1.1.2 General purpose – s3

Flavor sizes including the prices can be found in the price chapter [6.2.1.2](#).

3.1.1.3 General purpose – s7n

Flavor sizes including the prices can be found in the price chapter [6.2.1.3](#).

3.1.1.4 Dedicated general purpose – c3 & c3n

Flavor sizes including the prices can be found in the price chapter [6.2.1.4](#).

The flavor c3n is available for use in Cloud Container Engine Turbo only. And not available for use as a virtual computing server.

3.1.1.5 Dedicated general purpose – c4 & c4ne

Flavor sizes including the prices can be found in the price chapter [6.2.1.5](#).

The flavor c4ne is available for use in Cloud Container Engine Turbo only. And not available for use as a virtual computing server.

3.1.1.6 Dedicated General purpose – c7n

Flavor sizes including the prices can be found in the price chapter [6.2.1.6](#).

3.1.1.7 Memory optimized m3 & m3n

Flavor sizes including the prices can be found in the price chapter [6.2.1.7](#).

The flavor m3n is available for use in Cloud Container Engine Turbo only. And not available for use as a virtual computing server.

3.1.1.8 Memory optimized m4

Flavor sizes including the prices can be found in the price chapter [6.2.1.8](#).

3.1.1.9 Memory optimized – m7n

Flavor sizes including the prices can be found in the price chapter [6.2.1.9](#).

3.1.1.10 GPU accelerated (NVIDIA graphics cards)

Optimized Flavor based on NVIDIA T4, V100, A100, A40 and H100 graphics cards for graphics and compute-intensive applications. Most GPU flavors using a non-virtualizes GPUs, means a direct & full access to the GPU via pass through mapping. Except the g7v flavors, those flavors facilitating GPU virtualization, to assign only a specific share of the GPU to a VM (percentage 16% / 33% / 50%). The p2v Flavor have the NVlink function.

Flavor Type	vCPU amount	RAM in GB	GPU Anzahl	GPU RAM in GB	GPU Type
pi2.2xlarge.4	8	32	1	16	NVIDIA T4
pi2.3xlarge.4	12	48	1	16	NVIDIA T4
pi2.4xlarge.4	16	64	2	32	NVIDIA T4
pi2.8xlarge.4	32	128	4	64	NVIDIA T4
pi2.16xlarge.4	64	256	8	128	NVIDIA T4
g6.4xlarge.4	16	64	1	16	NVIDIA T4
g6.10xlarge.7	40	280	1	16	NVIDIA T4
g6.20xlarge.7	80	560	2	32	NVIDIA T4
g7.12xlarge.8	48	384	1	48	NVIDIA A40
g7.24xlarge.8	96	768	2	96	NVIDIA A40
g7v.2xlarge.8	8	64	1/6	8	NVIDIA A40
g7v.4xlarge.8	16	128	1/3	16	NVIDIA A40
g7v.6xlarge.8	24	192	1/2	24	NVIDIA A40
p2v.2xlarge.8	8	64	1	16	NVIDIA V100
p2v.4xlarge.8	16	128	2	32	NVIDIA V100
p2v.8xlarge.8	32	256	4	64	NVIDIA V100
p2v.16xlarge.8	64	512	8	128	NVIDIA V100
p2s.2xlarge.8	8	64	1	32	NVIDIA V100
p2s.4xlarge.8	16	128	2	64	NVIDIA V100
p2s.8xlarge.8	32	256	4	128	NVIDIA V100
p2s.16xlarge.8	64	512	8	256	NVIDIA V100
p3.2xlarge.8	8	64	1	80	NVIDIA A100
p3.4xlarge.8	16	128	2	160	NVIDIA A100
p3.8xlarge.8	32	258	4	320	NVIDIA A100
p3.16xlarge.8	64	512	8	640	NVIDIA A100
p5s.5xlarge.12	20	240	1	80	NVIDIA H100
p5s.10xlarge.12	40	480	2	160	NVIDIA H100
p5s.20xlarge.12	80	960	4	320	NVIDIA H100
p5s.40xlarge.12	160	1920	8	640	NVIDIA H100

Price Table at

[6.2.1.10](#)

3.1.1.11 Large memory III + VI

Optimized Flavor for highly scaled Enterprise applications of the type in- memory computing. Flavor sizes including the prices can be found in the price chapter [6.2.1.11](#).

3.1.1.12 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. Flavor sizes including the prices can be found in the price chapter [6.2.1.12](#).

3.1.1.13 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. Flavor sizes including the prices can be found in the price chapter [6.2.1.13](#).

3.1.1.14 Physical Elastic Cloud Server

The Physical Elastic Cloud Server offers the provision of isolated, physical, and non-virtualized servers. As well Physical Elastic Cloud Server provides a physical Host with INTEL Software Guard Extensions (SGX) enabled, to be used to isolate applications in a secure enclave.

The following physical Hosts are available to the customer:

expected to be no longer available from 31.12.2024:

Physical ECS (type)	Sockets	Cores per Socket	Hardware Specifications
physical.i7n.28xlarge.4	2	28	- Intel Xeon Gold 6348 Ice lake (2.6GHz, 42MB cache) - Intel SGX enabled - 512 GB RAM - 2x 100GE NIC

Physical ECS (type)	Sockets	Cores per Socket	Hardware Specifications
physical.c7t.28xlarge.4	2	28	- Intel Xeon Gold 6348 Ice lake (2.6GHz, 42MB cache) - Intel SGX enabled - 512 GB RAM - 2x 100GE NIC

Price Table at [6.2.1.14](#)

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	vCPUs	RAM in GB	Supported Elastic Cloud Servers	local disk
General purpose - s2	2	22	144	704	General purpose (s2)	-
General purpose - s2-medium	2	12	72	328	General purpose (s2)	-
Dedicated general purpose - c3	2	18	60	256	Dedicated general purpose (c3)	-
Dedicated general purpose - c4	2	22	74	296	Dedicated general purpose (c4)	-
Memory optimized - m3	2	18	60	512	Memory optimized (m3)	-
Memory optimized - m4	2	22	76	608	Memory optimized (m4)	-
Ultra High I/O - i3	2	26	92	324	Ultra High I/O (i3)	10x 3,2 TB NVMe
General purpose - s3	2	26	164	704	General purpose (s3)	-

Price Table at [6.2.2](#)

3.1.3 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.

Price Table at [6.2.3](#)

3.1.4 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.

Price Table at [6.2.4](#)

3.1.4.1 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>.

1. SUSE Enterprise Linux (SLES)
2. Oracle Linux
3. Red Hat Enterprise Linux
4. Microsoft Windows Server

3.1.4.2 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. 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). However, the customer's use of Microsoft Windows Server and Microsoft SQL Server Licenses is limited to Dedicated Hosts and Bare Metal Hosts.

3.1.5 FunctionGraph

FunctionGraph is a managed service that hosts and computes event-driven functions in a serverless environment. It provides users an environment to write code without having to compile a program and set conditions when the function should be triggered. The service manages the necessary compute resources fully automatically.

You will be billed based on the number of function requests and execution duration. Reserved instances can be created to initialize functions to eliminate the impact of cold start on your services. Reserved instances are always alive in the execution environment.

For the use of reserved instances, you will be billed based on the number of requests and the running duration of reserved instances. The minimum running duration is 60s.

If "Idle Mode" in Reserved instances is active, you will be billed based on the number of requests and the spare execution duration of reserved instances.

Price Table at [6.2.5](#)

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. In the case of primary/standby, read replicas are also offered, which are billed as single instances. For MySQL and PostgreSQL, a distinction is made between General Purpose and Dedicated variants. General Purpose shares CPU resources with other general-purpose instances on the same physical machine to maximize CPU usage through resource reuse. Dedicated allocates completely and exclusively CPU and memory and will not be affected by the behavior of other instances on the physical machine.

- MySQL (Price Table at [6.3.1.1](#))
- PostgreSQL (Price Table at [6.3.1.2](#))
- Microsoft SQL Server Standard and Enterprise Edition (MSSQL Server) (Price Table at [6.3.1.3](#))

The available pre-assembled Flavors for the Relational Database Service can be found in the price tables. The Elastic Volume Service to be used with the Flavors has the following characteristics:

- Hard disc size: 40 GB to 4 TB
- Extreme SSD and Ultra-High I/O (also called Cloud SSD)

Prices for storage and backup can be found under [6.3.1.4](#)

The following RDS MySQL proxies are available:

Relational Database Service Flavor (type)	vCPU (quantity)	RAM	MySQL
RDS Proxy large	2	4 GB	X
RDS Proxy xlarge	4	8 GB	X
RDS Proxy 2xlarge	8	16 GB	X

3.2.2 Distributed Cache Service

Price Table for Distributed Cache Service basierend auf Redis 3.x at [6.3.2.1](#)

New Redis 3.x instances can no longer be booked. The existing instances can still be used as usual.

Price Table for Distributed Cache Service basierend auf Redis 4.x, 5.x und 6.x at [6.3.2.2](#)

Distributed Cache Service allows the customer to create a NoSQL in-memory database based on Redis. 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 three different variants:

- Single: each DCS instance only runs on one cache node (primary)
- Primary / Standby: the DCS instances run in Master / Standby mode. With 2-5 Replicas

- Clusters: Base on distributed architecture and data is evenly sharded and stored on three cluster nodes, providing higher performance. Each cluster node support 2-5 replicas to ensure reliability

expected to be available from 01.01.2025:

Two additional DCS instance types:

- Read/Write splitting: DCS Operations are automatically routed to the correct instances
- Proxy cluster: Based on DCS Cluster - hiding clustering and fail-over mechanisms from clients

Distributed Cache Service Flavor (type)	Total Memory	Max. Connections (Default/Limit)	Maximum Bandwidth
Single Node and Master Standby Node	0.125 GB	10,000/10,000	40 Mbit/s
	0.25 GB	10,000/10,000	80 Mbit/s
	0.5 GB	10,000/10,000	80 Mbit/s
	1 GB	10,000/50,000	80 Mbit/s
	2 GB	10,000/50,000	128 Mbit/s
	4 GB	10,000/50,000	192 Mbit/s
	8 GB	10,000/50,000	192 Mbit/s
	16 GB	10,000/50,000	256 Mbit/s
	24 GB	10,000/50,000	256 Mbit/s
	32 GB	10,000/50,000	256 Mbit/s
	48 GB	10,000/50,000	256 Mbit/s
	64 GB	10,000/50,000	384 Mbit/s

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

Distributed Cache Service Flavor (type)	Total Memory	Shards (Master Nodes)	Max. Connections (Default/Limit)	Maximum Bandwidth
Cluster-Node	4 GB	3	30,000/150,000	2304 Mbit/s
	8 GB	3	30,000/150,000	2304 Mbit/s
	16 GB	3	30,000/150,000	2304 Mbit/s
	24 GB	3	30,000/150,000	2304 Mbit/s
	32 GB	3	30,000/150,000	2304 Mbit/s
	48 GB	6	60,000/300,000	4608 Mbit/s
	64 GB	8	80,000/400,000	6144 Mbit/s
	96 GB	12	120,000/600,000	9216 Mbit/s
	128 GB	16	160,000/800,000	12,288 Mbit/s
	192 GB	24	240,000/1,200,000	18,432 Mbit/s
	256 GB	32	320,000/1,600,000	24,576 Mbit/s
	384 GB	48	480,000/2,400,000	36,864 Mbit/s
	512 GB	64	640,000/3,200,000	49,152 Mbit/s
	768 GB	96	960,000/4,800,000	73,728 Mbit/s
	1024 GB	128	1,280,000/6,400,000	98,304 Mbit/s

3.2.3 Document Database Service

Document Database Service (DDS) is a cloud computing-based NoSQL database featuring high performance storage, high availability architecture, and disaster recovery failover, along with online scaling, backup, and restoration capabilities. 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 Modus

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 (Typ)	vCPU (Anzahl)	RAM	EVS Festplatten-größe	EVS Festplatten-typen
Node	1	4 GB	10 GB bis 2 TB	Ultra-High I/O
	2	8 GB	10 GB bis 2 TB	Ultra-High I/O
	4	16 GB	10 GB bis 2 TB	Ultra-High I/O
	8	32 GB	10 GB bis 2 TB	Ultra-High I/O
	16	64 GB	10 GB bis 2 TB	Ultra-High I/O

Price Table at [6.3.3](#)

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 instance can be deployed as standalone or cluster mode. A 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: `css.8xlarge.8`

Cloud Search Service (type)	vCPU (amount)	RAM in GB	EVS disk size in GB
css.medium.8	1	8	40 – 640
css.large.4*	2	8	40–800
css.large.8*	2	16	40 – 1,280
css.xlarge.2	4	8	40 – 800
css.xlarge.4	4	16	40 – 1,600
css.xlarge.8	4	32	40 – 2,560
css.2xlarge.2	8	16	80 – 1,600
css.2xlarge.4	8	32	80 – 3,200
css.2xlarge.8	8	64	80 – 5,120
css.4xlarge.2	16	32	100 – 3,200
css.4xlarge.4	16	64	100 – 6,400
css.4xlarge.8	16	128	160 – 10,240
css.8xlarge.2	32	64	320 – 10,240
css.8xlarge.4	32	128	160 – 10,240
css.8xlarge.8	32	256	320 -20,480

Price Table at [6.3.4](#)

*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. Price Table at [6.3.5](#)

3.2.6 GaussDB (for MySQL)

GaussDB (for MySQL) is the enterprise-class distributed database. It is fully compatible only with MySQL 8.0 and provides high scalability and massive storage capacity. It uses a decoupled compute and storage architecture. The following x86 Flavors are available to the customer:

GaussDB Service (type)	vCPU (quantity)	RAM	Max. number of connections
gaussdb.mysql.large.x86.8	2	8 GB	10,000
gaussdb.mysql.xlarge.x86.8	4	32 GB	10,000
gaussdb.mysql.2xlarge.x86.8	8	64 GB	10,000
gaussdb.mysql.4xlarge.x86.8	16	128 GB	18,000
gaussdb.mysql.8xlarge.x86.8	32	256 GB	30,000
gaussdb.mysql.16xlarge.x86.8	64	512 GB	60,000

Price Table at

[6.3.6](#)

The following ARM Flavors are available to the customer:

GaussDB Service (type)	vCPU (quantity)	RAM	Max. number of connections
gaussdb.mysql.large.arm.8	2	8 GB	10,000
gaussdb.mysql.xlarge.arm.8	4	32 GB	10,000
gaussdb.mysql.2xlarge.arm.8	8	64 GB	18,000
gaussdb.mysql.4xlarge.arm.8	16	128 GB	18,000
gaussdb.mysql.8xlarge.arm.8	32	256 GB	30,000
gaussdb.mysql.12xlarge.arm.8	48	384 GB	60,000
gaussdb.mysql.15xlarge.arm.8	60	480 GB	60,000

3.2.7 GeminiDB

GeminiDB is a cloud-native NoSQL database compatible with Cassandra. It supports Cassandra Query Language (CQL), which gives you SQL-like syntax. The following x86 Flavors are available to the customer:

GeminiDB NoSQL (type)	vCPU (quantity)	RAM	Max. Storage Space (GB)
geminidb.cassandra.xlarge.8	4	32 GB	24,000
geminidb.cassandra.2xlarge.8	8	64 GB	48,000
geminidb.cassandra.4xlarge.8	16	128 GB	96,000
geminidb.cassandra.8xlarge.8	32	256 GB	192,000
geminidb.cassandra.15xlarge.8	60	480 GB	360,000

Price Table at

[6.3.7](#)

3.2.8 Distributed Database Middleware

Distributed Database Middleware (DDM) is a MySQL-compatible, distributed middleware service designed for relational databases. It can resolve distributed scaling issues to break through capacity and performance bottlenecks of databases, helping handle highly concurrent access to massive volumes of data. Price Table at

[6.3.8](#)

3.2.9 Data Admin Service

Data Admin Service (DAS) is a one-stop cloud database management platform that allows you to manage databases on a web console. It offers database development, O&M, and intelligent diagnosis, making it easy to use and maintain your databases. Price Table at [6.3.9](#)

3.2.10 Oracle-optimized

A virtual compute server Oracle-optimized consists of a virtual processor (vCPU), virtual memory (RAM), OS image (Oracle- optimized operating system) and storage classes (ZFS) specially optimized for databases. To initially provide an Oracle- optimized service, manual configurations are required in the customer tenant's network. Customer's cooperation is necessary here. There is a one-time setup fee for the setup. This includes the necessary configuration of all network components between Oracle- optimized flavors and VPCs of Open Telekom Cloud tenant.

Oracle-optimized service supports only Bring your own License (BYOL).

The following Oracle-optimized Server types are offered:

Oracle-optimized Server Flavor (Typ)	Hypervisor	vCPU (quantity)	RAM	ZVS - hard disk size
oo.xlarge.4	KVM	4	16 GB	up to zu 16 TB
oo.2xlarge.4	KVM	8	32 GB	up to zu 16 TB
oo.2xlarge.8	KVM	8	64 GB	up to zu 16 TB
oo.2xlarge.16	KVM	8	128 GB	up to zu 16 TB
oo.2xlarge.32	KVM	8	256 GB	up to zu 16 TB
oo.3xlarge.5	KVM	12	64 GB	up to zu 16 TB
oo.3xlarge.10	KVM	12	128 GB	up to zu 16 TB
oo.3xlarge.20	KVM	12	256 GB	up to zu 16 TB
oo.4xlarge.4	KVM	16	64 GB	up to zu 16 TB
oo.4xlarge.8	KVM	16	128 GB	up to zu 16 TB
oo.4xlarge.16	KVM	16	256 GB	up to zu 16 TB
oo.6xlarge.10	KVM	24	256 GB	up to zu 16 TB
oo.6xlarge.20	KVM	24	512 GB	up to zu 16 TB
oo.8xlarge.8	KVM	32	256 GB	up to zu 16 TB
oo.8xlarge.16	KVM	32	512 GB	up to zu 16 TB

Price Table at [6.3.10](#)

Other sizes are available upon request. Please contact our customer support (Service Desk). The above Oracle-optimized server types are available in 2 Availability Zones within the EU-DE region. Oracle-optimized Servers can only be booked in conjunction with Oracle-based Storage (ZFS).

3.2.10.1 High availability

Can be achieved by setting up multiple Oracle-optimized instances in different Availability Zones. The necessary database replications must be set up by the customer themselves.

3.2.10.2 License terms

License terms for the usage of Oracle Linux operating system can be found in Chapter [3.10.2](#) Individual license terms. For further information regarding licensing, please contact our customer support (Service Desk).

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 available via 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. Price Tables at [6.4.1](#)

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.

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	GP SSD	Ultra-High I/O	Extreme SSD*
Max. IOPS per disk	1,000	3,000	20,000	20,000	128,000
Max. data throughput per disk	90 MB/s	150 MB/s	250 MB/s	350 MB/s	1 GB/s
Average response time	10–15 ms	6–10 ms	1 ms	1–3 ms	Submillisecons

*The Extreme SSD disk in the EU-NL region is only available in limited quantities. If you are interested, please contact our customer support. After consultation, they will activate the discs in your tenant when quantities are available.

Price Table at [6.4.3](#)

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. Due to the extensive functionalities we suggest to use the Cloud Backup & Recovery Services for mission critical workloads. You can find a migration functionality from Volume Backup Service to Cloud Backup & Recovery Service within the OTC Console under the service Cloud Backup & Recovery Service. Price table at [6.4.6](#).

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. Price table at [6.4.6](#).

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 select from upcoming file-services:

	SFS Common / O*	SFS Turbo Standard	SFS Turbo Standard Enhanced	SFS Turbo Performance	SFS Turbo Performance Enhanced	SFS Turbo HPC 20	SFS Turbo HPC 40	SFS Turbo HPC 125	SFS Turbo HPC 250
Volume size	up to 4 PB	500 GB - 32 TB	10 TB - 320 TB	500 GB - 32 TB	10 TB - 320 TB	3.6 TB to 1 PB	1.2 TB to 1 PB	1.2 TB to 1 PB	1.2 TB to 1 PB

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

Price Table at [6.4.4](#)

3.3.6 Storage Disaster Recovery Service

The Storage Disaster Recovery Service (SDRS) replicates your block storage data to another AZ of the Open Telekom Cloud. This means that in the event of a failure of an AZ, you can start the corresponding servers with the current data in another AZ. With the DR drill function, it is possible to test the failure mechanisms and disaster recovery function at any time. Price Table at [6.4.5](#)

3.3.7 Cloud Backup and Recovery

The Cloud Backup and Recovery Service provides a backup/restore solution for the Elastic Cloud Service, Elastic Volume Service & SFS Turbo. The customer can choose whether all or individual Elastic Volumes of an Elastic Cloud Server or SFS Turbo Shares are backed up. The customer has the option to configure the execution time of the automated backup and its retention period. The backup of SFS Turbo shares can be used to create new Scalable File Service Turbo shares. A direct restore of SFS Turbo shares is not available. The replication function can be used to transfer Elastic Cloud Service backups from one region of the Open Telekom Cloud to another. Price table at [6.4.6](#).

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,

expected to be no longer available from 01.01.2025:
shared SNAT

, security groups, and firewall access authorization lists (ACL policy).

expected to be no longer bookable from 01.03.2025:

The customer is provided with a Classic VPN gateway on an IP-Sec basis for the connection with its corporate network.

A final end of live of the Classic VPN in EU-DE is scheduled for 01.06.2025. Existing customers will have to migrate to our Enterprise VPN by 01.06.2025.

Customers in the EU-NL region are not affected by the above changes.

Price Table at [6.5.1](#)

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. Price Table at [6.5.1](#)

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:

1. Shared Elastic Load Balancer
2. 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. Price Table at [6.5.1](#)

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. Price Table at [6.5.2](#)

3.4.5 Direct Connect

Direct Connect enables the connection of a your local network to the Open Telekom Cloud. On the OTC side, you require a virtual infrastructure consisting of virtual routers in your VPC. To connect your locations, you need to engage a network provider for the OTC data center connection. There are dedicated Ports and hosted ports available for Direct Connect, make sure to inquire about the available connection options from the helpdesk beforehand. For various use cases (such as termination on a crypto box or physical firewall), it is also possible to rent a co-location environment to connect your systems in- house to the Open Telekom Cloud. Direct Connect can also be setup in a redundant 2 port configuration.

Price Table at [6.5.3](#)

expected to be no longer available from 01.02.2025:

Direct Connect 1.0 and the Private Link Access Service (PLAS). Affected customers must migrate to the new Direct Connect 2.0 Architecture. Please contact our Service Desk to arrange a migration date.

expected to be no longer available from 01.02.2025:

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

Since 26.04.2023, an update of the Direct Connect Service means that a Private Link Access Service (PLAS) is no longer required to operate a Direct Connect connection. The Private Link Access Service will therefore be switched off on 01.02.2025. Existing customers will need to migrate to the new Direct Connect architecture.

Price Table at [6.5.4.1](#)

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. Price Table at [6.5.5](#)

3.4.8 NAT Gateway

3.4.8.1 Public 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
Micro	1,000	100
Small	10,000	1,000
Medium	50,000	5,000
Large	200,000	10,000
Extra-Large	1,000,000	30,000

expected to be no longer available from 01.01.2025:

The service Shared SNAT is only accessible via API since 16.12.2023. The service is available until January 1, 2025.

Price Table at [6.5.6.1](#)

expected to be available from 01.02.2025:

3.4.8.2 Private NAT Gateway

The Private NAT Gateway Service offers the possibility of establishing connections between instances of a subnet and an on-premise data center or other subnets. There are the following types of Private NAT Gateway:

NAT Gateway Type	Maximum SNAT Connections
Small	2000
Medium	5000
Large	20000
Extra-Large	50000

Price Table at [6.5.6.2](#)

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/>. Price Table at [6.5.7](#)

3.4.10 Enterprise Router

Enterprise Router allows to connect different Virtual Private Clouds and on-premise Networks via Direct Connect with each other. Using Border Gateway Control (BGP) Enterprise Router is able to learn routes and dynamically select or switch between connections.

Pricetable in [6.5.8](#)

3.4.11 Enterprise VPN

The Enterprise VPN service establishes a secure and reliable IPsec based encrypted communication tunnel between a customer network and a VPC of the Open Telekom Cloud (site-to-site VPN). This allows for the VPC to communicate securely with an on-premise data center. Enterprise VPN gateways are exclusive to a tenant and support multiple connection modes.

Pricetable in [6.5.9](#)

3.5 Management & Deployment

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. Price Table at [6.6.1](#)

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. Price Table at [6.6.2](#)

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. Price Table at [6.6.3](#)

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.

New Kafka 1.1.0 instances are no longer bookable. The existing instances can still be used as usual.

The previously available kafka instances (before 07/2024) supported the following flavors:

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

The new billing model (valid since 7/2024) is applicable for all DMS instances created after the launch of the new version. The previous created instances will be billed according to the previous pricing model.

DMS Single flavors	Number of cores per Broker	Number of Brokers	Maximum Traffic (MB/s)
kafka.2u4g.single.small	5	1	40
kafka.2u4g.single	7	1	100

DMS Cluster flavors	Number of cores per Broker	Number of Brokers	Total number of cores
kafka.2u4g.cluster.small	5	3 -30	15 - 150
kafka.2u4g.cluster	7	3 -30	21 - 210
kafka.4u8g.cluster	14	3 -30	42 - 420
kafka.8u16g.cluster	27	3 -50	81 - 1350
kafka.12u24g.cluster	41	3 -50	123 - 2050
kafka.16u32g.cluster	50	3 -50	150 - 2500

Broker details / flavor	Maximum TPS per Broker	Maximum Partitions per Broker	Traffic per Broker (MB/s)
kafka.2u4g.cluster.small	20,000	100	40
kafka.2u4g.cluster	30,000	250	100
kafka.4u8g.cluster	100,000	500	200
kafka.8u16g.cluster	150,000	1000	250
kafka.12u24g.cluster	200,000	1500	375
kafka.16u32g.cluster	250,000	2000	500

The price is calculated based on the number of brokers included in DMS flavor multiplied with cores per broker.

Examples:

- A kafka.2u4g.cluster with 3 brokers will use 21 cores and can consume up to 300 MB/s traffic
- A kafka.4u8g.cluster with 4 brokers will use 56 cores and can handle up to 300,000 TPS

The temporarily available DMS flavor types kafka.2u4g.cluster.beta (7 cores) and kafka.4u8g.cluster.beta (14 cores) are Kafka 3.4 pilot instances. These instances can be used free of charge for 3 months after the go live. After the pilot phase those DMS flavors will be regularly billed according to pricing table. Details will be announced in the release notes.

Price Table at [6.6.4](#)

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. *The service is only available until December 31, 2023. The following alternatives can be used: <https://docs.otc.t-systems.com/developer/iac.html> Price Table at [6.6.5](#)

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. Price Table at [6.6.6](#)

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 a centralized Cloud logging function to store log data from various sources at one single place. Log data can be forwarded to OBS or DMS for further processing or archiving.

Price Table at [6.6.7](#)

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. Price Table at [6.6.8](#)

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. Price Table at [6.6.9](#)

3.5.13 Application Performance Management

The Application Performance Management (APM) monitors and manages the performance of cloud applications in real time. APM provides performance analysis of distributed applications, helping O&M personnel quickly locate and resolve faults and performance bottlenecks.

Type	Max Number of Agents	Max Storage duration (days)	Collection limit
APM Free	10	7	15 days after activation
APM Enterprise	unlimited	30	unlimited

3.5.14 API Gateway (dedicated)

The API Gateway (APIG) is a dedicated service for API publishing on resources deployed exclusively in your tenant. The dedicated API Gateway (APIG) allows you manage the entire life cycle from creation, debugging, publishing, and taking offline your API's. Several features like request throttling, authentication, managing environments and signatures can be configured as per your needs. Price Table at [6.6.11](#)

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 Container

3.7.1 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
cce.s2.medium	200	X
cce.s2.large	1,000	X
cce.s2.xlarge	2,000	X

Price Table at [6.7.1](#)

3.7.2 Application Service Mesh

Application Service Mesh (ASM) is a non-intrusive solution for you to manage microservice lifecycle and traffic. It is compatible with the Kubernetes and Istio ecosystems and hosts a wide range of features such as load balancing, outlier detection, and fault injection. It also provides diversified built-in grayscale releases, including canary release and blue-green deployment, for one-stop, automated release.

Price Table at [6.7.3](#)

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. 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
m3.4xlarge.8.linux.mrs	KVM	16	128 GB	-	X	X	X
m3.8xlarge.8.linux.mrs	KVM	32	256 GB	-	X	X	X
m3.15xlarge.8.linux.mrs	KVM	60	512 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
m7n.2xlarge.8.mrs	KVM	8	64 GB	-	X	X	X
m7n.4xlarge.8.mrs	KVM	16	128 GB	-	X	X	X
m7n.8xlarge.8.mrs	KVM	32	256 GB	-	X	X	X
m7n.16xlarge.8.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

Price Table at [6.8.1](#)

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. 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	-
dws2.m6.4xlarge.8	KVM	16	128 GB	2 TB SSD	-
dws2.m6.8xlarge.8	KVM	32	256 GB	4 TB SSD	-
dws2.m6.16xlarge.8	KVM	64	512 GB	8 TB SSD	-

Price Table at

[6.8.2](#)

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.

The following partition types are available to the customer:

Data Ingestion Service Partion (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

Price Table at

[6.8.3](#)

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.

Price Table at [6.8.4](#)

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.

Creating a non-dedicated queue means it's on-demand. It will only book resources when it run a job on it. Once the job is done it releases the resource and it is only billed for the period while the job was running. On the other hand a dedicated queue means booking and running for 24/7 and billing is charged until the queue has been deleted.

Price Table at [6.8.5](#)

3.8.6 DataArts Studio

DataArts Studio (DARTS) is a one-stop data operations platform that drives digital transformation. It allows you to perform many operations, such as integrating and developing data, designing data standards, controlling data quality, managing data assets, creating data services, and ensuring data security.

The following Cluster Management Flavor types are available to the customer:

Cluster Management Flavor (type)	vCPUs/ storage	Assured/ Max. bandwidth	Concurrent Jobs
cdm.large	8 vCPUs 16 GB	0.8/3 Gbit/s	20
cdm.xlarge	16 vCPUs 32 GB	4/10 Gbit/s	100
cdm.4xlarge	64 vCPUs 128 GB	36/40 Gbit/s	300

Price Table at [6.8.6](#)

3.8.7 Optical Character Recognition

Optical Character Recognition (OCR) is a service that automatically recognizes printed and handwritten characters, and converts them into editable text. OCR obtained AIC4 Type 1 certification for its overall security management system and standard machine learning methods.

Price Table at [6.8.7](#)

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.

Price Table at [6.9.1](#)

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.

Price Table at [6.9.2](#)

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. Price Table at [6.9.3](#)

expected to be available from 15.01.2025:

3.9.4 Web Application Firewall (Cloud Mode)

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.

Price Table at [6.9.4](#)

3.9.5 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.

Price Table at [6.9.5](#)

3.9.6 Database Security Service

Database Security Service (DBSS) is an intelligent security service for databases. Based on machine learning and big data analysis technologies, the service scans databases for SQL injection attacks and identifies high-risk operations. The service records user access to the database in real-time, generates detailed audit reports, and sends real-time alerts for high-risk operations and attacks. In addition, the database audit creates compliance reports that comply with data security standards (such as Sarbanes-Oxley) to locate internal violations and improper operations, thus ensuring the security of data assets. Price Table at [6.9.6](#)

3.9.7 Host Security Service

Host Security Service (HSS) helps identifying and managing the assets on servers, eliminate risks, and defend against intrusions and web page tampering. There are also advanced protection and security operations functions available to help you easily detect and handle threats. HSS includes Container Guard Service (CGS), and Web Tamper Protection (WTP). Container Guard Service (CGS) scans vulnerabilities and configuration information in images. Web Tamper Protection (WTP) monitors website directories in real time and restores tampered files and directories using their backups.

Price Table at [6.9.7](#)

3.9.8 Cloud Firewall

Cloud Firewall (CFW) is a next-generation cloud-native firewall. It protects Internet and VPC borders on the cloud by real-time intrusion detection and prevention, global unified access control, full traffic analysis, log audit, and tracing.

Price Table at [6.9.8](#)

3.10 Rights of use, licenses

3.10.1 General provisions

Telekom provides public images, GPU drivers and other Software for sole/exclusive use on the Open Telekom Cloud platform to the customer. Therefore the customer is particularly prohibited from downloading, copying or storing/using public images, GPU drivers in other environments than the Open Telekom Cloud. The public images and GPU drivers are billed on a monthly basis for each server based on usage.

3.10.2 Individual licensing provisions

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.

1. Community Linux Derivate basierend auf:

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

6. OpenSUSE <https://en.opensuse.org/openSUSE:License> https://en.opensuse.org/openSUSE:Trademark_guidelines

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

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

3. Oracle Linux

- Version 7.x: <https://oss.oracle.com/ol7/EULA>
- Version 8.x: <https://oss.oracle.com/ol8/EULA>
- Version 9.x: <https://oss.oracle.com/ol9/EULA>

4. SUSE Enterprise Linux <https://www.suse.com/licensing/eula/> The customer acknowledges that Telekom is obliged to pass on the name of the customer's organization to the manufacturer with sales exceeding EUR 1,000.00.

5. Red Hat

- Red Hat Enterprise Linux
 - http://www.redhat.com/licenses/cloud_cssa/Cloud_Software_Subscription_Agreement.pdf
 - The customer acknowledges that Telekom is obliged to pass on the name of the customer's organization to the manufacturer with sales exceeding EUR 1,000.00.

- Red Hat OpenShift
Open Telekom Cloud is a Red Hat third- party component. Red Hat OpenShift subscriptions are purchased and managed by the customer. For a precise definition of the support provided by Red Hat, see

<https://access.redhat.com/third-party-software-support>

Support requests relating to the Open Telekom Cloud are processed by Open Telekom Cloud Support.

6. Microsoft Windows Server 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.

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

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

9. Cloud Create (former 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	x	x	x
Consulting and administration service	x	x	x
IT architectural consulting		x	x
Availability report		x	x
Service meetings		x	x
Service credits for availability		x	x
Dedicated service and delivery management			x
Improved resolution times			x
Manager on Duty Service			x

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	x	
Improved response times	x	
Consulting and administration service	x	
Service credits		x
Dedicated Service Delivery Management		x
Service Delivery Manager on Duty		x
Improved resolution times		x

3.11.3 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:

1. by email to: service@open-telekom-cloud.com

2. or by phone

- within Germany: 0800 330 4477
- all other countries: +800 330 44770

3.11.4 Open Telekom Cloud Private

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

3.11.5 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	x	x	x
Pre-configured Dashboard Views	x	x	x
Custom Dashboard	x	x	x
API Access	x	x	x
Alerts	x	x	x
API Calls Free of Charge		x	x
Support of multiple Open Telekom Cloud tenants		x	x
Organization Management			x

Price Table at

[6.10.1](#)

3.11.6 Consulting services

Telekom provides extendable consulting services in the Open Telekom Cloud environment when commissioned separately via the Open Telekom Cloud Service Desk, which go beyond support services in accordance with section [4.4](#) of this service description. The fee is calculated on a time basis.

Price table at [6.10.2](#)

3.11.6.1 Additional support services for certifications and test reports

The Open Telekom Cloud is equipped with a number of certifications and test reports. The certificates and test reports that are valid in each case can be viewed at <https://www.open-telekom-cloud.com/en/products-services/core-services/certifications>. Unless otherwise agreed in the contract, the customer can usually obtain the certifications and test reports required for him free of charge after requesting the customer support (service desk) and signing the necessary agreements.

Deutsche Telekom provides additional support services for customers who wish to take advantage of additional consulting services. These services include individual advice in connection with the existing certifications and test reports. The remuneration for these consulting services is calculated on the basis of the actual effort. It is expressly pointed out that Deutsche Telekom is under no obligation to proactively inform the customer about updates to the certificates and test reports.

3.11.7 Cloud Create (former Cloud Topology Designer)

Cloud Create allows you to design & deploy desired Open Telekom Cloud infrastructure and associated applications. Cloud Create stores designs and configuration data directly in the Open Telekom Cloud. It can be accessed via <https://designer.otc-service.com/>.

Price Table at [6.10.3](#)

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 Image Management

3.12.2.1 Public Images

1. Ubuntu

- Standard_Ubuntu_20.04_AI_Frameworks_Preview_latest/prev

3.12.3 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.

3.12.4 Cloud Container Instance

Cloud Container Instance (CCI) provides a serverless container engine, allowing you to run containers without creating or managing server clusters. Instance resources include CPU, memory, and GPU (depends on the pod type). You are charged based on the actual instance specifications you apply for and the actual running duration (by second) of your instance. The charging duration starts from the time when the container image is downloaded (docker pull) to the time when your CCI instance is stopped.

Cloud Container Instance (type)	Description
General-computing pods	vCPUs and memory are billed on a pay-per-use basis

Cloud Container Instance (type)	Resources	Billing Formula	Billing
General-computing pods	vCPU	Unit price x Number of vCPUs x Required duration	per core/second
General-computing pods	Memory	Unit price x Memory size x Required duration	per GB/second

Price Table at [6.7.2](#)

3.12.5 SFS General Purpose

Der SFS General Purpose ist ein neuer Scalable File Service Typ basierend auf NFSv3 and has a volume size of up to 4 PB.

Price table at [6.11.3](#)

3.12.6 Marketplace

Marketplace is an optional service.

3.12.6.1 Marketplace Seller Center

The Marketplace is available on request for Sellers to publish offers via the Marketplace Seller Center. The Marketplace Seller Center is the seller's interface and enables the integration and publication of third-party services (software or services) on the Open Telekom Cloud Marketplace.

Seller can publish his or her Software in the Marketplace by creating a Product Offering. Product Offering is the seller's published software on the Marketplace and is the combination of service type, license type and seller's software.

- Service Type: is the type of IaaS provided by Open Telekom Cloud to publish the Product Offering.
- License Type: is the license option of seller's software provided by Open Telekom Cloud to publish the product Offering.
- Price: Fee to offer the product offering via Marketplace Seller Center on the Marketplace

Offering	Service Type	License Type	Price in EUR
1	Cloud Container Engine	Open Source, Free or Trial	free
2	Cloud Container Engine	BYOL (Bring your own License)	free

Please refer to the terms and conditions of the Marketplace Seller Center.

Terms & Condition Marketplace Seller Center: <https://open-telekom-cloud.com/marketplace-tc-seller>

*Seller on the Open Telekom Cloud Marketplace is an independent software provider who can be part of the Open Telekom Cloud Programs such as Circle Partner or Techboost or be an Open Telekom Cloud customer.

Note: User can submit a request via following link to become a seller:

<https://open-telekom-cloud.com/en/marketplace/become-a-seller>

3.12.6.2 Marketplace (for Customers)

The Marketplace is an interface for customers to subscribe to and use services from third-party providers (sellers) in the Open Telekom Cloud.

Please note the terms of use of the Marketplace: <https://open-telekom-cloud.com/marketplace-tc-customer>

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:

1. The Open Telekom Cloud component is available in one of the availability zones, or
2. The customer can use an alternative instance, or
3. Downtime that was caused by maintenance work or changes, or
4. Incidents, downtimes, and problems that are attributable to the customer, its employees, or representatives, or
5. 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:

1. by email to: service@open-telekom-cloud.com
2. 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*	4 hours
Resolution times	Best Effort

*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:

1. 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.
2. 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).
3. 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.
4. 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.
5. 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 any radical political content.
6. The customer is not permitted to use the service for sending mass emails (SPAM).
7. 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.
8. 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.
9. 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.
10. The customer must follow and support the incident clearance process.
11. 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.
12. 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.

13. 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.
14. The customer will ensure that the services are not misused.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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 or 24 months.

The charges and computing services are firmly agreed for the term selected and there will not be any adjustments. Reservations are not fixed to a specific instance, but provide a monthly usage contingent for the selected flavor type, this contingent can be used by a single or multiple instances (of the same type) and are billed even if not or not fully used. By booking of a Reserved or Reserved Upfront no resources will be allocated in the customer tenant. Any services beyond the minimum order volume will be billed in accordance with the Open Elastic model. When the agreed provision period has ended, the services will be billed in accordance with the Open Elastic model.

If Reserved or Reserved Upfront is booked via a sales contact or via the Service Desk, this requires a lead time of five working days before the term is activated.

- 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, Bare Metal hosts and Dedicated Hosts are also charged in the shutdown or allocated state:

Elastic Cloud Server Ultra-High I/O	Elastic Cloud Server Disk intensive II	Bare Metal Service	Dedicated Host
i3.2xlarge.4	d2.xlarge.8	all host types	all host types
i3.4xlarge.4	d2.2xlarge.8		
i3.8xlarge.4	d2.4xlarge.8		
i3.12xlarge.4	d2.6xlarge.8		
i3.16xlarge.4	d2.8xlarge.8		
i3.2xlarge.8	d2.15xlarge.9		
i3.4xlarge.8			
i3.8xlarge.8			
i3.12xlarge.8			
i3.16xlarge.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.

1. 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.
2. 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.
3. SFS General Purpose: The basis of billing for SFS General Purpose is the average GB of consumed storage per month.
4. Storage Disaster Recovery Service During initialisation, all Elastic Cloud Servers within a Protection Group are started up and billed for approx. one hour. The D/R instances are automatically shut down again after initialisation. The Elastic Volume Service is billed for the D/R instance according to the storage provided in GB. When using the DR-Drill functionality to test the disaster recovery, the EVS and ECS resources are billed separately.

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

Name	vCPU	GB RAM	Operating System Group	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour	EU-DE Reserved 12 months in euro/month	EU-NL Reserved 12 months in euro/month	EU-DE Reserved 24 months in euro/month	EU-NL Reserved 24 months in euro/month	EU-DE Reserved Upfront 12 months in euro	EU-NL Reserved Upfront 12 months in euro	EU-DE Reserved Upfront 24 months in euro	EU-NL Reserved Upfront 24 months in euro
General Purpose 1:1 v2 s2.medium.1	1	1	open Linux	0.014980	n.a.	8.00	n.a.	6.75	n.a.	84.70	n.a.	146.93	n.a.
			Oracle	0.053500	n.a.	37.73	n.a.	36.83	n.a.	438.00	n.a.	837.00	n.a.
			Red Hat	0.062060	n.a.	43.87	n.a.	42.81	n.a.	509.00	n.a.	973.00	n.a.
			SUSE/SAP	0.250380	n.a.	176.00	n.a.	168.30	n.a.	2,089.00	n.a.	3,839.00	n.a.
			SUSE	0.063130	n.a.	41.34	n.a.	40.05	n.a.	463.00	n.a.	880.00	n.a.
			Windows	0.065516	n.a.	44.90	n.a.	43.97	n.a.	528.00	n.a.	1,012.00	n.a.
General Purpose 1:1 v2 s2.large.1	2	2	open Linux	0.095230	n.a.	43.53	n.a.	37.50	n.a.	485.00	n.a.	882.00	n.a.
			Oracle	0.127495	n.a.	66.27	n.a.	59.65	n.a.	751.00	n.a.	1,414.00	n.a.
			Red Hat	0.150870	n.a.	88.42	n.a.	81.81	n.a.	1,017.00	n.a.	1,946.00	n.a.
			SUSE/SAP	0.330630	n.a.	231.00	n.a.	219.00	n.a.	2,749.00	n.a.	5,159.00	n.a.
			SUSE	0.187250	n.a.	68.49	n.a.	59.65	n.a.	778.00	n.a.	1,414.00	n.a.
			Windows	0.173025	n.a.	100.44	n.a.	93.82	n.a.	1,161.00	n.a.	2,234.00	n.a.

Name	vCPU	GB RAM	Operating System Group	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour	EU-DE Reserved 12 months in euro/month	EU-NL Reserved 12 months in euro/month	EU-DE Reserved 24 months in euro/month	EU-NL Reserved 24 months in euro/month	EU-DE Reserved Upfront 12 months in euro	EU-NL Reserved Upfront 12 months in euro	EU-DE Reserved Upfront 24 months in euro	EU-NL Reserved Upfront 24 months in euro
General Purpose 1:4 v2 s2.xlarge.4	32	128	open Linux	1.70	n.a.	868.00	n.a.	766.00	n.a.	9,804.00	n.a.	17,463.00	n.a.
			Oracle	1.73	n.a.	890.00	n.a.	788.00	n.a.	10,070.00	n.a.	17,995.00	n.a.
			Red Hat	1.82	n.a.	957.00	n.a.	855.00	n.a.	10,867.00	n.a.	19,590.00	n.a.
			SUSE/SAP	2.19	n.a.	1,106.00	n.a.	985.00	n.a.	12,434.00	n.a.	22,286.00	n.a.
			SUSE	1.80	n.a.	892.00	n.a.	788.00	n.a.	10,096.00	n.a.	17,995.00	n.a.
			Windows	3.00	n.a.	1,846.00	n.a.	1,744.00	n.a.	21,537.00	n.a.	40,930.00	n.a.
General Purpose 1:8 v2 s2.medium.8	1	8	open Linux	0.080250	n.a.	4117 from 15.01.2025: n.a.	n.a.	36.33 from 15.01.2025: n.a.	n.a.	465.00 from 15.01.2025: n.a.	n.a.	787.00 from 15.01.2025: n.a.	n.a.
			Oracle	0.106465	n.a.	63.32 from 15.01.2025: n.a.	n.a.	58.48 from 15.01.2025: n.a.	n.a.	731.00 from 15.01.2025: n.a.	n.a.	1,360.00 from 15.01.2025: n.a.	n.a.
			Red Hat	0.130540	n.a.	81.18 from 15.01.2025: n.a.	n.a.	66.45 from 15.01.2025: n.a.	n.a.	814.00 from 15.01.2025: n.a.	n.a.	1,562.00 from 15.01.2025: n.a.	n.a.
			SUSE/SAP	0.315650	n.a.	226.00 from 15.01.2025: n.a.	n.a.	219.00 from 15.01.2025: n.a.	n.a.	2,639.00 from 15.01.2025: n.a.	n.a.	5,169.00 from 15.01.2025: n.a.	n.a.
			SUSE	0.131610	n.a.	65.54 from 15.01.2025: n.a.	n.a.	58.48 from 15.01.2025: n.a.	n.a.	757.00 from 15.01.2025: n.a.	n.a.	1,360.00 from 15.01.2025: n.a.	n.a.
			Windows	0.137495	n.a.	84.48 from 15.01.2025: n.a.	n.a.	71.26 from 15.01.2025: n.a.	n.a.	859.00 from 15.01.2025: n.a.	n.a.	1,612.00 from 15.01.2025: n.a.	n.a.
General Purpose 1:8 v2 s2.large.8	2	16	open Linux	0.127330	n.a.	63.80 from 15.01.2025: n.a.	n.a.	60.50 from 15.01.2025: n.a.	n.a.	736.00 from 15.01.2025: n.a.	n.a.	1,161.00 from 15.01.2025: n.a.	n.a.
			Oracle	0.148730	n.a.	94.42 from 15.01.2025: n.a.	n.a.	87.95 from 15.01.2025: n.a.	n.a.	1,068.00 from 15.01.2025: n.a.	n.a.	1,880.00 from 15.01.2025: n.a.	n.a.
			Red Hat	0.176550	n.a.	109.03 from 15.01.2025: n.a.	n.a.	104.80 from 15.01.2025: n.a.	n.a.	1,242.00 from 15.01.2025: n.a.	n.a.	2,186.00 from 15.01.2025: n.a.	n.a.
			SUSE/SAP	0.362730	n.a.	270.00 from 15.01.2025: n.a.	n.a.	263.00 from 15.01.2025: n.a.	n.a.	3,179.00 from 15.01.2025: n.a.	n.a.	6,269.00 from 15.01.2025: n.a.	n.a.
			SUSE	0.205440	n.a.	106.71 from 15.01.2025: n.a.	n.a.	94.81 from 15.01.2025: n.a.	n.a.	1,210.00 from 15.01.2025: n.a.	n.a.	2,063.00 from 15.01.2025: n.a.	n.a.
			Windows	0.284955	n.a.	156.95 from 15.01.2025: n.a.	n.a.	138.27 from 15.01.2025: n.a.	n.a.	1,620.00 from 15.01.2025: n.a.	n.a.	2,789.00 from 15.01.2025: n.a.	n.a.
General Purpose 1:8 v2 s2.xlarge.8	4	32	open Linux	0.245993	n.a.	131.98 from 15.01.2025: n.a.	n.a.	115.74 from 15.01.2025: n.a.	n.a.	1,518.00 from 15.01.2025: n.a.	n.a.	2,535.00 from 15.01.2025: n.a.	n.a.
			Oracle	0.266430	n.a.	154.24 from 15.01.2025: n.a.	n.a.	142.38 from 15.01.2025: n.a.	n.a.	1,759.00 from 15.01.2025: n.a.	n.a.	3,006.00 from 15.01.2025: n.a.	n.a.
			Red Hat	0.303880	n.a.	180.75 from 15.01.2025: n.a.	n.a.	175.80 from 15.01.2025: n.a.	n.a.	2,045.00 from 15.01.2025: n.a.	n.a.	3,495.00 from 15.01.2025: n.a.	n.a.
			SUSE/SAP	0.481393	n.a.	358.00 from 15.01.2025: n.a.	n.a.	347.00 from 15.01.2025: n.a.	n.a.	4,235.00 from 15.01.2025: n.a.	n.a.	8,136.00 from 15.01.2025: n.a.	n.a.
			SUSE	0.341330	n.a.	159.75 from 15.01.2025: n.a.	n.a.	153.04 from 15.01.2025: n.a.	n.a.	1,830.00 from 15.01.2025: n.a.	n.a.	3,010.00 from 15.01.2025: n.a.	n.a.
			Windows	0.530399	n.a.	282.00 from 15.01.2025: n.a.	n.a.	274.00 from 15.01.2025: n.a.	n.a.	3,274.00 from 15.01.2025: n.a.	n.a.	5,658.00 from 15.01.2025: n.a.	n.a.
General Purpose 1:8 v2 s2.xlarge.8	8	64	open Linux	0.491451	n.a.	274.00 from 15.01.2025: n.a.	n.a.	253.00 from 15.01.2025: n.a.	n.a.	3,171.00 from 15.01.2025: n.a.	n.a.	5,149.00 from 15.01.2025: n.a.	n.a.
			Oracle	0.547840	n.a.	319.00 from 15.01.2025: n.a.	n.a.	303.00 from 15.01.2025: n.a.	n.a.	3,619.00 from 15.01.2025: n.a.	n.a.	6,217.00 from 15.01.2025: n.a.	n.a.
			Red Hat	0.632370	n.a.	377.00 from 15.01.2025: n.a.	n.a.	367.00 from 15.01.2025: n.a.	n.a.	4,208.00 from 15.01.2025: n.a.	n.a.	7,229.00 from 15.01.2025: n.a.	n.a.
			SUSE/SAP	0.726851	n.a.	538.00 from 15.01.2025: n.a.	n.a.	510.00 from 15.01.2025: n.a.	n.a.	6,479.00 from 15.01.2025: n.a.	n.a.	11,449.00 from 15.01.2025: n.a.	n.a.
			SUSE	0.600270	n.a.	300.00 from 15.01.2025: n.a.	n.a.	292.00 from 15.01.2025: n.a.	n.a.	3,435.00 from 15.01.2025: n.a.	n.a.	5,624.00 from 15.01.2025: n.a.	n.a.
			Windows	0.942884	n.a.	565.00 from 15.01.2025: n.a.	n.a.	550.00 from 15.01.2025: n.a.	n.a.	6,600.00 from 15.01.2025: n.a.	n.a.	11,408.00 from 15.01.2025: n.a.	n.a.

Name	vCPU	GB RAM	Operating System Group	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour	EU-DE Reserved 12 months in euro/month	EU-NL Reserved 12 months in euro/month	EU-DE Reserved 24 months in euro/month	EU-NL Reserved 24 months in euro/month	EU-DE Reserved Upfront 12 months in euro	EU-NL Reserved Upfront 12 months in euro	EU-DE Reserved Upfront 24 months in euro	EU-NL Reserved Upfront 24 months in euro
General Purpose s3.large.8	2	16	open Linux	0.136850	0.117691	67.86 from 15.01.2025: n. a.	58.36 from 15.01.2025: n. a.	64.35 from 15.01.2025: n. a.	55.34 from 15.01.2025: n. a.	783.00 from 15.01.2025: n. a.	673.38 from 15.01.2025: n. a.	1,235.00 from 15.01.2025: n. a.	1,062.10 from 15.01.2025: n. a.
			Oracle	0.159850	0.137471	100.43 from 15.01.2025: n. a.	86.37 from 15.01.2025: n. a.	93.54 from 15.01.2025: n. a.	80.44 from 15.01.2025: n. a.	1,136.00 from 15.01.2025: n. a.	976.96 from 15.01.2025: n. a.	1,864.00 from 15.01.2025: n. a.	1,603.04 from 15.01.2025: n. a.
			Red Hat	0.189750	0.163185	115.97 from 15.01.2025: n. a.	99.73 from 15.01.2025: n. a.	111.47 from 15.01.2025: n. a.	95.86 from 15.01.2025: n. a.	1,321.00 from 15.01.2025: n. a.	1,136.00 from 15.01.2025: n. a.	2,325.00 from 15.01.2025: n. a.	1,999.50 from 15.01.2025: n. a.
			SUSE/SAP	0.389850	0.335271	287.00 from 15.01.2025: n. a.	246.82 from 15.01.2025: n. a.	280.00 from 15.01.2025: n. a.	240.80 from 15.01.2025: n. a.	3,381.00 from 15.01.2025: n. a.	2,907.66 from 15.01.2025: n. a.	6,668.00 from 15.01.2025: n. a.	5,734.48 from 15.01.2025: n. a.
			SUSE	0.220800	0.189888	113.50 from 15.01.2025: n. a.	97.61 from 15.01.2025: n. a.	100.84 from 15.01.2025: n. a.	86.72 from 15.01.2025: n. a.	1,287.00 from 15.01.2025: n. a.	1,106.82 from 15.01.2025: n. a.	1,864.00 from 15.01.2025: n. a.	1,603.04 from 15.01.2025: n. a.
			Windows	0.306260	0.263384	166.94 from 15.01.2025: n. a.	143.57 from 15.01.2025: n. a.	147.07 from 15.01.2025: n. a.	126.48 from 15.01.2025: n. a.	1,723.00 from 15.01.2025: n. a.	1,481.78 from 15.01.2025: n. a.	2,967.00 from 15.01.2025: n. a.	2,551.62 from 15.01.2025: n. a.
General Purpose s3.xlarge.8	4	32	open Linux	0.264385	0.227371	140.38 from 15.01.2025: n. a.	120.73 from 15.01.2025: n. a.	123.11 from 15.01.2025: n. a.	105.87 from 15.01.2025: n. a.	1,615.00 from 15.01.2025: n. a.	1,388.90 from 15.01.2025: n. a.	2,597.00 from 15.01.2025: n. a.	2,233.42 from 15.01.2025: n. a.
			Oracle	0.286350	0.246261	164.06 from 15.01.2025: n. a.	141.09 from 15.01.2025: n. a.	151.44 from 15.01.2025: n. a.	130.24 from 15.01.2025: n. a.	1,871.00 from 15.01.2025: n. a.	1,609.06 from 15.01.2025: n. a.	3,162.00 from 15.01.2025: n. a.	2,719.32 from 15.01.2025: n. a.
			Red Hat	0.326600	0.280876	192.25 from 15.01.2025: n. a.	165.34 from 15.01.2025: n. a.	186.99 from 15.01.2025: n. a.	160.81 from 15.01.2025: n. a.	2,175.00 from 15.01.2025: n. a.	1,870.50 from 15.01.2025: n. a.	3,718.00 from 15.01.2025: n. a.	3,197.48 from 15.01.2025: n. a.
			SUSE/SAP	0.517385	0.444951	380.00 from 15.01.2025: n. a.	326.80 from 15.01.2025: n. a.	369.00 from 15.01.2025: n. a.	317.34 from 15.01.2025: n. a.	4,505.00 from 15.01.2025: n. a.	3,874.30 from 15.01.2025: n. a.	7,726.00 from 15.01.2025: n. a.	6,644.36 from 15.01.2025: n. a.
			SUSE	0.366850	0.315491	169.92 from 15.01.2025: n. a.	146.13 from 15.01.2025: n. a.	162.78 from 15.01.2025: n. a.	139.99 from 15.01.2025: n. a.	1,946.00 from 15.01.2025: n. a.	1,673.56 from 15.01.2025: n. a.	3,162.00 from 15.01.2025: n. a.	2,719.32 from 15.01.2025: n. a.
			Windows	0.570055	0.490247	300.00 from 15.01.2025: n. a.	258.00 from 15.01.2025: n. a.	292.00 from 15.01.2025: n. a.	251.12 from 15.01.2025: n. a.	3,483.00 from 15.01.2025: n. a.	2,995.38 from 15.01.2025: n. a.	6,018.00 from 15.01.2025: n. a.	5,175.48 from 15.01.2025: n. a.
General Purpose s3.2xlarge.8	8	64	open Linux	0.528195	0.454248	292.00 from 15.01.2025: n. a.	251.12 from 15.01.2025: n. a.	269.00 from 15.01.2025: n. a.	231.34 from 15.01.2025: n. a.	3,373.00 from 15.01.2025: n. a.	2,900.78 from 15.01.2025: n. a.	5,993.00 from 15.01.2025: n. a.	4,465.98 from 15.01.2025: n. a.
			Oracle	0.588800	0.506368	339.00 from 15.01.2025: n. a.	291.54 from 15.01.2025: n. a.	323.00 from 15.01.2025: n. a.	277.78 from 15.01.2025: n. a.	3,849.00 from 15.01.2025: n. a.	3,310.14 from 15.01.2025: n. a.	5,759.00 from 15.01.2025: n. a.	4,952.74 from 15.01.2025: n. a.
			Red Hat	0.679650	0.584499	400.00 from 15.01.2025: n. a.	344.00 from 15.01.2025: n. a.	390.00 from 15.01.2025: n. a.	335.40 from 15.01.2025: n. a.	4,476.00 from 15.01.2025: n. a.	3,849.36 from 15.01.2025: n. a.	7,455.00 from 15.01.2025: n. a.	6,411.30 from 15.01.2025: n. a.
			SUSE/SAP	0.781195	0.671828	572.00 from 15.01.2025: n. a.	491.92 from 15.01.2025: n. a.	542.00 from 15.01.2025: n. a.	466.12 from 15.01.2025: n. a.	6,891.00 from 15.01.2025: n. a.	5,926.26 from 15.01.2025: n. a.	10,323.00 from 15.01.2025: n. a.	8,877.78 from 15.01.2025: n. a.
			SUSE	0.645150	0.554829	319.00 from 15.01.2025: n. a.	274.34 from 15.01.2025: n. a.	311.00 from 15.01.2025: n. a.	267.46 from 15.01.2025: n. a.	3,653.00 from 15.01.2025: n. a.	3,141.58 from 15.01.2025: n. a.	5,759.00 from 15.01.2025: n. a.	4,952.74 from 15.01.2025: n. a.
			Windows	1.01	0.868600	601.00 from 15.01.2025: n. a.	516.86 from 15.01.2025: n. a.	585.00 from 15.01.2025: n. a.	503.10 from 15.01.2025: n. a.	7,020.00 from 15.01.2025: n. a.	6,037.20 from 15.01.2025: n. a.	12,134.00 from 15.01.2025: n. a.	10,435.24 from 15.01.2025: n. a.
General Purpose s3.4xlarge.8	16	128	open Linux	1.33	1.14	653.00 from 15.01.2025: n. a.	561.58 from 15.01.2025: n. a.	618.00 from 15.01.2025: n. a.	531.48 from 15.01.2025: n. a.	7,839.00 from 15.01.2025: n. a.	6,741.54 from 15.01.2025: n. a.	10,386.00 from 15.01.2025: n. a.	8,931.96 from 15.01.2025: n. a.
			Oracle	1.42	1.22	702.00 from 15.01.2025: n. a.	603.72 from 15.01.2025: n. a.	634.00 from 15.01.2025: n. a.	545.24 from 15.01.2025: n. a.	7,956.00 from 15.01.2025: n. a.	6,842.16 from 15.01.2025: n. a.	10,952.00 from 15.01.2025: n. a.	9,418.72 from 15.01.2025: n. a.
			Red Hat	1.48	1.27	795.00 from 15.01.2025: n. a.	683.70 from 15.01.2025: n. a.	712.00 from 15.01.2025: n. a.	612.32 from 15.01.2025: n. a.	9,044.00 from 15.01.2025: n. a.	7,777.84 from 15.01.2025: n. a.	12,648.00 from 15.01.2025: n. a.	10,877.28 from 15.01.2025: n. a.
			SUSE/SAP	1.59	1.37	953.00 from 15.01.2025: n. a.	819.58 from 15.01.2025: n. a.	851.00 from 15.01.2025: n. a.	731.86 from 15.01.2025: n. a.	10,711.00 from 15.01.2025: n. a.	9,211.46 from 15.01.2025: n. a.	15,516.00 from 15.01.2025: n. a.	13,343.76 from 15.01.2025: n. a.
			SUSE	1.48	1.27	722.00 from 15.01.2025: n. a.	620.92 from 15.01.2025: n. a.	642.00 from 15.01.2025: n. a.	552.12 from 15.01.2025: n. a.	8,224.00 from 15.01.2025: n. a.	7,072.64 from 15.01.2025: n. a.	10,952.00 from 15.01.2025: n. a.	9,418.72 from 15.01.2025: n. a.
			Windows	2.45	2.11	1,378.00 from 15.01.2025: n. a.	1,185.08 from 15.01.2025: n. a.	1,293.00 from 15.01.2025: n. a.	1,111.98 from 15.01.2025: n. a.	15,407.00 from 15.01.2025: n. a.	13,250.02 from 15.01.2025: n. a.	29,329.00 from 15.01.2025: n. a.	25,222.94 from 15.01.2025: n. a.

6.2.1.7 Memory optimized m3 & m3n

Name	vCPU	GB RAM	Operating System Group	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour	EU-DE Reserved 12 months in euro/month	EU-NL Reserved 12 months in euro/month	EU-DE Reserved 24 months in euro/month	EU-NL Reserved 24 months in euro/month	EU-DE Reserved Upfront 12 months in euro	EU-NL Reserved Upfront 12 months in euro	EU-DE Reserved Upfront 24 months in euro	EU-NL Reserved Upfront 24 months in euro		
Memory-optim. v3 m3.large.8	2	16	open Linux	0.175560	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.		
			Oracle	0.205907	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
			Red Hat	0.236254	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			SUSE/SAP	0.420423	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.
Memory-optim. v3 m3.xlarge.8	4	32	open Linux	0.351120	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
			Oracle	0.381467	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			Red Hat	0.411814	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			SUSE/SAP	0.595983	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.
Memory-optim. v3 m3.2xlarge.8	8	64	open Linux	0.702240	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
			Oracle	0.732587	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			Red Hat	0.823627	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			SUSE/SAP	0.947103	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.
Memory-optim. v3 m3.4xlarge.8	16	128	open Linux	1.40	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
			Oracle	1.43	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			Red Hat	1.53	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			SUSE/SAP	1.65	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.
Memory-optim. v3 m3.8xlarge.8	32	256	open Linux	2.81	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
			Oracle	2.84	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			Red Hat	2.93	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			SUSE/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.
			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.
Memory-optim. v3 m3.15xlarge.8	60	512	open Linux	5.37	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
			Oracle	5.40	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			Red Hat	5.49	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			SUSE/SAP	5.62	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.
Memory-optim. v3 m3n.large.8	2	16	open Linux	0.198383	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
			Oracle	0.232675	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			Red Hat	0.266967	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			SUSE/SAP	0.475078	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			SUSE	0.312689	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Memory-optim. v3 m3n.xlarge.8	4	32	open Linux	0.396766	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
			Oracle	0.431057	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			Red Hat	0.465349	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			SUSE/SAP	0.673461	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			SUSE	0.511072	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Memory-optim. v3 m3n.2xlarge.8	8	64	open Linux	0.793531	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
			Oracle	0.827823	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			Red Hat	0.930699	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			SUSE/SAP	1.07	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			SUSE	0.907837	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Memory-optim. v3 m3n.4xlarge.8	16	128	open Linux	1.59	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
			Oracle	1.62	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			Red Hat	1.72	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			SUSE/SAP	1.86	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			SUSE	1.70	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Memory-optim. v3 m3n.8xlarge.8	32	256	open Linux	3.17	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
			Oracle	3.21	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			Red Hat	3.31	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			SUSE/SAP	3.45	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			SUSE	3.29	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Memory-optim. v3 m3n.15xlarge.8	60	512	open Linux	6.07	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
			Oracle 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.
			Red Hat	6.21	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			SUSE/SAP	6.35	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			SUSE Linux	6.19	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Windows	10.72	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.			

Name	Additional Information	vCPU	GB RAM	Operating System Group	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour	EU-DE Reserved 12 months in euro/month	EU-NL Reserved 12 months in euro/month	EU-DE Reserved 24 months in euro/month	EU-NL Reserved 24 months in euro/month	EU-DE Reserved Upfront 12 months in euro	EU-NL Reserved Upfront 12 months in euro	EU-DE Reserved Upfront 24 months in euro	EU-NL Reserved Upfront 24 months in euro
GPU Accelerated p5s.5xlarge.12	1 x H100 GPU	20	240	open Linux	16.27	n.a.	n.a. from 15.01.2025: 9,475.00	n.a.	n.a. from 15.01.2025: 7,904.00	n.a.	n.a.	n.a.	n.a.	n.a.
				Oracle Linux	16.30	n.a.	n.a. from 15.01.2025: 9,495.00	n.a.	n.a. from 15.01.2025: 7,924.00	n.a.	n.a.	n.a.	n.a.	n.a.
				Red Hat	16.38	n.a.	n.a. from 15.01.2025: 9,556.00	n.a.	n.a. from 15.01.2025: 7,984.00	n.a.	n.a.	n.a.	n.a.	n.a.
				Windows	16.85	n.a.	n.a. from 15.01.2025: 9,899.00	n.a.	n.a. from 15.01.2025: 8,327.00	n.a.	n.a.	n.a.	n.a.	n.a.
GPU Accelerated p5s.10xlarge.12	2 x H100 GPU	40	480	open Linux	32.55	n.a.	n.a. from 15.01.2025: 18,950.00	n.a.	n.a. from 15.01.2025: 15,808.00	n.a.	n.a.	n.a.	n.a.	n.a.
				Oracle Linux	32.57	n.a.	n.a. from 15.01.2025: 18,970.00	n.a.	n.a. from 15.01.2025: 15,828.00	n.a.	n.a.	n.a.	n.a.	n.a.
				Red Hat	32.66	n.a.	n.a. from 15.01.2025: 19,030.00	n.a.	n.a. from 15.01.2025: 15,888.00	n.a.	n.a.	n.a.	n.a.	n.a.
				Windows	33.13	n.a.	n.a. from 15.01.2025: 19,374.00	n.a.	n.a. from 15.01.2025: 16,231.00	n.a.	n.a.	n.a.	n.a.	n.a.
GPU Accelerated p5s.20xlarge.12	4 x H100 GPU	80	960	open Linux	65.09	n.a.	n.a. from 15.01.2025: 37,900.00	n.a.	n.a. from 15.01.2025: 31,615.00	n.a.	n.a.	n.a.	n.a.	n.a.
				Oracle Linux	65.12	n.a.	n.a. from 15.01.2025: 37,920.00	n.a.	n.a. from 15.01.2025: 31,635.00	n.a.	n.a.	n.a.	n.a.	n.a.
				Red Hat	65.20	n.a.	n.a. from 15.01.2025: 37,980.00	n.a.	n.a. from 15.01.2025: 31,696.00	n.a.	n.a.	n.a.	n.a.	n.a.
				Windows	65.67	n.a.	n.a. from 15.01.2025: 38,324.00	n.a.	n.a. from 15.01.2025: 32,039.00	n.a.	n.a.	n.a.	n.a.	n.a.
GPU Accelerated p5s.40xlarge.12	8 x H100 GPU	160	1920	open Linux	130.19	n.a.	n.a. from 15.01.2025: 75,800.00	n.a.	n.a. from 15.01.2025: 63,230.00	n.a.	n.a.	n.a.	n.a.	n.a.
				Oracle Linux	130.21	n.a.	n.a. from 15.01.2025: 75,820.00	n.a.	n.a. from 15.01.2025: 63,250.00	n.a.	n.a.	n.a.	n.a.	n.a.
				Red Hat	130.30	n.a.	n.a. from 15.01.2025: 75,880.00	n.a.	n.a. from 15.01.2025: 63,311.00	n.a.	n.a.	n.a.	n.a.	n.a.
				Windows	130.77	n.a.	n.a. from 15.01.2025: 76,223.00	n.a.	n.a. from 15.01.2025: 63,654.00	n.a.	n.a.	n.a.	n.a.	n.a.

Pi2 and g6 is only offered in reserved and reserved upfront on request.

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6.2.1.11 Large memory III + VI

Name	vCPU	GB RAM	Operating System Group	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour	EU-DE Reserved 12 months in euro/month	EU-NL Reserved 12 months in euro/month	EU-DE Reserved 24 months in euro/month	EU-NL Reserved 24 months in euro/month	EU-DE Reserved Upfront 12 months in euro	EU-NL Reserved Upfront 12 months in euro	EU-DE Reserved Upfront 24 months in euro	EU-NL Reserved Upfront 24 months in euro
Large Memory e3.7xlarge.12	28	348	open Linux	2.24	n.a.	1,306.00	n.a.	980.00	n.a.	14,693.00	n.a.	21,549.00	n.a.
			Oracle	2.27	n.a.	1,328.00	n.a.	1,002.00	n.a.	14,958.00	n.a.	22,081.00	n.a.
			Red Hat	2.36	n.a.	1,395.00	n.a.	1,068.00	n.a.	15,756.00	n.a.	23,676.00	n.a.
			SUSE/SAP	2.64	n.a.	1,603.00	n.a.	1,277.00	n.a.	18,258.00	n.a.	28,680.00	n.a.
			SUSE	2.34	n.a.	1,380.00	n.a.	1,053.00	n.a.	15,579.00	n.a.	23,321.00	n.a.
			Windows	2.90	n.a.	1,788.00	n.a.	1,461.00	n.a.	20,474.00	n.a.	33,112.00	n.a.
Large Memory e3.14xlarge.12	56	696	open Linux	4.47	n.a.	2,612.00	n.a.	1,959.00	n.a.	29,385.00	n.a.	43,098.00	n.a.
			Oracle	4.50	n.a.	2,634.00	n.a.	1,981.00	n.a.	29,651.00	n.a.	43,630.00	n.a.
			Red Hat	4.59	n.a.	2,701.00	n.a.	2,048.00	n.a.	30,448.00	n.a.	45,225.00	n.a.
			SUSE/SAP	4.88	n.a.	2,909.00	n.a.	2,256.00	n.a.	32,950.00	n.a.	50,229.00	n.a.
			SUSE	4.57	n.a.	2,686.00	n.a.	2,033.00	n.a.	23,892.00	n.a.	37,701.00	n.a.
			Windows	5.13	n.a.	3,094.00	n.a.	2,441.00	n.a.	35,167.00	n.a.	54,661.00	n.a.
Large Memory e3.26xlarge.14	104	1466	open Linux	9.08	n.a.	5,305.00	n.a.	3,979.00	n.a.	59,686.00	n.a.	87,539.00	n.a.
			Oracle	9.11	n.a.	5,328.00	n.a.	4,001.00	n.a.	59,952.00	n.a.	88,071.00	n.a.
			Red Hat	9.21	n.a.	5,394.00	n.a.	4,068.00	n.a.	60,749.00	n.a.	89,666.00	n.a.
			SUSE/SAP	9.49	n.a.	5,603.00	n.a.	4,276.00	n.a.	63,251.00	n.a.	94,670.00	n.a.
			SUSE	9.19	n.a.	5,379.00	n.a.	4,053.00	n.a.	60,572.00	n.a.	89,312.00	n.a.
			Windows	9.74	n.a.	5,787.00	n.a.	4,461.00	n.a.	65,468.00	n.a.	99,103.00	n.a.
Large Memory e3.52xlarge.14	208	2932	open Linux	18.17	n.a.	10,611.00	n.a.	7,958.00	n.a.	119,372.00	n.a.	175,079.00	n.a.
			Oracle	18.20	n.a.	10,633.00	n.a.	7,980.00	n.a.	119,638.00	n.a.	175,611.00	n.a.
			Red Hat	18.29	n.a.	10,699.00	n.a.	8,047.00	n.a.	120,435.00	n.a.	177,206.00	n.a.
			SUSE/SAP	18.58	n.a.	10,908.00	n.a.	8,255.00	n.a.	122,937.00	n.a.	182,209.00	n.a.
			SUSE	18.27	n.a.	10,685.00	n.a.	8,032.00	n.a.	95,824.00	n.a.	151,187.00	n.a.
Windows	18.83	n.a.	11,093.00	n.a.	8,440.00	n.a.	125,154.00	n.a.	186,642.00	n.a.			

Name	vCPU	GB RAM	Additional Information	Operating System Group	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour	EU-DE Reserved 12 months in euro/month	EU-NL Reserved 12 months in euro/month	EU-DE Reserved 24 months in euro/month	EU-NL Reserved 24 months in euro/month	EU-DE Reserved Upfront 12 months in euro	EU-NL Reserved Upfront 12 months in euro	EU-DE Reserved Upfront 24 months in euro	EU-NL Reserved Upfront 24 months in euro
Ultra-high I/O i3.12xlarge.4	48	192	6 x 3.2 TB NVMe	open Linux	n.a.	6.47	n.a.	3,544.00	n.a.	3,308.00	n.a.	39,692.00	n.a.	73,714.00
				Oracle Linux	n.a.	6.49	n.a.	3,559.00	n.a.	3,322.00	n.a.	39,870.00	n.a.	74,069.00
				Red Hat	n.a.	6.59	n.a.	3,633.00	n.a.	3,396.00	n.a.	40,756.00	n.a.	75,841.00
				SUSE/SAP	n.a.	6.72	n.a.	3,723.00	n.a.	3,478.00	n.a.	41,730.00	n.a.	77,575.00
				SUSE Linux	n.a.	6.57	n.a.	3,603.00	n.a.	3,367.00	n.a.	40,313.00	n.a.	74,778.00
				Windows	n.a.	6.90	n.a.	4,016.00	n.a.	3,780.00	n.a.	45,363.00	n.a.	85,055.00
Ultra-high I/O i3.16xlarge.4	64	256	8 x 3.2 TB NVMe	open Linux	n.a.	8.63	n.a.	4,725.00	n.a.	4,410.00	n.a.	52,923.00	n.a.	98,286.00
				Oracle Linux	n.a.	8.65	n.a.	4,740.00	n.a.	4,425.00	n.a.	53,100.00	n.a.	98,640.00
				Red Hat	n.a.	8.75	n.a.	4,814.00	n.a.	4,499.00	n.a.	53,987.00	n.a.	100,413.00
				SUSE/SAP	n.a.	8.88	n.a.	4,904.00	n.a.	4,580.00	n.a.	54,961.00	n.a.	102,147.00
				SUSE Linux	n.a.	8.73	n.a.	4,784.00	n.a.	4,469.00	n.a.	53,543.00	n.a.	99,349.00
				Windows	n.a.	9.28	n.a.	5,355.00	n.a.	5,040.00	n.a.	60,484.00	n.a.	113,407.00
Ultra-high I/O i3.2xlarge.8	8	64	1 x 3.2 TB NVMe	open Linux	n.a.	1.18	n.a.	n.a. from 15.01.2025: 648.00	n.a.	n.a. from 15.01.2025: 605.00	n.a.	n.a. from 15.01.2025: 7,263.00	n.a.	n.a. from 15.01.2025: 13,488.00
				Oracle Linux	n.a.	1.20	n.a.	n.a. from 15.01.2025: 663.00	n.a.	n.a. from 15.01.2025: 620.00	n.a.	n.a. from 15.01.2025: 7,440.00	n.a.	n.a. from 15.01.2025: 13,843.00
				Red Hat	n.a.	1.31	n.a.	n.a. from 15.01.2025: 737.00	n.a.	n.a. from 15.01.2025: 694.00	n.a.	n.a. from 15.01.2025: 8,326.00	n.a.	n.a. from 15.01.2025: 15,615.00
				SUSE/SAP	n.a.	1.43	n.a.	n.a. from 15.01.2025: 827.00	n.a.	n.a. from 15.01.2025: 775.00	n.a.	n.a. from 15.01.2025: 9,301.00	n.a.	n.a. from 15.01.2025: 17,349.00
				SUSE Linux	n.a.	1.29	n.a.	n.a. from 15.01.2025: 708.00	n.a.	n.a. from 15.01.2025: 664.00	n.a.	n.a. from 15.01.2025: 7,883.00	n.a.	n.a. from 15.01.2025: 14,552.00
				Windows	n.a.	2.01	n.a.	n.a. from 15.01.2025: 1,171.00	n.a.	n.a. from 15.01.2025: 1,102.00	n.a.	n.a. from 15.01.2025: 13,222.00	n.a.	n.a. from 15.01.2025: 24,791.00
Ultra-high I/O i3.4xlarge.8	16	128	2 x 3.2 TB NVMe	open Linux	n.a.	2.37	n.a.	n.a. from 15.01.2025: 1,297.00	n.a.	n.a. from 15.01.2025: 1,210.00	n.a.	n.a. from 15.01.2025: 14,526.00	n.a.	n.a. from 15.01.2025: 26,977.00
				Oracle Linux	n.a.	2.39	n.a.	n.a. from 15.01.2025: 1,312.00	n.a.	n.a. from 15.01.2025: 1,225.00	n.a.	n.a. from 15.01.2025: 14,703.00	n.a.	n.a. from 15.01.2025: 27,331.00
				Red Hat	n.a.	2.49	n.a.	n.a. from 15.01.2025: 1,386.00	n.a.	n.a. from 15.01.2025: 1,299.00	n.a.	n.a. from 15.01.2025: 15,589.00	n.a.	n.a. from 15.01.2025: 29,103.00
				SUSE/SAP	n.a.	2.61	n.a.	n.a. from 15.01.2025: 1,476.00	n.a.	n.a. from 15.01.2025: 1,380.00	n.a.	n.a. from 15.01.2025: 16,564.00	n.a.	n.a. from 15.01.2025: 30,838.00
				SUSE Linux	n.a.	2.47	n.a.	n.a. from 15.01.2025: 1,356.00	n.a.	n.a. from 15.01.2025: 1,270.00	n.a.	n.a. from 15.01.2025: 15,146.00	n.a.	n.a. from 15.01.2025: 28,040.00
				Windows	n.a.	2.56	n.a.	n.a. from 15.01.2025: 1,470.00	n.a.	n.a. from 15.01.2025: 1,383.00	n.a.	n.a. from 15.01.2025: 16,601.00	n.a.	n.a. from 15.01.2025: 31,127.00
Ultra-high I/O i3.8xlarge.8	32	256	4 x 3.2 TB NVMe	open Linux	n.a.	4.74	n.a.	n.a. from 15.01.2025: 2,594.00	n.a.	n.a. from 15.01.2025: 2,421.00	n.a.	n.a. from 15.01.2025: 29,052.00	n.a.	n.a. from 15.01.2025: 53,953.00
				Oracle Linux	n.a.	4.76	n.a.	n.a. from 15.01.2025: 2,609.00	n.a.	n.a. from 15.01.2025: 2,436.00	n.a.	n.a. from 15.01.2025: 29,229.00	n.a.	n.a. from 15.01.2025: 54,308.00
				Red Hat	n.a.	4.86	n.a.	n.a. from 15.01.2025: 2,683.00	n.a.	n.a. from 15.01.2025: 2,510.00	n.a.	n.a. from 15.01.2025: 30,115.00	n.a.	n.a. from 15.01.2025: 56,080.00
				SUSE/SAP	n.a.	4.98	n.a.	n.a. from 15.01.2025: 2,773.00	n.a.	n.a. from 15.01.2025: 2,591.00	n.a.	n.a. from 15.01.2025: 31,089.00	n.a.	n.a. from 15.01.2025: 57,814.00
				SUSE Linux	n.a.	4.84	n.a.	n.a. from 15.01.2025: 2,653.00	n.a.	n.a. from 15.01.2025: 2,480.00	n.a.	n.a. from 15.01.2025: 29,672.00	n.a.	n.a. from 15.01.2025: 55,017.00
				Windows	n.a.	4.97	n.a.	n.a. from 15.01.2025: 2,940.00	n.a.	n.a. from 15.01.2025: 2,767.00	n.a.	n.a. from 15.01.2025: 33,202.00	n.a.	n.a. from 15.01.2025: 62,254.00
Ultra-high I/O i3.12xlarge.8	48	384	6 x 3.2 TB NVMe	open Linux	n.a.	7.11	n.a.	n.a. from 15.01.2025: 3,891.00	n.a.	n.a. from 15.01.2025: 3,631.00	n.a.	n.a. from 15.01.2025: 43,578.00	n.a.	n.a. from 15.01.2025: 80,930.00
				Oracle Linux	n.a.	7.13	n.a.	n.a. from 15.01.2025: 3,906.00	n.a.	n.a. from 15.01.2025: 3,646.00	n.a.	n.a. from 15.01.2025: 43,755.00	n.a.	n.a. from 15.01.2025: 81,284.00
				Red Hat	n.a.	7.23	n.a.	n.a. from 15.01.2025: 3,979.00	n.a.	n.a. from 15.01.2025: 3,720.00	n.a.	n.a. from 15.01.2025: 44,641.00	n.a.	n.a. from 15.01.2025: 83,057.00
				SUSE/SAP	n.a.	7.35	n.a.	n.a. from 15.01.2025: 4,070.00	n.a.	n.a. from 15.01.2025: 3,801.00	n.a.	n.a. from 15.01.2025: 45,615.00	n.a.	n.a. from 15.01.2025: 84,791.00
				SUSE Linux	n.a.	7.21	n.a.	n.a. from 15.01.2025: 3,950.00	n.a.	n.a. from 15.01.2025: 3,691.00	n.a.	n.a. from 15.01.2025: 44,198.00	n.a.	n.a. from 15.01.2025: 81,993.00
				Windows	n.a.	7.58	n.a.	n.a. from 15.01.2025: 4,410.00	n.a.	n.a. from 15.01.2025: 4,150.00	n.a.	n.a. from 15.01.2025: 49,803.00	n.a.	n.a. from 15.01.2025: 93,381.00

Name	vCPU	GB RAM	Additional Information	Operating System Group	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour	EU-DE Reserved 12 months in euro/month	EU-NL Reserved 12 months in euro/month	EU-DE Reserved 24 months in euro/month	EU-NL Reserved 24 months in euro/month	EU-DE Reserved Upfront 12 months in euro	EU-NL Reserved Upfront 12 months in euro	EU-DE Reserved Upfront 24 months in euro	EU-NL Reserved Upfront 24 months in euro
Ultra-high I/O i3.16xlarge.8	64	512	8 x 3.2 TB NVMe	open Linux	n.a.	9.48	n.a.	n.a. from 15.01.2025: 5,188.00	n.a.	n.a. from 15.01.2025: 4,842.00	n.a.	n.a. from 15.01.2025: 58,103.00	n.a.	n.a. from 15.01.2025: 107,906.00
				Oracle Linux	n.a.	9.50	n.a.	n.a. from 15.01.2025: 5,203.00	n.a.	n.a. from 15.01.2025: 4,857.00	n.a.	n.a. from 15.01.2025: 58,281.00	n.a.	n.a. from 15.01.2025: 108,261.00
				Red Hat	n.a.	9.60	n.a.	n.a. from 15.01.2025: 5,276.00	n.a.	n.a. from 15.01.2025: 4,931.00	n.a.	n.a. from 15.01.2025: 59,167.00	n.a.	n.a. from 15.01.2025: 110,033.00
				SUSE/SAP	n.a.	9.72	n.a.	n.a. from 15.01.2025: 5,367.00	n.a.	n.a. from 15.01.2025: 5,012.00	n.a.	n.a. from 15.01.2025: 60,141.00	n.a.	n.a. from 15.01.2025: 111,767.00
				SUSE Linux	n.a.	9.58	n.a.	n.a. from 15.01.2025: 5,247.00	n.a.	n.a. from 15.01.2025: 4,901.00	n.a.	n.a. from 15.01.2025: 58,724.00	n.a.	n.a. from 15.01.2025: 108,970.00
				Windows	n.a.	10.19	n.a.	n.a. from 15.01.2025: 5,880.00	n.a.	n.a. from 15.01.2025: 5,534.00	n.a.	n.a. from 15.01.2025: 66,404.00	n.a.	n.a. from 15.01.2025: 124,507.00
Ultra-high I/O i3m.2xlarge.8	8	64	n.a.	open Linux	n.a.	0.943336	n.a.	516.00	n.a.	482.00	n.a.	5,785.00	n.a.	10,743.00
				Oracle Linux	n.a.	0.963567	n.a.	531.00	n.a.	497.00	n.a.	5,962.00	n.a.	11,097.00
				Red Hat	n.a.	1.06	n.a.	605.00	n.a.	571.00	n.a.	6,848.00	n.a.	12,869.00
				SUSE/SAP	n.a.	1.19	n.a.	695.00	n.a.	652.00	n.a.	7,822.00	n.a.	14,604.00
				SUSE Linux	n.a.	1.04	n.a.	576.00	n.a.	541.00	n.a.	6,405.00	n.a.	11,806.00
				Windows	n.a.	1.04	n.a.	585.00	n.a.	551.00	n.a.	6,611.00	n.a.	12,395.00
Ultra-high I/O i3m.4xlarge.8	16	128	n.a.	open Linux	n.a.	1.89	n.a.	1,033.00	n.a.	964.00	n.a.	11,569.00	n.a.	21,485.00
				Oracle Linux	n.a.	1.91	n.a.	1,048.00	n.a.	979.00	n.a.	11,746.00	n.a.	21,840.00
				Red Hat	n.a.	2.01	n.a.	1,122.00	n.a.	1,053.00	n.a.	12,632.00	n.a.	23,612.00
				SUSE/SAP	n.a.	2.13	n.a.	1,212.00	n.a.	1,134.00	n.a.	13,607.00	n.a.	25,346.00
				SUSE Linux	n.a.	1.99	n.a.	1,092.00	n.a.	1,023.00	n.a.	12,189.00	n.a.	22,549.00
				Windows	n.a.	1.98	n.a.	1,171.00	n.a.	1,102.00	n.a.	13,222.00	n.a.	24,791.00
Ultra-high I/O i3m.8xlarge.8	32	192	n.a.	open Linux	n.a.	3.08	n.a.	1,686.00	n.a.	1,574.00	n.a.	18,886.00	n.a.	35,074.00
				Oracle Linux	n.a.	3.10	n.a.	1,701.00	n.a.	1,589.00	n.a.	19,063.00	n.a.	35,429.00
				Red Hat	n.a.	3.20	n.a.	1,775.00	n.a.	1,662.00	n.a.	19,950.00	n.a.	37,201.00
				SUSE/SAP	n.a.	3.32	n.a.	1,865.00	n.a.	1,744.00	n.a.	20,924.00	n.a.	38,935.00
				SUSE Linux	n.a.	3.18	n.a.	1,745.00	n.a.	1,633.00	n.a.	19,507.00	n.a.	36,138.00
				Windows	n.a.	3.27	n.a.	1,911.00	n.a.	1,799.00	n.a.	21,584.00	n.a.	40,471.00
Ultra-high I/O i3m.12xlarge.8	48	256	n.a.	open Linux	n.a.	4.51	n.a.	2,472.00	n.a.	2,307.00	n.a.	27,682.00	n.a.	51,409.00
				Oracle Linux	n.a.	4.53	n.a.	2,486.00	n.a.	2,322.00	n.a.	27,859.00	n.a.	51,764.00
				Red Hat	n.a.	4.64	n.a.	2,560.00	n.a.	2,395.00	n.a.	28,745.00	n.a.	53,536.00
				SUSE/SAP	n.a.	4.76	n.a.	2,650.00	n.a.	2,477.00	n.a.	29,720.00	n.a.	55,270.00
				SUSE Linux	n.a.	4.62	n.a.	2,531.00	n.a.	2,366.00	n.a.	28,302.00	n.a.	52,473.00
				Windows	n.a.	4.82	n.a.	2,801.00	n.a.	2,636.00	n.a.	31,636.00	n.a.	59,318.00
Ultra-high I/O i3m.16xlarge.8	64	512	n.a.	open Linux	n.a.	6.58	n.a.	3,604.00	n.a.	3,364.00	n.a.	40,363.00	n.a.	74,959.00
				Oracle Linux	n.a.	6.60	n.a.	3,619.00	n.a.	3,378.00	n.a.	40,540.00	n.a.	75,314.00
				Red Hat	n.a.	6.70	n.a.	3,692.00	n.a.	3,452.00	n.a.	41,426.00	n.a.	77,086.00
				SUSE/SAP	n.a.	6.83	n.a.	3,783.00	n.a.	3,533.00	n.a.	42,400.00	n.a.	78,820.00
				SUSE Linux	n.a.	6.68	n.a.	3,663.00	n.a.	3,423.00	n.a.	40,983.00	n.a.	76,023.00
				Windows	n.a.	7.03	n.a.	4,084.00	n.a.	3,844.00	n.a.	46,129.00	n.a.	86,491.00

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6.2.1.14 Physical Elastic Cloud Server

Name	vCPU	GB RAM	Operating System Group	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour	EU-DE Reserved 12 months in euro/month	EU-NL Reserved 12 months in euro/month	EU-DE Reserved 24 months in euro/month	EU-NL Reserved 24 months in euro/month	EU-DE Reserved Upfront 12 months in euro	EU-NL Reserved Upfront 12 months in euro	EU-DE Reserved Upfront 24 months in euro	EU-NL Reserved Upfront 24 months in euro
BM I/O Optimized p.i7n.xl	56	512	open Linux	6.80	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
			Windows	7.44	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
BM General Purpose c7t.28xl Linux	112	512	open Linux	6.99	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

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6.2.2 Dedicated Host

Name	vCPU	GB RAM	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour	EU-DE Reserved 12 months in euro/month	EU-NL Reserved 12 months in euro/month	EU-DE Reserved 24 months in euro/month	EU-NL Reserved 24 months in euro/month	EU-DE Reserved Upfront 12 months in euro	EU-NL Reserved Upfront 12 months in euro	EU-DE Reserved Upfront 24 months in euro	EU-NL Reserved Upfront 24 months in euro
Ded. Host s2-medium	72	328	3.19	n.a.	1,648.00	n.a.	1,213.00	n.a.	18,456.00	n.a.	28,701.00	n.a.
Ded. Host s2	144	704	10.42	n.a.	5,339.00	n.a.	4,703.00	n.a.	60,264.00	n.a.	103,555.00	n.a.
Ded. Host s3	264	702	n.a.	7.38	n.a.	3,371.20	n.a.	2,865.52	n.a.	37,080.62	n.a.	67,419.70
Ded. Host c3	60	256	4.97	n.a.	2,650.00	n.a.	2,347.00	n.a.	27,258.00	n.a.	40,888.00	n.a.
Ded. Host c4	74	296	6.11	5.25	3,256.00	n.a.	2,884.00	n.a.	33,495.00	n.a.	50,243.00	n.a.
Ded. Host m3	60	512	5.90	n.a.	3,145.00	n.a.	2,785.00	n.a.	32,345.00	n.a.	48,517.00	n.a.
Ded. Host m4	76	608	7.00	6.02	3,732.00	3,209.52	3,305.00	2,842.30	38,384.00	33,010.24	57,577.00	49,516.22
Ded. Host i3	92	324	n.a.	11.01	n.a.	6,029.96	n.a.	5,627.96	n.a.	67,535.52	n.a.	125,423.10

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
License Open Linux VM on Ded. Host	0.000000	0.000000
License Oracle VM on Ded. Host	0.049354	0.042444
License Red Hat VM on Ded. Host	0.057389	0.049355
License SUSE for SAP VM on Ded. Host	0.087231	0.075019
License Suse VM on Ded. Host	0.054519	0.046886
License Windows VM on Ded. Host	0.076780	0.066031

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6.2.3 Auto Scaling

This service is free of charge.

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6.2.4 Image Management Service

The Image Management Service itself is free of charge, however the stored images will be charged by the standard Object Storage Space.

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6.2.5 FunctionGraph

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
execution duration in GB hours	0.050000	n.a.
spare execution duration in GB hours	0.025000	n.a.
Requests per million	0.170000	n.a.

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6.3 Databases

6.3.1 Relational Database Service

6.3.1.1 MySQL

6.3.1.3 Microsoft SQL Server

One licence is required per two vCPUs. In the case of High Availability Clusters, it should be noted that it is an active/passive cluster, so the number of vCPUs of the active instance is used to calculate the required licenses.

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour	EU-DE Reserved 12 months in euro/month	EU-NL Reserved 12 months in euro/month	EU-DE Reserved 24 months in euro/month	EU-NL Reserved 24 months in euro/month	EU-DE Reserved Upfront 12 months in euro	EU-NL Reserved Upfront 12 months in euro	EU-DE Reserved Upfront 24 months in euro	EU-NL Reserved Upfront 24 months in euro
RDS MSSQL 2 vCPU 4 GB RAM	0.298839	0.268955	185.43	166.89	159.25	143.33	1,885.00	1,696.50	3,456.00	3,110.40
RDS MSSQL 2 vCPU 8 GB RAM	0.534765	0.481289	332.00	298.80	285.00	256.50	3,373.00	3,035.70	6,184.00	5,565.60
RDS MSSQL 2 vCPU 16 GB RAM	0.768510	0.691659	477.00	429.30	410.00	369.00	4,847.00	4,362.30	8,886.00	7,997.40
RDS MSSQL 4 vCPU 8 GB RAM	0.597678	0.537910	371.00	333.90	319.00	287.10	3,770.00	3,393.00	6,911.00	6,219.90
RDS MSSQL 4 vCPU 16 GB RAM	1.07	0.963000	664.00	597.60	570.00	513.00	6,746.00	6,071.40	12,367.00	11,130.30
RDS MSSQL 4 vCPU 32 GB RAM	1.54	1.39	954.00	858.60	819.00	737.10	9,694.00	8,724.60	17,773.00	15,995.70
RDS MSSQL 8 vCPU 16 GB RAM	1.61	1.45	1,001.00	900.90	860.00	774.00	10,178.00	9,160.20	18,660.00	16,794.00
RDS MSSQL 8 vCPU 32 GB RAM	2.48	2.23	1,541.00	1,386.90	1,323.00	1,190.70	15,663.00	14,096.70	28,715.00	25,843.50
RDS MSSQL 8 vCPU 64 GB RAM	3.05	2.75	1,893.00	1,703.70	1,626.00	1,463.40	19,243.00	17,318.70	35,278.00	31,750.20
RDS MSSQL 8 vCPU 128 GB RAM	3.32	n.a.	2,060.00	n.a.	1,769.00	n.a.	20,940.00	n.a.	38,390.00	n.a.
RDS MSSQL 8 vCPU 256 GB RAM	3.59	n.a.	2,228.00	n.a.	1,913.00	n.a.	22,643.00	n.a.	41,512.00	n.a.
RDS MSSQL 16 vCPU 32 GB RAM	3.23	2.91	2,003.00	1,802.70	1,720.00	1,548.00	20,356.00	18,320.40	37,320.00	33,588.00
RDS MSSQL 16 vCPU 64 GB RAM	4.97	4.47	3,082.00	2,773.80	2,647.00	2,382.30	31,325.00	28,192.50	57,430.00	51,687.00
RDS MSSQL 16 vCPU 128 GB RAM	6.10	5.49	3,786.00	3,407.40	3,252.00	2,926.80	38,485.00	34,636.50	70,556.00	63,500.40
RDS MSSQL 32 vCPU 64 GB RAM	6.45	5.81	4,005.00	3,604.50	3,440.00	3,096.00	40,713.00	36,641.70	74,640.00	67,176.00
RDS MSSQL 32 vCPU 128 GB RAM	9.93	8.94	6,164.00	5,547.60	5,293.00	4,763.70	62,651.00	56,385.90	114,860.00	103,374.00
RDS MSSQL 32 vCPU 256 GB RAM	12.20	10.98	7,572.00	6,814.80	6,503.00	5,852.70	76,970.00	69,273.00	141,112.00	127,000.80
RDS MSSQL 60 vCPU 128 GB RAM	12.10	10.89	7,510.00	6,759.00	6,450.00	5,805.00	76,336.00	68,702.40	139,949.00	125,954.10
RDS MSSQL 60 vCPU 256 GB RAM	18.62	16.76	11,557.00	10,401.30	9,925.00	8,932.50	117,470.00	105,723.00	215,362.00	193,825.80
RDS MSSQL 60 vCPU 512 GB RAM	22.88	20.59	14,198.00	12,778.20	12,194.00	10,974.60	144,319.00	129,887.10	264,586.00	238,127.40
RDS MSSQL HA 2 vCPU 4 GB RAM	0.597678	0.537910	371.00	333.90	319.00	287.10	3,770.00	3,393.00	6,911.00	6,219.90
RDS MSSQL HA 2 vCPU 8 GB RAM	1.07	0.963000	664.00	597.60	570.00	513.00	6,746.00	6,071.40	12,367.00	11,130.30
RDS MSSQL HA 2 vCPU 16 GB RAM	1.54	1.39	954.00	858.60	819.00	737.10	9,694.00	8,724.60	17,773.00	15,995.70
RDS MSSQL HA 4 vCPU 8 GB RAM	1.20	1.08	742.00	667.80	637.00	573.30	7,539.00	6,785.10	13,822.00	12,439.80
RDS MSSQL HA 4 vCPU 16 GB RAM	2.14	1.93	1,327.00	1,194.30	1,140.00	1,026.00	13,491.00	12,141.90	24,734.00	22,260.60
RDS MSSQL HA 4 vCPU 32 GB RAM	3.07	2.76	1,907.00	1,716.30	1,638.00	1,474.20	19,389.00	17,450.10	35,546.00	31,991.40
RDS MSSQL HA 8 vCPU 16 GB RAM	3.23	2.91	2,003.00	1,802.70	1,720.00	1,548.00	20,356.00	18,320.40	37,320.00	33,588.00
RDS MSSQL HA 8 vCPU 32 GB RAM	4.97	4.47	3,082.00	2,773.80	2,647.00	2,382.30	31,325.00	28,192.50	57,430.00	51,687.00
RDS MSSQL HA 8 vCPU 64 GB RAM	6.10	5.49	3,786.00	3,407.40	3,252.00	2,926.80	38,485.00	34,636.50	70,556.00	63,500.40
RDS MSSQL HA 8 vCPU 128 GB RAM	6.64	n.a.	4,120.00	n.a.	3,538.00	n.a.	41,879.00	n.a.	76,779.00	n.a.
RDS MSSQL HA 8 vCPU 256 GB RAM	7.18	n.a.	4,455.00	n.a.	3,826.00	n.a.	45,286.00	n.a.	83,024.00	n.a.
RDS MSSQL HA 16 vCPU 32 GB RAM	6.45	5.81	4,005.00	3,604.50	3,440.00	3,096.00	40,713.00	36,641.70	74,640.00	67,176.00
RDS MSSQL HA 16 vCPU 64 GB RAM	9.93	8.94	6,164.00	5,547.60	5,293.00	4,763.70	62,651.00	56,385.90	114,860.00	103,374.00
RDS MSSQL HA 16 vCPU 128 GB RAM	12.20	10.98	7,572.00	6,814.80	6,503.00	5,852.70	76,970.00	69,273.00	141,112.00	127,000.80
RDS MSSQL HA 32 vCPU 64 GB RAM	12.91	11.62	8,011.00	7,209.90	6,880.00	6,192.00	81,425.00	73,282.50	149,279.00	134,351.10
RDS MSSQL HA 32 vCPU 128 GB RAM	19.87	17.88	12,327.00	11,094.30	10,587.00	9,528.30	125,302.00	112,771.80	229,720.00	206,748.00
RDS MSSQL HA 32 vCPU 256 GB RAM	24.41	21.97	15,145.00	13,630.50	13,007.00	11,706.30	153,941.00	138,546.90	282,225.00	254,002.50
RDS MSSQL HA 60 vCPU 128 GB RAM	24.21	21.79	15,020.00	13,518.00	12,899.00	11,609.10	152,672.00	137,404.80	279,899.00	251,909.10
RDS MSSQL HA 60 vCPU 256 GB RAM	37.25	33.53	23,113.00	20,801.70	19,850.00	17,865.00	234,941.00	211,446.90	430,724.00	387,651.60
RDS MSSQL HA 60 vCPU 512 GB RAM	45.76	41.18	28,396.00	25,556.40	24,387.00	21,948.30	288,639.00	259,775.10	529,171.00	476,253.90

Lizenzkosten Microsoft SQL Server:

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
License MSSQL 2017 SE	0.000000	0.000000
License MSSQL 2017 EE	0.330000	0.297000
License MSSQL 2019 SE	0.000000	0.000000
License MSSQL 2019 EE	0.330000	0.297000
License MSSQL 2022 SE	0.000000	0.000000
License MSSQL 2022 EE	0.330000	0.297000

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6.3.1.4 Relational Database Service – Storage & Backup

Name	charging unit	price EU-DE in Euro	price EU-NL in Euro
RDS EVS Common I/O	GB	0.050600	n.a.
RDS EVS Common I/O HA		0.101200	n.a.
RDS EVS Ultra-high I/O	GB	0.110000	0.099000
RDS EVS Ultra-high I/O HA		0.220000	0.198000
RDS EVS Extreme SSD	GB	0.308000	0.277200
RDS EVS Extreme SSD HA		0.616000	0.554400
RDS Backup Space	GB	0.085800	0.077220

*Ultra High I/O also called Cloud SSD

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6.3.2 Distributed Cache Service

6.3.2.1 Distributed Cache Service basierend auf Redis 3.x

Name	GB RAM	charging unit	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
DCS Single Node 0.125 GB	0.125	h	0.001976	0.001778
DCS Single Node 0.25 GB	0.25		0.003951	0.003556
DCS Single Node 0.5 GB	0.5		0.007902	0.007112
DCS Single Node 1GB	1		0.015805	0.014225
DCS Single Node 2GB	2		0.037728	0.033955
DCS Single Node 4GB	4		0.079527	0.071574
DCS Single Node 8GB	8		0.202121	0.181909
DCS Single Node 16GB	16		0.453206	0.407885
DCS Single Node 24GB	24		0.600992	0.540893
DCS Single Node 32GB	32		0.696234	0.626611
DCS Single Node 48GB	48		1.07	0.963000
DCS Single Node 64GB	64		1.46	1.31
DCS Primary Standby 0.125 GB	0.125		h	0.003457
DCS Primary Standby 0.25 GB	0.25	0.006915		0.006224
DCS Primary Standby 0.5 GB	0.5	0.013829		0.012446
DCS Primary Standby 1GB	1	0.027658		0.024892
DCS Primary Standby 2GB	2	0.066024		0.059422
DCS Primary Standby 4GB	4	0.139172		0.125255
DCS Primary Standby 8GB	8	0.353711		0.318340
DCS Primary Standby 16GB	16	0.793110		0.713799
DCS Primary Standby 24GB	24	1.05		0.945000
DCS Primary Standby 32GB	32	1.22		1.10
DCS Primary Standby 48GB	48	1.87		1.68
DCS Primary Standby 64GB	64	2.55		2.30
DCS Cluster 48GB	48	h		2.06
DCS Cluster 64GB	64		2.75	2.48
DCS Cluster 96GB	96		4.12	3.71
DCS Cluster 128GB	128		5.49	4.94
DCS Cluster 192GB	192		8.24	7.42
DCS Cluster 256GB	256		10.98	9.88
DCS Cluster 384GB	348		16.47	14.82
DCS Cluster 1024GB	1024		43.93	39.54
DCS Cluster 512GB	512		21.96	19.76
DCS Cluster 768GB	768		32.95	29.66
DCS Backup Space	n. a.	GB	0.087206	0.078485

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6.3.2.2 Distributed Cache Service based on Redis 4.x, 5.x and 6.x

Name	GB RAM	charging unit	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
DCS2 Single Instance 0,125 GB	0,125	h	0.002173	0.001956
DCS2 Single Instance 0,25 GB	0,25		0.004346	0.003911
DCS2 Single Instance 0,5 GB	0,5		0.008693	0.007824
DCS2 Single Instance 1 GB	1		0.017385	0.015647
DCS2 Single Instance 2 GB	2		0.034771	0.031294
DCS2 Single Instance 4 GB	4		0.069541	0.062587
DCS2 Single Instance 8 GB	8		0.139082	0.125174
DCS2 Single Instance 16 GB	16		0.278164	0.250348
DCS2 Single Instance 24 GB	24		0.417247	0.375522
DCS2 Single Instance 32 GB	32		0.556329	0.500696
DCS2 Single Instance 48 GB	48		0.834493	0.751044
DCS2 Single Instance 64 GB	64		1.11	0.999000
DCS2 HA 2 Replicas 0,125 GB	0,125	h	0.003803	0.003423
DCS2 HA 2 Replicas 0,25 GB	0,25		0.007606	0.006845
DCS2 HA 2 Replicas 0,5 GB	0,5		0.015212	0.013691
DCS2 HA 2 Replicas 1 GB	1		0.030424	0.027382
DCS2 HA 2 Replicas 2 GB	2		0.060848	0.054763
DCS2 HA 2 Replicas 4 GB	4		0.121697	0.109527
DCS2 HA 2 Replicas 8 GB	8		0.243394	0.219055
DCS2 HA 2 Replicas 16 GB	16		0.486788	0.438109
DCS2 HA 2 Replicas 24 GB	24		0.730182	0.657164
DCS2 HA 2 Replicas 32 GB	32		0.973576	0.876218
DCS2 HA 2 Replicas 48 GB	48		1.46	1.31
DCS2 HA 2 Replicas 64 GB	64		1.95	1.76
DCS2 HA 3 Replicas 0,125 GB	0,125	h	0.005705	0.005135
DCS2 HA 3 Replicas 0,25 GB	0,25		0.011409	0.010268
DCS2 HA 3 Replicas 0,5 GB	0,5		0.022818	0.020536
DCS2 HA 3 Replicas 1 GB	1		0.045636	0.041072
DCS2 HA 3 Replicas 2 GB	2		0.091273	0.082146
DCS2 HA 3 Replicas 4 GB	4		0.182545	0.164291
DCS2 HA 3 Replicas 8 GB	8		0.365091	0.328582
DCS2 HA 3 Replicas 16 GB	16		0.730182	0.657164
DCS2 HA 3 Replicas 24 GB	24		1.10	0.990000
DCS2 HA 3 Replicas 32 GB	32		1.46	1.31
DCS2 HA 3 Replicas 48 GB	48		2.19	1.97
DCS2 HA 3 Replicas 64 GB	64		2.92	2.63
DCS2 HA 4 Replicas 0,125 GB	0,125	h	0.007606	0.006845
DCS2 HA 4 Replicas 0,25 GB	0,25		0.015212	0.013691
DCS2 HA 4 Replicas 0,5 GB	0,5		0.030424	0.027382
DCS2 HA 4 Replicas 1 GB	1		0.060848	0.054763
DCS2 HA 4 Replicas 2 GB	2		0.121697	0.109527
DCS2 HA 4 Replicas 4 GB	4		0.243394	0.219055
DCS2 HA 4 Replicas 8 GB	8		0.486788	0.438109
DCS2 HA 4 Replicas 16 GB	16		0.973576	0.876218
DCS2 HA 4 Replicas 24 GB	24		1.46	1.31
DCS2 HA 4 Replicas 32 GB	32		1.95	1.76
DCS2 HA 4 Replicas 48 GB	48		2.92	2.63
DCS2 HA 4 Replicas 64 GB	64		3.89	3.50
DCS2 HA 5 Replicas 0,125 GB	0,125	h	0.009508	0.008557
DCS2 HA 5 Replicas 0,25 GB	0,25		0.019015	0.017114
DCS2 HA 5 Replicas 0,5 GB	0,5		0.038030	0.034227
DCS2 HA 5 Replicas 1 GB	1		0.076061	0.068455
DCS2 HA 5 Replicas 2 GB	2		0.152121	0.136909
DCS2 HA 5 Replicas 4 GB	4		0.304242	0.273818
DCS2 HA 5 Replicas 8 GB	8		0.608485	0.547637
DCS2 HA 5 Replicas 16 GB	16		1.22	1.10
DCS2 HA 5 Replicas 24 GB	24		1.83	1.65
DCS2 HA 5 Replicas 32 GB	32		2.43	2.19
DCS2 HA 5 Replicas 48 GB	48		3.65	3.29
DCS2 HA 5 Replicas 64 GB	64		4.87	4.38
DCS2 Cluster 1 Replica 4 GB	4	h	0.076495	0.068846
DCS2 Cluster 1 Replica 8 GB	8		0.152990	0.137691
DCS2 Cluster 1 Replica 16 GB	16		0.305981	0.275383
DCS2 Cluster 1 Replica 24 GB	24		0.458971	0.413074
DCS2 Cluster 1 Replica 32 GB	32		0.611962	0.550766
DCS2 Cluster 1 Replica 48 GB	48		0.917943	0.826149
DCS2 Cluster 1 Replica 64 GB	64		1.22	1.10
DCS2 Cluster 1 Replica 96 GB	96		1.84	1.66
DCS2 Cluster 1 Replica 128 GB	128		2.45	2.21
DCS2 Cluster 1 Replica 192 GB	192		3.67	3.30
DCS2 Cluster 1 Replica 256 GB	256		4.90	4.41
DCS2 Cluster 1 Replica 384 GB	384		7.34	6.61
DCS2 Cluster 1 Replica 512 GB	512		9.79	8.81
DCS2 Cluster 1 Replica 768 GB	768		14.69	13.22
DCS2 Cluster 1 Replica 1024 GB	1024		19.58	17.62
DCS2 Cluster 2 Replicas 4 GB	4	h	0.152990	0.137691
DCS2 Cluster 2 Replicas 8 GB	8		0.305981	0.275383
DCS2 Cluster 2 Replicas 16 GB	16		0.611962	0.550766
DCS2 Cluster 2 Replicas 24 GB	24		0.917943	0.826149
DCS2 Cluster 2 Replicas 32 GB	32		1.22	1.10
DCS2 Cluster 2 Replicas 48 GB	48		1.84	1.66
DCS2 Cluster 2 Replicas 64 GB	64		2.45	2.21
DCS2 Cluster 2 Replicas 96 GB	96		3.67	3.30
DCS2 Cluster 2 Replicas 128 GB	128		4.90	4.41
DCS2 Cluster 2 Replicas 192 GB	192		7.34	6.61
DCS2 Cluster 2 Replicas 256 GB	256		9.79	8.81
DCS2 Cluster 2 Replicas 384 GB	384		14.69	13.22
DCS2 Cluster 2 Replicas 512 GB	512		19.58	17.62
DCS2 Cluster 2 Replicas 768 GB	768		29.37	26.43
DCS2 Cluster 2 Replicas 1024 GB	1024		39.17	35.25

Name	GB RAM	charging unit	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
DCS2 Cluster 3 Replicas 4 GB	4	h	0.229486	0.206537
DCS2 Cluster 3 Replicas 8 GB	8		0.458971	0.413074
DCS2 Cluster 3 Replicas 16 GB	16		0.917943	0.826149
DCS2 Cluster 3 Replicas 24 GB	24		1.38	1.24
DCS2 Cluster 3 Replicas 32 GB	32		1.84	1.66
DCS2 Cluster 3 Replicas 48 GB	48		2.75	2.48
DCS2 Cluster 3 Replicas 64 GB	64		3.67	3.30
DCS2 Cluster 3 Replicas 96 GB	96		5.51	4.96
DCS2 Cluster 3 Replicas 128 GB	128		7.34	6.61
DCS2 Cluster 3 Replicas 192 GB	192		11.02	9.92
DCS2 Cluster 3 Replicas 256 GB	256		14.69	13.22
DCS2 Cluster 3 Replicas 384 GB	384		22.03	19.83
DCS2 Cluster 3 Replicas 512 GB	512		29.37	26.43
DCS2 Cluster 3 Replicas 768 GB	768		44.06	39.65
DCS2 Cluster 3 Replicas 1024 GB	1024		58.75	52.88
DCS2 Cluster 4 Replicas 4 GB	4	h	0.305981	0.275383
DCS2 Cluster 4 Replicas 8 GB	8		0.611962	0.550766
DCS2 Cluster 4 Replicas 16 GB	16		1.22	1.10
DCS2 Cluster 4 Replicas 24 GB	24		1.84	1.66
DCS2 Cluster 4 Replicas 32 GB	32		2.45	2.21
DCS2 Cluster 4 Replicas 48 GB	48		3.67	3.30
DCS2 Cluster 4 Replicas 64 GB	64		4.90	4.41
DCS2 Cluster 4 Replicas 96 GB	96		7.34	6.61
DCS2 Cluster 4 Replicas 128 GB	128		9.79	8.81
DCS2 Cluster 4 Replicas 192 GB	192		14.69	13.22
DCS2 Cluster 4 Replicas 256 GB	256		19.58	17.62
DCS2 Cluster 4 Replicas 384 GB	384		29.37	26.43
DCS2 Cluster 4 Replicas 512 GB	512		39.17	35.25
DCS2 Cluster 4 Replicas 768 GB	768		58.75	52.88
DCS2 Cluster 4 Replicas 1024 GB	1024		78.33	70.50
DCS2 Cluster 5 Replicas 4 GB	4	h	0.382476	0.344228
DCS2 Cluster 5 Replicas 8 GB	8		0.764952	0.688457
DCS2 Cluster 5 Replicas 16 GB	16		1.53	1.38
DCS2 Cluster 5 Replicas 24 GB	24		2.29	2.06
DCS2 Cluster 5 Replicas 32 GB	32		3.06	2.75
DCS2 Cluster 5 Replicas 48 GB	48		4.59	4.13
DCS2 Cluster 5 Replicas 64 GB	64		6.12	5.51
DCS2 Cluster 5 Replicas 96 GB	96		9.18	8.26
DCS2 Cluster 5 Replicas 128 GB	128		12.24	11.02
DCS2 Cluster 5 Replicas 192 GB	192		18.36	16.52
DCS2 Cluster 5 Replicas 256 GB	256		24.48	22.03
DCS2 Cluster 5 Replicas 384 GB	384		36.72	33.05
DCS2 Cluster 5 Replicas 512 GB	512		48.96	44.06
DCS2 Cluster 5 Replicas 768 GB	768		73.44	66.10
DCS2 Cluster 5 Replicas 1024 GB	1024		97.91	88.12
Proxy Cluster 4 GB	4	h	0.137691	0.123922
Proxy Cluster 8 GB	8	h	0.275383	0.247845
Proxy Cluster 16 GB	16	h	0.550766	0.495689
Proxy Cluster 24 GB	24	h	0.826149	0.743534
Proxy Cluster 32 GB	32	h	1.10	0.990000
Proxy Cluster 48 GB	48	h	1.65	1.49
Proxy Cluster 64 GB	64	h	2.20	1.98
Proxy Cluster 96 GB	96	h	3.30	2.97
Proxy Cluster 128 GB	128	h	4.41	3.97
Proxy Cluster 192 GB	192	h	6.61	5.95
Proxy Cluster 256 GB	256	h	8.81	7.93
Proxy Cluster 384 GB	384	h	13.22	11.90
Proxy Cluster 512 GB	512	h	17.62	15.86
Proxy Cluster 768 GB	768	h	26.44	23.80
Proxy Cluster 1024 GB	1024	h	35.25	31.73
Read/Write 2 Replicas a 1 GB	1	h	0.048679	0.043811
Read/Write 2 Replicas a 2 GB	2		0.097358	0.087622
Read/Write 2 Replicas a 4 GB	4		0.194715	0.175244
Read/Write 2 Replicas a 8 GB	8		0.389430	0.350487
Read/Write 2 Replicas a 16 GB	16		0.778861	0.700975
Read/Write 2 Replicas a 32 GB	32		1.56	1.40
Read/Write 2 Replicas a 64 GB	64		3.12	2.81
Read/Write 3 Replicas a 1 GB	1	h	0.073018	0.065716
Read/Write 3 Replicas a 2 GB	2		0.146036	0.131432
Read/Write 3 Replicas a 4 GB	4		0.292073	0.262866
Read/Write 3 Replicas a 8 GB	8		0.584145	0.525731
Read/Write 3 Replicas a 16 GB	16		1.17	1.05
Read/Write 3 Replicas a 32 GB	32		2.34	2.11
Read/Write 3 Replicas a 64 GB	64		4.67	4.20
Read/Write 4 Replicas a 1 GB	1	h	0.097358	0.087622
Read/Write 4 Replicas a 2 GB	2		0.194715	0.175244
Read/Write 4 Replicas a 4 GB	4		0.389430	0.350487
Read/Write 4 Replicas a 8 GB	8		0.778861	0.700975
Read/Write 4 Replicas a 16 GB	16		1.56	1.40
Read/Write 4 Replicas a 32 GB	32		3.12	2.81
Read/Write 4 Replicas a 64 GB	64		6.23	5.61
Read/Write 5 Replicas a 1 GB	1	h	0.121697	0.109527
Read/Write 5 Replicas a 2 GB	2		0.243394	0.219055
Read/Write 5 Replicas a 4 GB	4		0.486788	0.438109
Read/Write 5 Replicas a 8 GB	8		0.973576	0.876218
Read/Write 5 Replicas a 16 GB	16		1.95	1.76
Read/Write 5 Replicas a 32 GB	32		3.89	3.50
Read/Write 5 Replicas a 64 GB	64		7.79	7.01

Name	GB RAM	charging unit	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
Read/Write 6 Replicas a 1 GB	1	h	0.146036	0.131432
Read/Write 6 Replicas a 2 GB	2		0.292073	0.262866
Read/Write 6 Replicas a 4 GB	4		0.584145	0.525731
Read/Write 6 Replicas a 8 GB	8		1.17	1.05
Read/Write 6 Replicas a 16 GB	16		2.34	2.11
Read/Write 6 Replicas a 32 GB	32		4.67	4.20
Read/Write 6 Replicas a 64 GB	64		9.35	8.42
DCS Backup Space	n. a.	GB	0.087206	0.078485

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6.3.3 Document Database Service

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
DDS Node 1 vCPU 4 GB RAM	0.063986	0.057587
DDS Node 2 vCPU 8 GB RAM	0.120696	0.108626
DDS Node 4 vCPU 16 GB RAM	0.227387	0.204648
DDS Node 8 vCPU 32 GB RAM	0.440009	0.396008
DDS Node 16 vCPU 64 GB RAM	0.865251	0.778726
DDS Shard 1 vCPU 4 GB RAM	0.095979	0.086381
DDS Shard 2 vCPU 8 GB RAM	0.173281	0.155953
DDS Shard 4 vCPU 16 GB RAM	0.341080	0.306972
DDS Shard 8 vCPU 32 GB RAM	0.626674	0.564007
DDS Shard 16 vCPU 64 GB RAM	1.88	1.69
DDS Config 2 vCPU 4 GB RAM	0.377829	0.340046
DDS Replica 1 vCPU 4 GB RAM	0.147660	0.132894
DDS Replica 2 vCPU 8 GB RAM	0.317790	0.286011
DDS Replica 4 vCPU 16 GB RAM	0.637862	0.574076
DDS Replica 8 vCPU 32 GB RAM	1.28	1.15
DDS Replica 16 vCPU 64 GB RAM	2.55	2.30
DDS Single 1 vCPU 4 GB RAM	0.095979	0.086381
DDS Single 2 vCPU 8 GB RAM	0.173281	0.155953
DDS Single 4 vCPU 16 GB RAM	0.341080	0.306972
DDS Single 8 vCPU 32 GB RAM	0.626674	0.564007
DDS Single 16 vCPU 64 GB RAM	1.88	1.69

Name	charging unit	price EU-DE in Euro	price EU-NL in Euro
DDS EVS Config Ultra-high I/O	GB	0.110000	0.099000
DDS EVS Replica Ultra-high I/O	GB	0.110000	0.099000
DDS EVS Shard Ultra-high I/O	GB	0.110000	0.099000
DDS EVS Single Node Ultra-high I/O	GB	0.110000	0.099000
DDS Backup Space	GB	0.085800	0.077220

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6.3.4 Cloud Search Service

Name	vCPU	GB RAM	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
CSS Cluster css.medium.8	1	8	0.110056	0.099050
CSS Cluster css.large.4	2	8	0.158555	0.142700
CSS Cluster css.large.8	2	16	0.220112	0.198101
CSS Cluster css.xlarge.2	4	8	0.266746	0.240071
CSS Cluster css.xlarge.4	4	16	0.316178	0.284560
CSS Cluster css.xlarge.8	4	32	0.440224	0.396202
CSS Cluster css.2xlarge.2	8	16	0.533492	0.480143
CSS Cluster css.2xlarge.4	8	32	0.633288	0.569959
CSS Cluster css.2xlarge.8	8	64	0.880448	0.792403
CSS Cluster css.4xlarge.2	16	32	1.07	0.963000
CSS Cluster css.4xlarge.4	16	64	1.27	1.14
CSS Cluster css.4xlarge.8	16	128	1.76	1.58
CSS Cluster css.8xlarge.2	32	64	2.14	1.93
CSS Cluster css.8xlarge.4	32	128	2.53	2.28
CSS Cluster css.8xlarge.8	32	256	3.52	3.17

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6.3.5 Data Replication Service

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

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
DRS Sync In/Out to Cloud	0.216600	0.194940
DRS Sync Node selfbuilt	0.216600	0.194940
DRS selfbuilt node	0.433200	0.389880
DRS Backup Restore VM	0.476520	0.476520

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6.3.6 GaussDB (for MySQL)

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
GaussDB MySQL ARM 2 vCPU 8 GB RAM	0.193618	n.a.
RDS GaussDB for MySQL 4 vCPU 32 GB RAM	0.529316	n.a.
GaussDB MySQL ARM 8 vCPU 64 GB RAM	1.06	n.a.
GaussDB MySQL ARM 16 vCPU 128 GB RAM	2.12	n.a.
GaussDB MySQL ARM 32 vCPU 256 GB RAM	4.23	n.a.
GaussDB MySQL ARM 48 vCPU 384 GB RAM	6.35	n.a.
GaussDB MySQL ARM 60 vCPU 480 GB RAM	8.89	n.a.
GaussDB MySQL x86 2 vCPU 8 GB RAM	0.259027	n.a.
GaussDB MySQL x86 4 vCPU 32 GB RAM	0.608714	n.a.
GaussDB MySQL x86 8 vCPU 64 GB RAM	1.22	n.a.
GaussDB MySQL x86 16 vCPU 128 GB RAM	2.43	n.a.
GaussDB MySQL x86 32 vCPU 256 GB RAM	4.87	n.a.
GaussDB MySQL x86 64 vCPU 512 GB RAM	10.91	n.a.

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6.3.7 GeminiDB

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
GeminiDB Cassandra 4 vCPU 32 GB RAM	0.493345	n.a.
GeminiDB Cassandra 8 vCPU 64 GB RAM	0.986690	n.a.
GeminiDB Cassandra 16 vCPU 128 GB RAM	1.97	n.a.
GeminiDB Cassandra 32 vCPU 256 GB RAM	3.95	n.a.
GeminiDB Cassandra 60 vCPU 480 GB RAM	8.29	n.a.

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6.3.8 Distributed Database Middleware

Name	vCPU	GB RAM	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
ddm xlarge.4	4	16	n.a.	n.a.
ddm 2xlarge.2	8	16	0,935000	n.a.
ddm 4xlarge.2	16	32	1,89	n.a.
ddm 8xlarge.2	32	64	3,76	n.a.

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6.3.9 Data Admin Service

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
DAS standard 40 Instances	0.500000	n.a.
DAS standard 80 Instances	1.00	n.a.
DAS standard 160 Instances	2.00	n.a.
DAS standard 320 Instances	4.00	n.a.
DAS standard 500 Instances	5.00	n.a.

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6.3.10 Oracle Optimized

Name	vCPU	GB RAM	charging unit	price EU-DE in euro/month	EU-DE Reserved 12 months in euro/month	EU-DE Reserved 24 months in euro/month
oo.xlarge.4 Oracle	4	16	Piece	800.00	720.00	680.00
oo.2xlarge.4 Oracle	8	32	Piece	1,599.00	1,439.00	1,359.00
oo.2xlarge.8 Oracle	8	64	Piece	2,056.00	1,851.00	1,748.00
oo.2xlarge.16 Oracle	8	128	Piece	2,970.00	2,673.00	2,525.00
oo.2xlarge.32 Oracle	8	256	Piece	4,798.00	4,318.00	4,078.00
oo.3xlarge.5 Oracle	12	64	Piece	2,627.00	2,365.00	2,233.00
oo.3xlarge.10 Oracle	12	128	Piece	3,541.00	3,187.00	3,010.00
oo.3xlarge.20 Oracle	12	256	Piece	5,369.00	4,832.00	4,564.00
oo.4xlarge.4 Oracle	16	64	Piece	3,199.00	2,879.00	2,719.00
oo.4xlarge.8 Oracle	16	128	Piece	4,112.00	3,701.00	3,496.00
oo.4xlarge.16 Oracle	16	256	Piece	5,940.00	5,346.00	5,049.00
oo.6xlarge.10 Oracle	24	256	pc	7,083.00	6,374.00	6,020.00
oo.6xlarge.20 Oracle	24	512	pc	10,738.00	9,664.00	9,128.00
oo.8xlarge.8 Oracle	32	256	pc	8,225.00	7,402.00	6,991.00
oo.8xlarge.16 Oracle	32	512	pc	11,881.00	10,693.00	10,099.00

Name	charging unit	price EU-DE in Euro
ZFS High Performance Storage	GB	0.110000

Name	price EU-DE in Euro
Oracle PCA Setup Fee	8,099.00

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6.4 Storage

6.4.1 Object Storage Service

Name	charging unit	Tier	price EU-DE in Euro	price EU-NL in Euro
OBS Standard Space	GB	0 to 5 6 to 1,000 1,001 to 50,000 50,001 to 500,000 from 500,001	0.000000 0.024200 0.023980 0.023650 0.023100	0.000000 0.016940 0.016786 0.016535 0.016170
OBS Warm Space	GB	0 to 5 6 to 1,000 1,001 to 50,000 50,001 to 500,000 from 500,001	0.013200 0.012650 0.012320 0.012100 0.011550	0.009240 0.008855 0.008624 0.008470 0.008085
OBS Cold Space	GB	0 to 5 6 to 1,000 1,001 to 50,000 50,001 to 500,000 from 500,001	0.004620 0.004620 0.004510 0.004400 0.004290	0.003234 0.003234 0.003157 0.003080 0.003003
OBS Standard Requests per 1000	Piece	n. a.	0.004730	0.003311
OBS Warm Requests	Piece	n. a.	0.007700	0.005390
OBS Cold Requests	Piece	n. a.	0.056100	0.039270
OBS Warm early deletion fee	GB	n. a.	0.013200	0.009240
OBS Cold early deletion fee	GB	n. a.	0.005170	0.003619
OBS Warm Restore Volume	GB	n. a.	0.009900	0.006930
OBS Cold Restore Request Bulk	Piece	n. a.	0.034100	0.023870
OBS Cold Restore Request	Piece	n. a.	0.068200	0.047740
OBS Cold Restore Request Expedited	Piece	n. a.	13.78	9.65
OBS Cold Restore Space Bulk	GB	n. a.	0.003410	0.002387
OBS Cold Restore Space	GB	n. a.	0.013750	0.009625
OBS Cold Restore Space Expedited	GB	n. a.	0.041360	0.028952
OBS Cold Space Buffer	GB	n. a.	0.024200	0.016940
OBS Standard Data Transfer Inbound Int	GB	n. a.	0.000000	0.000000
OBS Warm Data Inbound	GB	n. a.	0.000000	0.000000
OBS Cold Data Inbound	GB	n. a.	0.000000	0.000000
OBS Standard Data Transfer Outbound	GB	0 to 1 2 to 1,000 1,001 to 10,000 10,001 to 50,000 50,001 to 150,000 150,001 to 500,000 500,001 to 1,000,000 1,000,001 to 5,000,000 from 5,000,001	0.000000 0.074489 0.070351 0.066000 0.046200 0.045100 0.042900 0.042350 0.041800	0.000000 0.074489 0.070351 0.066000 0.046200 0.045100 0.042900 0.042350 0.041800
OBS Cross Region Traffic Inbound	GB	n. a.	0.000000	0.000000
OBS Cross Region Traffic Outbound	GB	n. a.	0.022000	0.022000

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6.4.2 Object Storage Service - 1AZ HPC Storage

Name	charging unit	Tier	price EU-DE in Euro	price EU-NL in Euro
OBS High Performance 1AZ Space	GB	0 to 5 6 to 1,000 1,001 to 50,000 50,001 to 500,000 from 500,001	0.000000 0.058433 0.057902 0.057105 0.055777	n.a.
OBS High Performance 1AZ Requests	pc	n. a.	0.011421	n.a.

The "Object Storage Service - 1AZ HPC Storage" is available in limited quantities. Therefore, we cannot guarantee the availability of capacities. If you are interested, please contact our customer support.

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6.4.3 Elastic Volume Service

Name	charging unit	price EU-DE in Euro	price EU-NL in Euro
EVS Common I/O	GB	0.050600	n.a.
EVS High I/O	GB	0.066000	0.059400
EVS GP SSD	GB	0.104000	n.a.
EVS Ultra-High I/O	GB	0.110000	0.099000
EVS Extreme SSD	GB	0.308000	0.277200

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6.4.4 Scalable File Service

Name	charging unit	price EU-DE in Euro	price EU-NL in Euro
SFS Common I/O	GB	0.143000	n.a.
SFS Turbo Standard	GB	0.171600	0.154440
SFS Turbo Performance	GB	0.205920	0.185328
SFS Turbo 20 MB/s/TiB	GB	0.118900	n.a.
SFS Turbo 40 MB/s/TiB		0.141400	n.a.
SFS Turbo 125 MB/s/TiB		0.202600	n.a.
SFS Turbo 250 MB/s/TiB		0.262800	n.a.

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6.4.5 Storage Disaster Recovery Service

Name	charging unit	price EU-DE in Euro	price EU-NL in Euro
Replicated Storage Ultra-High I/O	GB	0.121000	0.108900
Replicated Storage High I/O	GB	0.072600	0.065340
Replicated Storage Common I/O	GB	0.055660	0.050094
Replicated Storage Ultra-High I/O shared	GB	0.145200	0.130680
Replicated Storage High I/O shared	GB	0.087120	0.078408
Replicated Storage Common I/O shared	GB	0.066792	0.060113

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6.4.6 Backup Services

Name	charging unit	price EU-DE in Euro	price EU-NL in Euro
CBR SFS Backup	GB	0.049500	0.044550
CBR Server Backup	GB	0.049500	0.044550
CBR Volume Backup	GB	0.049500	0.044550
Volume Backup Service	GB	0.049500	n.a.
Cloud Server Backup Service	GB	0.049500	n.a.

The cross-region replication function of the Cloud Backup and Recovery Service, which enables backups to be replicated to another region, is billed via the "OBS Cross Region Traffic Outbound" billing element. Please take a look at the OBS price list [6.4.1](#).

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6.5 Network

6.5.1 Virtual Private Cloud/Elastic IP/Elastic Load Balancer

Name	charging unit	Tier	price EU-DE in Euro	price EU-NL in Euro
Virtual Private Cloud Classic VPN	h	n. a.	0.041800	0.041800
Internet Traffic Inbound	GB	n. a.	0.000000	0.000000
Internet Traffic Outbound	GB	0 to 1	0.000000	0.000000
		2 to 1,000	0.074489	0.074489
		1,001 to 10,000	0.070351	0.070351
		10,001 to 50,000	0.066000	0.066000
		50,001 to 150,000	0.046200	0.046200
		150,001 to 500,000	0.045100	0.045100
		500,001 to 1,000,000	0.042900	0.042900
		1,000,001 to 5,000,000 from 5,000,001	0.042350 0.041800	0.042350 0.041800
Elastic IP	h	n. a.	0.004400	0.004400
Elastic IP for Mail	h	n. a.	0.030074	0.030074
Shared Elastic Loadbalancer	h	n. a.	0.043010	n.a.

Name	charging unit	Tier	price EU-DE in Euro	price EU-NL in Euro
Ded. Loadbalancer 1AZ 10 LCU	h	n. a.	0.045408	0.045408
Ded. Loadbalancer 1AZ 20 LCU			0.071808	0.071808
Ded. Loadbalancer 1AZ 40 LCU			0.124608	0.124608
Ded. Loadbalancer 1AZ 80 LCU			0.230208	0.230208
Ded. Loadbalancer 1AZ 100 LCU			0.230208	0.230208
Ded. Loadbalancer 1AZ 200 LCU			0.547008	0.547008
Ded. Loadbalancer 1AZ 400 LCU			1.08	1.08
Ded. Loadbalancer 1AZ 1000 LCU			n.a.	2.70
Ded. Loadbalancer 1AZ 2000 LCU			n.a.	5.40
Ded. Loadbalancer 1AZ 4000 LCU			n.a.	10.80
Ded. Loadbalancer 2AZ 10 LCU	h	n. a.	0.090816	0.090816
Ded. Loadbalancer 2AZ 20 LCU			0.143616	0.143616
Ded. Loadbalancer 2AZ 40 LCU			0.249216	0.249216
Ded. Loadbalancer 2AZ 80 LCU			0.460416	0.460416
Ded. Loadbalancer 2AZ 100 LCU			0.460416	0.460416
Ded. Loadbalancer 2AZ 200 LCU			1.09	1.09
Ded. Loadbalancer 2AZ 400 LCU			2.15	2.15
Ded. Loadbalancer 2AZ 1000 LCU			n.a.	5.38
Ded. Loadbalancer 2AZ 2000 LCU			n.a.	10.75
Ded. Loadbalancer 2AZ 4000 LCU			n.a.	21.50
Ded. Loadbalancer 3AZ 10 LCU	h	n. a.	0.136224	0.136224
Ded. Loadbalancer 3AZ 20 LCU			0.215424	0.215424
Ded. Loadbalancer 3AZ 40 LCU			0.373824	0.373824
Ded. Loadbalancer 3AZ 80 LCU			0.690624	0.690624
Ded. Loadbalancer 3AZ 100 LCU			0.690624	0.690624
Ded. Loadbalancer 3AZ 200 LCU			1.64	1.64
Ded. Loadbalancer 3AZ 400 LCU			3.23	3.23
Ded. Loadbalancer 3AZ 1000 LCU			n.a.	8.08
Ded. Loadbalancer 3AZ 2000 LCU			n.a.	16.15
Ded. Loadbalancer 3AZ 4000 LCU			n.a.	32.30

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6.5.2 Domain Name Service

Name	charging unit	Tier	price EU-DE in Euro	price EU-NL in Euro
DNS Hosted Zone public	h	n. a.	0.000550	0.000550
DNS Queries public per Million	Piece	0 to 1,000 1,001 to 2,000 from 2,001	0.336600 0.253000 0.168300	0.336600 0.253000 0.168300

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6.5.3 Direct Connect

Name	charging unit	price EU-DE in Euro	price EU-NL in Euro
Direct Connect Setup EU-DE	Piece	274.00	n.a.
Direct Connect Setup EU-NL	Piece	n.a.	1,000.00
Direct Connect Port 1 GE	h	0.034357	1.65
Direct Connect Port 10 GE	h	0.062370	6.89
Direct Connect Port 100 GE	h	0.261954	28.90
Direct Connect Bandwidth 50 Mbit	h	0.017292	n.a.
Direct Connect Bandwidth 10 Mbit	h	0.005764	n.a.
Direct Connect Bandwidth 100 Mbit		0.024057	n.a.
Direct Connect Bandwidth 150 Mbit		0.036086	n.a.
Direct Connect Bandwidth 200 Mbit		0.033132	n.a.
Direct Connect Bandwidth 300 Mbit		0.034100	n.a.
Direct Connect Bandwidth 400 Mbit		0.034650	n.a.
Direct Connect Bandwidth 500 Mbit		0.035063	n.a.
Direct Connect Bandwidth 600 Mbit		0.036300	n.a.
Direct Connect Bandwidth 1000 Mbit		0.047432	n.a.
Direct Connect Bandwidth 5000 Mbit		0.051172	n.a.
Direct Connect Bandwidth 10 Gbit	0.080286	n.a.	

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6.5.4 Private Link Access Service

6.5.4.1 EthernetConnect Redundant/IntraSelect (VPN)

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
PLAS Ethernet Red. Bandwidth 100 Gbit	n.a.	n.a.
PLAS Ethernet Red. Bandwidth 100 Mbit	0.350625 from 01.02.2025; n. a.	n.a.
PLAS Ethernet Red. Bandwidth 10 Gbit	6.52 from 01.02.2025; n. a.	n.a.
PLAS Ethernet Red. Bandwidth 10 Mbit	0.164794 from 01.02.2025; n. a.	n.a.
PLAS Ethernet Red. Bandwidth 150 Mbit	0.371663 from 01.02.2025; n. a.	n.a.
PLAS Ethernet Red. Bandwidth 1000 Mbit	0.729300 from 01.02.2025; n. a.	n.a.
PLAS Ethernet Red. Bandwidth 200 Mbit	0.392700 from 01.02.2025; n. a.	n.a.
PLAS Ethernet Red. Bandwidth 20 Gbit	13.04 from 01.02.2025; n. a.	n.a.
PLAS Ethernet Red. Bandwidth 300 Mbit	0.418000 from 01.02.2025; n. a.	n.a.
PLAS Ethernet Red. Bandwidth 400 Mbit	0.453200 from 01.02.2025; n. a.	n.a.
PLAS Ethernet Red. Bandwidth 500 Mbit	0.518925 from 01.02.2025; n. a.	n.a.
PLAS Ethernet Red. Bandwidth 50 Gbit	n.a.	n.a.
PLAS Ethernet Red. Bandwidth 50 Mbit	0.329588 from 01.02.2025; n. a.	n.a.
PLAS Ethernet Red. Bandwidth 5000 Mbit	3.65 from 01.02.2025; n. a.	n.a.
PLAS Ethernet Red. Bandwidth 600 Mbit	0.551100 from 01.02.2025; n. a.	n.a.

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
PLAS VPN Bandwidth 100 Gbit	n.a.	n.a.
PLAS VPN Bandwidth 100 Mbit	0.350625 from 01.02.2025; n. a.	n.a.
PLAS VPN Bandwidth 10 Gbit	6.52 from 01.02.2025; n. a.	n.a.
PLAS VPN Bandwidth 10 Mbit	0.164794 from 01.02.2025; n. a.	n.a.
PLAS VPN Bandwidth 150 Mbit	0.371663 from 01.02.2025; n. a.	n.a.
PLAS VPN Bandwidth 1000 Mbit	0.729300 from 01.02.2025; n. a.	n.a.
PLAS VPN Bandwidth 200 Mbit	0.392700 from 01.02.2025; n. a.	n.a.
PLAS VPN Bandwidth 20 Gbit	13.04 from 01.02.2025; n. a.	n.a.
PLAS VPN Bandwidth 300 Mbit	0.418000 from 01.02.2025; n. a.	n.a.
PLAS VPN Bandwidth 400 Mbit	0.453200 from 01.02.2025; n. a.	n.a.
PLAS VPN Bandwidth 500 Mbit	0.518925 from 01.02.2025; n. a.	n.a.
PLAS VPN Bandwidth 50 Gbit	n.a.	n.a.
PLAS VPN Bandwidth 50 Mbit	0.329588 from 01.02.2025; n. a.	n.a.
PLAS VPN Bandwidth 5000 Mbit	3.65 from 01.02.2025; n. a.	n.a.
PLAS VPN Bandwidth 600 Mbit	0.551100 from 01.02.2025; n. a.	n.a.

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6.5.5 Secure Mailgateway

Name	charging unit	price in Euro
Secure Mail GW	Piece	25.30

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6.5.6 NAT Gateway

6.5.6.1 Public NAT Gateway

The price table includes only the DNAT (dedicated NAT) service.

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
NAT Gateway extra small	0.000000	0.000000
NAT Gateway small	0.137280	0.137280
NAT Gateway medium	0.503360	0.503360
NAT Gateway large	1.88	1.88
NAT Gateway xlarge	9.20	9.20

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6.5.6.2 Private NAT Gateway

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
NAT private small	n. a. from 01.02.2025: 0.116688	n.a.
NAT private medium	n. a. from 01.02.2025: 0.427856	n.a.
NAT private large	n. a. from 01.02.2025: 1.59	n.a.
NAT private xlarge	n. a. from 01.02.2025: 7.82	n.a.

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6.5.7 VPC Endpoint

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
VPC Endpoint	0.011000	0.011000

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6.5.8 Enterprise Router

Name	charging unit	price EU-DE in Euro	price EU-NL in Euro
VPN Traffic	GB	0.018000	0.018000
VPC Traffic	GB	0.018000	0.018000
VGW Traffic	GB	0.018000	0.018000
GDGW Traffic	GB	0.018000	0.018000
CAN Traffic	GB	0.018000	0.018000
VPN attachment	h	0.050000	0.050000
VPC attachment	h	0.050000	0.050000
VGW attachment	h	0.050000	0.050000
Peer attachment	h	0.050000	0.050000
GDGW attachment	h	0.050000	0.050000
Connection attachment	h	0.050000	0.050000
CAN attachment	h	0.050000	0.050000

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6.5.9 Enterprise VPN

Name	charging unit	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
Enterprise VPN Basic	h	0.100000	0.100000
Enterprise VPN Professional 1	h	0.200000	0.200000
Enterprise VPN Professional 2	h	0.300000	0.300000

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6.6 Management & Deployment

6.6.1 Cloud Eye

This service is free of charge. Back to [3.5.1](#)

6.6.2 Cloud Trace Service

This service is free of charge. Back to [3.5.2](#)

6.6.3 Simple Message Notification

Name	charging unit	Tier	price EU-DE in Euro	price EU-NL in Euro
SMN SMS Calls	Piece	0 to 100 from 101	0.000000 0.121737	0.000000 0.109563
SMN Email Calls	Piece	0 to 1,000 from 1,001	0.000000 0.000023	0.000000 0.000021
SMN HTTP Calls	Piece	0 to 100,000 from 100,001	0.000000 0.000001	0.000000 0.000001

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6.6.4 Distributed Message Service – Kafka Premium

Name	charging unit	price EU-DE in Euro	price EU-NL in Euro
DMS instance mini	h	0.415296	0.373766
DMS instance small	h	1.11	0.999000
DMS instance medium	h	2.21	1.99
DMS instance high	h	4.43	3.99
DMS storage high	GB	0.066000	0.059400
DMS storage ultra high	GB	0.110000	0.099000
DMS cores	h	0.028000	0.025200

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6.6.5 OpenStack Projects

This service is free of charge.

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6.6.6 Resource Management Service

This service is free of charge.

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6.6.7 Log Tank Service

The new pricing of LTS offers a free tier for all 3 pricing elements, Storage, Traffic and Indexing of 500 MB/month.

Name	charging unit	price EU-DE in Euro	price EU-NL in Euro
LTS Log Storage Data Ingested	GB	0.110000	0.099000
LTS Log read write Traffic	GB	0.081938	0.073744
LTS Log index Traffic	GB	0.081938	0.073744

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6.6.8 Software Repository for Container

This service is free of charge.

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6.6.9 Application Operations Management

Name	charging unit	price EU-DE in Euro	price EU-NL in Euro
AOM Monitored Hosts	h	0.000000	0.000000
AOM Events	Piece	0.110000	0.099000
AOM Custom Monitoring Metrics	h	0.000000	0.000000

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6.6.10 Application Performance Management

APM has two editions: Free and Enterprise. After switching from the Free edition to the Enterprise edition, hourly billing will apply. According to the number of purchased Agent instances, billing is based on actual usage time (hourly level).

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
APM trial Instance per hour	0.000000	n.a.
APM enterprise Instance per hour	0.048000	n.a.

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6.6.11 API Gateway

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
API Gateway Basic	0.130000	n.a.
API Gateway Professional	4.50	n.a.
API Gateway Enterprise	6.75	n.a.
API Gateway Platinum	11.25	n.a.

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6.7 Container

6.7.1 Cloud Container Engine

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
CCE VM Cluster small	0.000000	0.000000
CCE VM Cluster medium	0.133395	0.114720
CCE VM Cluster small (HA)	0.380181	0.326956
CCE VM Cluster medium (HA)	0.400185	0.344159
CCE VM Cluster large (HA)	0.460255	0.395819
CCE VM Cluster xlarge (HA)	0.920510	0.791639

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6.7.2 Cloud Container Instance

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
CPU amount	0.047300	n.a.
RAM amount	0.005170	n.a.

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6.7.3 Application Service Mesh

This service is free of charge.

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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.

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
MRS c3.xlarge.4	0.062700	0.056430
MRS c3.xlarge.2	0.282150	0.253935
MRS c3.2xlarge.2	0.109725	0.098753
MRS c3.2xlarge.4	0.282150	0.253935
MRS c3.4xlarge.2	0.219450	0.197505
MRS c3.4xlarge.4	0.282150	0.253935
MRS c3.8xlarge.4	0.282150	0.253935
MRS c3.15xlarge.4	0.282150	0.253935
MRS d2.xlarge.8	0.180785	0.162707
MRS d2.2xlarge.8	0.282150	0.253935
MRS d2.4xlarge.8	0.282150	0.253935
MRS d2.6xlarge.8	0.282150	0.253935
MRS d2.8xlarge.8	0.282150	0.253935
MRS m3.2xlarge.8	0.282150	0.253935
MRS m3.4xlarge.8	0.282150	0.253935
MRS m3.8xlarge.8	0.282150	0.253935
MRS m3.15xlarge.8	0.282150	0.253935
MRS m4.2xlarge.8	0.282150	0.253935
MRS m4.4xlarge.8	0.282150	0.253935
MRS m4.8xlarge.8	0.282150	0.253935
MRS m4.16xlarge.8	0.282150	0.253935
MRS m3n.8xlarge.8	0.282150	0.253935
MRS c4.xlarge.4	0.062700	0.056430
MRS c4.2xlarge.2	0.109725	0.098753
MRS c4.2xlarge.4	0.282150	0.253935
MRS c4.4xlarge.2	0.219450	0.197505
MRS c4.4xlarge.4	0.282150	0.253935
MRS c4.8xlarge.2	0.282150	0.253935
MRS c4.8xlarge.4	0.282150	0.253935
MRS c4.16xlarge.4	0.282150	0.253935
MRS s3.2xlarge.4	0.282150	0.253935
MRS s3.4xlarge.2	0.282150	0.253935
MRS s3.4xlarge.4	0.282150	0.253935
MRS s2.2xlarge.2	0.282150	0.253935
MRS s2.4xlarge.2	0.282150	0.253935
MRS m7n.2xlarge.8	0.282150	0.253935
MRS m7n.4xlarge.8	0.282150	0.253935
MRS m7n.8xlarge.8	0.282150	0.253935
MRS m7n.16xlarge.8	0.282150	0.253935

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6.8.2 Data Warehouse Service

Name	charging unit	price EU-DE in Euro	price EU-NL in Euro
DWS Node dws.m3.xl	h	0.463478 0.463478	n.a.
DWS Node dws2.m6.4xl	h	1.94	n.a.
DWS Node dws.m6.8xl	h	3.88	n.a.
DWS Node dws.m6.16xl	h	7.75	n.a.
DWS Backup Space	GB	0.024200	n.a.

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6.8.3 Data Ingestion Service

Name	charging unit	price EU-DE in Euro	price EU-NL in Euro
DIS general partition	h	0.017424	n.a.
DIS advanced partition	h	0.087120	n.a.
DIS general requests per mio	Piece	0.016940	n.a.
DIS advanced requests per mio	Piece	0.016940	n.a.
DIS general storage space	GB	0.023232	n.a.
DIS advanced storage space	GB	0.023232	n.a.

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6.8.4 ModelArts

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
MA 2vCPU/8GB RAM	0.149160	n.a.
MA 8vCPU/32GB RAM	0.596640	n.a.
MA 8vCPU/64GB RAM 1*V100 GPU	3.11	n.a.
MA 16vCPU/128GB RAM GPU 2*V100	n.a.	n.a.
MA 32vCPU/256GB RAM 4*V100 GPU	12.45	n.a.
MA 8vCPU/32GB RAM 1*T4 GPU	3.06	n.a.
MA 24vCPU/96GB RAM 1*SNT9 GPU	3.68	n.a.
MA 48vCPU/192GB RAM 2*SNT9 GPU	7.35	n.a.
MA 96vCPU/384GB RAM 4*SNT9 GPU	14.71	n.a.
MA 192vCPU/768GB RAM 8*SNT9 GPU	29.42	n.a.
MA 192vCPU/768GB RAM 8*SNT9 GPU ded	32.36	n.a.

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6.8.5 Data Lake Insight

Name	charging unit	price EU-DE in Euro	price EU-NL in Euro
DLI ondemand flink job per cu	h	0.062563	n.a.
DLI ondemand per cu	h	0.062563	n.a.
DLI storage	GB	0.057200	n.a.
DLI scan	GB	0.005500	n.a.
DLI elastic resource pool	h	0.062563	n.a.

Please keep in mind that 1 Compute Unit(CU) consists of 1 vCPU and 4 GB memory

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6.8.6 DataArts Studio

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
DataArts Studio Starter	0.935000	n.a.
CDM 8U 16GB	1.10	n.a.
CDM 16U 32GB	2.20	n.a.
CDM 64U 128GB	8.80	n.a.

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6.8.7 Optical Character Recognition

Name	charging unit	price EU-DE in Euro	price EU-NL in Euro
Table recognition per 1000	Piece	0.027500 from 01.01.2025: 13.20	n.a.
Text recognition per 1000	Piece	0.060500 from 01.01.2025: 13.20	n.a.

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6.9 Security

6.9.1 Anti-DDoS

This service is free of charge.

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6.9.2 Key Management Service

Name	charging unit	Tier	price EU-DE in Euro	price EU-NL in Euro
KMS Default Masterkey	h	n. a.	0.000000	0.000000
KMS Customer Masterkey	h	n. a.	0.001513	0.001362
KMS API Calls	Piece	0 to 20,000 from 20,001	0.000000 0.000003	0.000000 0.000003

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6.9.3 Web Application Firewall

Name	charging unit	Tier	price EU-DE in Euro	price EU-NL in Euro
WAF Domain	h	0 to 2,000 2,001 to 5,000 from 5,001	0.226050 0.188320 0.150700	0.203445 0.169488 0.135630
WAF Requests per million	Piece	n. a.	0.660000	0.594000

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6.9.4 Web Application Firewall (Cloud Mode)

Name	charging unit	Tier	price EU-DE in Euro	price EU-NL in Euro
Cloud WAF Domain	h	n. a. from 15.01.2025: 0 to 730 from 732	n. a. from 15.01.2025: 0.275000 0.015400	n. a. from 01.03.2025: 0.250250 0.014014
Cloud WAF Rules	h	n. a.	n. a. from 15.01.2025: 0.001540	n. a. from 01.03.2025: 0.001401
Cloud WAF Requests per million	Piece	n. a.	n. a. from 15.01.2025: 0.660000	n. a. from 01.03.2025: 0.600600

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6.9.5 Web Application Firewall (Dedicated)

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
WAF Instance Professional	0.163698 from 01.02.2025: 0.300000	n. a. from 01.03.2025: 0.300000
WAF Instance Enterprise	0.553532 from 01.02.2025: 1.00	n. a. from 01.03.2025: 1.00

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6.9.6 Database Security Service

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
DBSS Basic	1.09	n.a.
DBSS Pro	2.03	n.a.
DBSS Advanced	6.76	n.a.

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6.9.7 Host Security Service (HSS)

Name	EU-DE Open Elastic in Euro/hour	EU-NL Open Elastic in Euro/hour
HSS Enterprise Edition per Asset	0.030000	n.a.
HSS Premium Edition per Asset	0.060000	n.a.
HSS WTP Edition per Asset	0.320000	n.a.
HSS Container Edition per Asset	0.060000	n.a.

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6.9.8 Cloud Firewall

Name	charging unit	price EU-DE in Euro	price EU-NL in Euro
CFW instance	h	0.330000 from 15.01.2025: 1.25	n.a.
CFW analyzed traffic	GB	0.060000	n.a.

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6.10 Optionale Leistungen

6.10.1 Enterprise Dashboard

Name	charging unit	price in Euro
Enterprise Dashboard Medium	Piece	100.00
Enterprise Dashboard Large	Piece	250.00

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6.10.2 Consulting services

Name	price in Euro
Service Request 15 min	44.95

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6.10.3 Cloud Create (former Cloud Topology Designer)

This service is free of charge.

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6.11 Preview- und Beta-Versionen

6.11.1 Management & Deployment

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.

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6.11.3 SFS General Purpose

Name	charging unit	price EU-DE in Euro	price EU-NL in Euro
SFS General Purpose	GB	0.143000	n.a.

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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, Grace Period

The customer tenant can be terminated 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 his termination of a Tenant in text form to the Service Desk by email no later than two days before the termination takes effect. After the cancellation of the Grace Period has been confirmed the customer may restart and use the resources of the Tenant again. 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.

The right of both parties to extraordinary termination remains unaffected. A reason for extraordinary termination exists in particular if Telekom can no longer provide its services as agreed due to a change in the law or an official or judicial decision.

7.3 Suspending of Services

If Telekom is entitled to block the customer's tenant, it deactivates the using possibility of the resources assigned to the tenant. Login is still possible. Telekom informs the customer about the blocking or unblocking of his tenant via the email he has provided.

7.4 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.

List of abbreviations/glossary

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
Expected to be available from	Expected to be available from describes the date from which a service is expected to be available. The exact availability will be announced via release notes.
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 Operationen pro Sekunde
IP	Internet Protocol

Term	Description
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
Release Notes	These are the changes/innovations on the Open Telekom Cloud that can be viewed at https://www.open-telekom-cloud.com/de/support/release-notes
Ressourcen	Resources refer to all services created by the customer via the Open Telekom Cloud Console or API. E.g. all Elastic Cloud servers, OBS buckets, network services or databases.
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
Tag	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

Term	Description
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