



# FIRST STEPS WITH THE OPEN TELEKOM CLOUD

How to get off to a successful start

**T** · · Systems ·

# FIRST STEPS WITH THE OPEN TELEKOM CLOUD

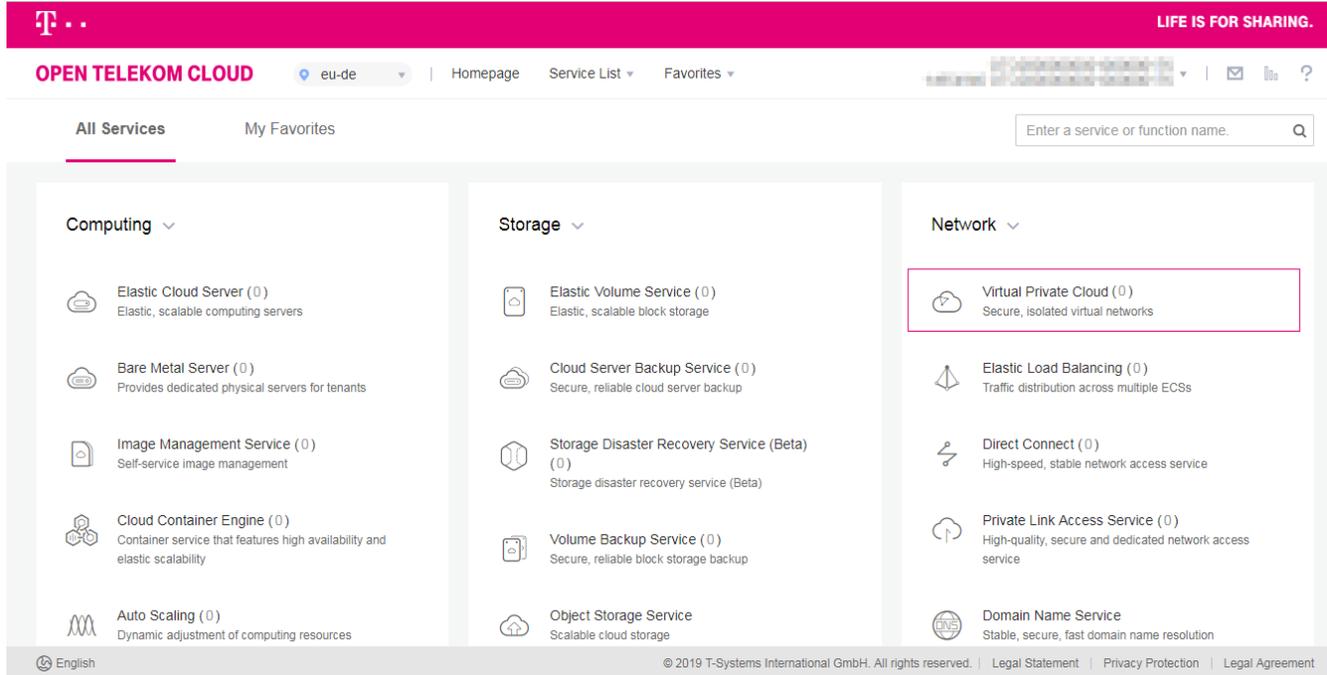
## THE CONSOLE / VIRTUAL PRIVATE CLOUD

The screenshot displays the Open Telekom Cloud console interface. At the top, there is a dark blue header with the Telekom logo and the slogan "LIFE IS FOR SHARING.". Below the header, the navigation bar includes "OPEN TELEKOM CLOUD", a region selector set to "eu-de", and buttons for "Homepage", "Service List" (highlighted with a red box), and "Favorites". A search bar is present on the right side of the navigation bar. The main content area is divided into three columns: "Computing", "Storage", and "Network". Each column lists various services with their respective icons and descriptions. The "Computing" column includes Elastic Cloud Server, Bare Metal Server, Image Management Service, Cloud Container Engine, and Auto Scaling. The "Storage" column includes Elastic Volume Service, Cloud Server Backup Service, Storage Disaster Recovery Service (Beta), Volume Backup Service, and Object Storage Service. The "Network" column includes Virtual Private Cloud, Elastic Load Balancing, Direct Connect, Private Link Access Service, and Domain Name Service. At the bottom of the console, there is a footer with the language "English" and copyright information for T-Systems International GmbH.

All available services are listed on the console. You can call up the services either by clicking on the corresponding term on the user interface or via the **Service List** next to the “Homepage” button in the header. In this screen you can also see the selected region on the left and, on the right, your **User Name**, a **Message Log**, the preset **Service Quotas** (for limiting costs) and the **Help Center**, in which you can find further information.

# FIRST STEPS WITH THE OPEN TELEKOM CLOUD

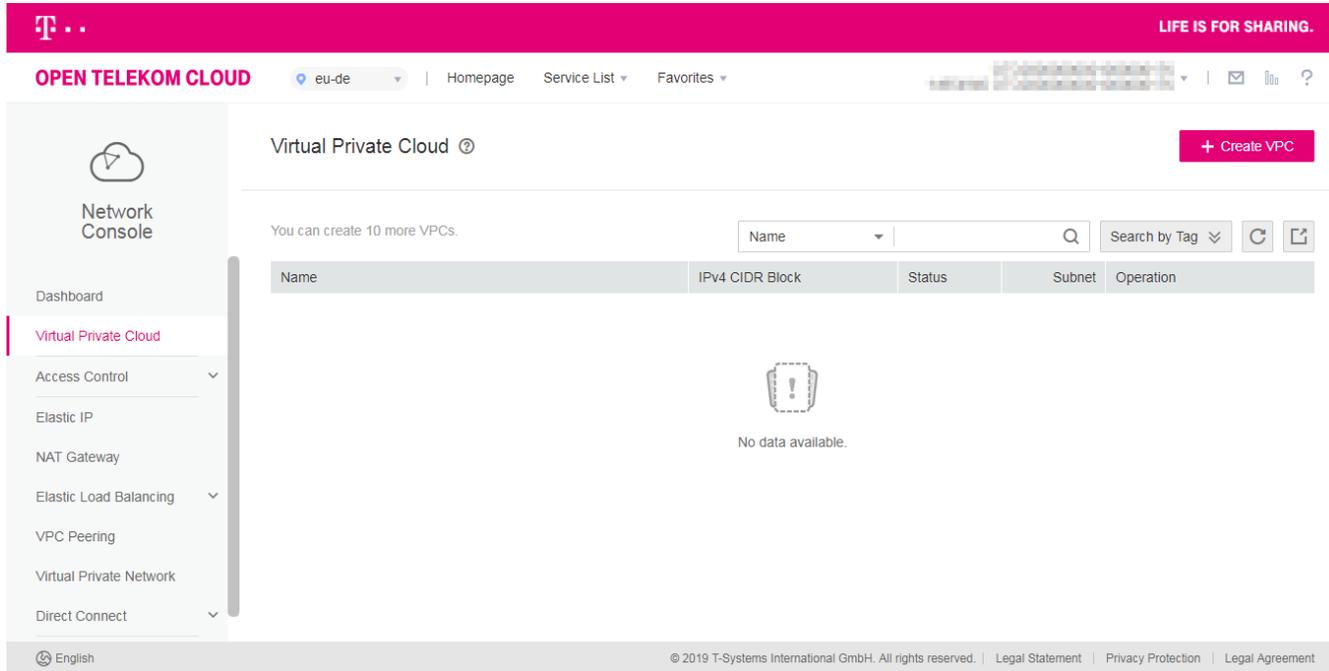
## THE CONSOLE / VIRTUAL PRIVATE CLOUD



First, you should set up your own virtual private cloud (VPC). This is the basis for all other work in the Open Telekom Cloud. By setting up your own VPC, you reserve an IP address range in the cloud that belongs only to you. This is a basic security measure for preventing unauthorized access to your resources and services from the beginning. Click on **“Virtual Private Cloud”** under **“Network.”**

# FIRST STEPS WITH THE OPEN TELEKOM CLOUD

## SETTING UP A VIRTUAL PRIVATE CLOUD



The screenshot shows the Open Telekom Cloud Network Console interface. At the top, there is a header with the Telekom logo and the slogan "LIFE IS FOR SHARING.". Below the header, the page title is "Virtual Private Cloud" with a "Create VPC" button. The main content area displays a message "You can create 10 more VPCs." and a search bar. Below the search bar is a table with columns for Name, IPv4 CIDR Block, Status, Subnet, and Operation. The table is currently empty, showing "No data available." with a warning icon. The left sidebar contains a navigation menu with options like Dashboard, Virtual Private Cloud, Access Control, Elastic IP, NAT Gateway, Elastic Load Balancing, VPC Peering, Virtual Private Network, and Direct Connect. The footer contains copyright information and links to Legal Statement, Privacy Protection, and Legal Agreement.

You will now be taken to the VPC service within the Network Console. All existing VPCs are listed and can be configured here.

To create a new VPC, click on “Create VPC.”

# FIRST STEPS WITH THE OPEN TELEKOM CLOUD

## SETTING UP A VIRTUAL PRIVATE CLOUD

The screenshot shows the 'Create VPC' form in the Open Telekom Cloud interface. The form is titled 'Create VPC' and includes a 'Back to VPC List' link. The 'Basic Information' section contains the following fields:

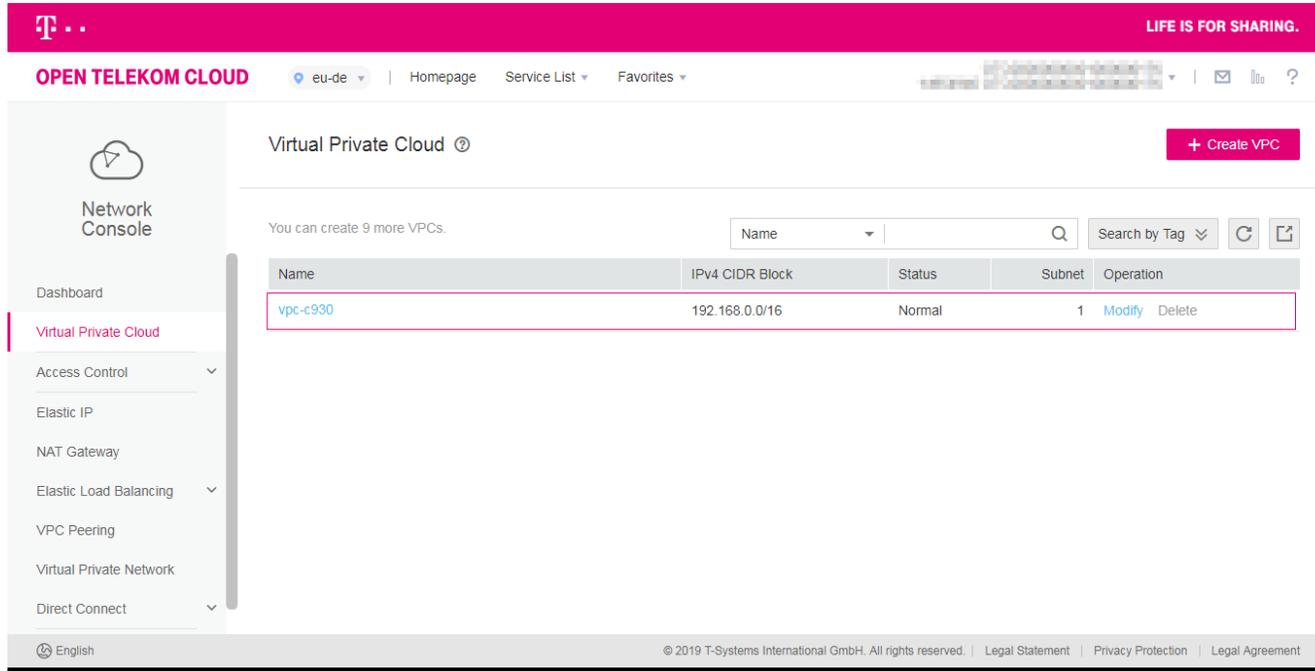
- Region:** A dropdown menu set to 'eu-de'. Below it, a note states: 'Regions are geographic areas isolated from each other. Resources are region-specific and cannot be used across regions through internal network connections. For low network latency and quick resource access, select the nearest region.'
- Name:** A text input field containing 'vpc-c930'.
- CIDR Block:** A form with four input boxes for the IP address (192, 168, 0, 0) and a dropdown for the prefix length (16). Below this, a note says: 'Recommended CIDR Block: 10.0.0.0/8-24, 172.16.0.0/12-24, and 192.168.0.0/16-24'.
- Tag:** A section with a note: 'It is recommended that you use TMS's predefined tag function to add the same tag to different cloud resources. [View predefined tags](#)'. It includes a 'Tag key' input field and a 'Tag value' input field. Below this, it says: 'You can add 10 more tags.'

At the bottom right of the form is a red 'Create Now' button. The footer of the page includes 'English', '© 2019 T-Systems International GmbH. All rights reserved.', and links for 'Legal Statement', 'Privacy Protection', and 'Legal Agreement'.

On the next page, give your VPC a name and define the necessary parameters, such as the CIDR block and default subnet. Click on “Create Now” to issue the order to set up the virtual private cloud. You will then be automatically taken to the VPC overview you accessed the page from.

# FIRST STEPS WITH THE OPEN TELEKOM CLOUD

## IP ADDRESSES AND SUBNETS



The screenshot shows the Open Telekom Cloud Network Console interface. The top navigation bar includes the logo, 'OPEN TELEKOM CLOUD', region 'eu-de', and links for 'Homepage', 'Service List', and 'Favorites'. The main content area is titled 'Virtual Private Cloud' and features a '+ Create VPC' button. Below this, a message states 'You can create 9 more VPCs.' A search bar and 'Search by Tag' dropdown are present. A table lists the VPCs:

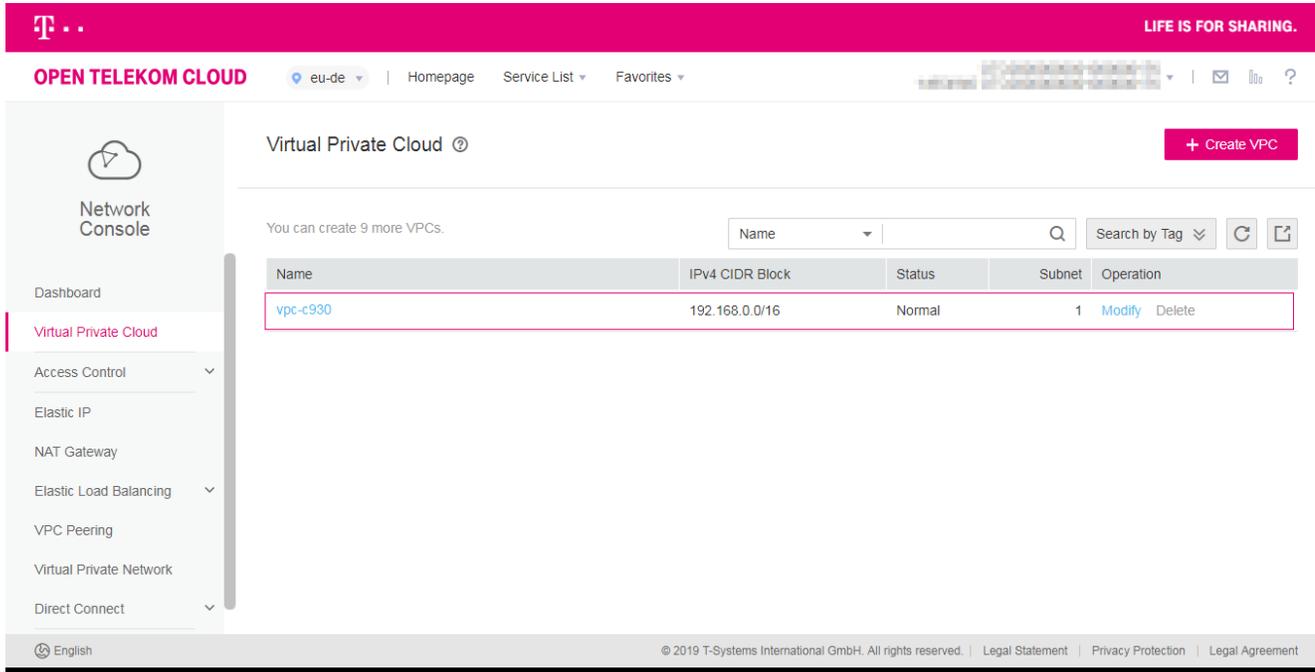
Name	IPv4 CIDR Block	Status	Subnet	Operation
vpc-c930	192.168.0.0/16	Normal	1	<a href="#">Modify</a> <a href="#">Delete</a>

The footer contains 'English', copyright information '© 2019 T-Systems International GmbH. All rights reserved.', and links for 'Legal Statement', 'Privacy Protection', and 'Legal Agreement'.

Your virtual private cloud is made available immediately. It is now included in the service's resource list. You can see a detailed view of the VPC by clicking on its name.

# FIRST STEPS WITH THE OPEN TELEKOM CLOUD

## IP ADDRESSES AND SUBNETS



The screenshot shows the Open Telekom Cloud Network Console interface. The top navigation bar includes the logo, "OPEN TELEKOM CLOUD", the region "eu-de", and links for "Homepage", "Service List", and "Favorites". The main content area is titled "Virtual Private Cloud" and features a "+ Create VPC" button. Below this, a message states "You can create 9 more VPCs." A search bar and "Search by Tag" dropdown are present. A table lists the VPCs:

Name	IPv4 CIDR Block	Status	Subnet	Operation
vpc-c930	192.168.0.0/16	Normal	1	<a href="#">Modify</a> <a href="#">Delete</a>

The footer contains the language "English", the copyright "© 2019 T-Systems International GmbH. All rights reserved.", and links for "Legal Statement", "Privacy Protection", and "Legal Agreement".

Your virtual private cloud is made available immediately. It is now included in the service's resource list. You can see a detailed view of the VPC by clicking on its name.

As long as a VPC has at least one subnet (which is set up at the start by default), it cannot be deleted – even by accident.

# FIRST STEPS WITH THE OPEN TELEKOM CLOUD

## IP ADDRESSES AND SUBNETS

Virtual Private Cloud > **vpc-c930**

Name **vpc-c930** Status **Normal**

ID **d179eb99-93c4-4417-b5db-08b210036741** CIDR Block **192.168.0.0/16**

Subnets **1** Shared SNAT

**Subnets** Route Tables Topology Tags

Create Subnet You can create 99 more subnets. Name Search by Tag

Name	Status	CIDR Block	Gateway	DNS Server Address	Firewall	Operation
<a href="#">subnet-cad4</a>	Normal	192.168.0.0/24	192.168.0.1	100.125.4.25, 8.8.8.8	--	<a href="#">Modify</a> <a href="#">Delete</a>

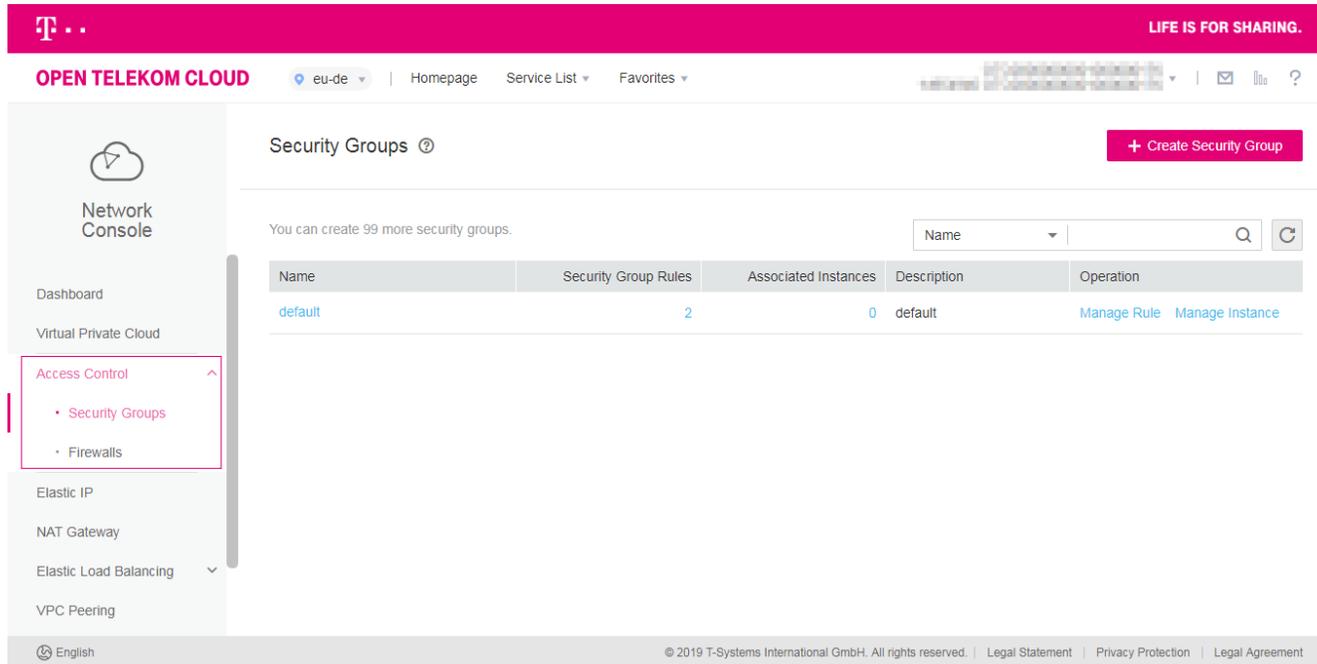
© 2019 T-Systems International GmbH. All rights reserved. | [Legal Statement](#) | [Privacy Protection](#) | [Legal Agreement](#)

The detailed view of the VPC contains all the important information. For instance, you can add further subnets or configure the routing.

To start with, you can use the default subnet that was configured when the VPC was created.

# FIRST STEPS WITH THE OPEN TELEKOM CLOUD

## SECURITY IN THE VIRTUAL PRIVATE CLOUD



The screenshot displays the Open Telekom Cloud Network Console interface. The top navigation bar includes the logo, the text "OPEN TELEKOM CLOUD", the region "eu-de", and links for "Homepage", "Service List", and "Favorites". The main header area shows "Security Groups" with a "+ Create Security Group" button. Below this, a message states "You can create 99 more security groups." and a search bar is present. A table lists the security groups:

Name	Security Group Rules	Associated Instances	Description	Operation
default	2	0	default	<a href="#">Manage Rule</a> <a href="#">Manage Instance</a>

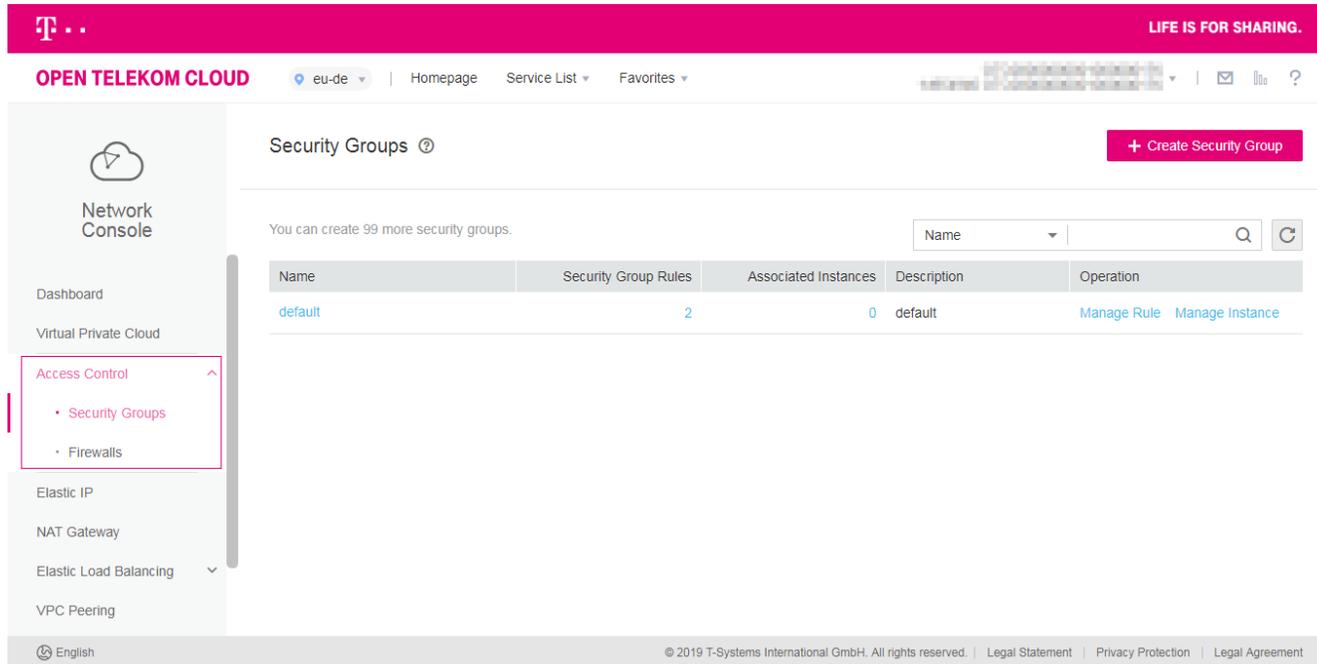
The left-hand navigation menu is visible, with "Access Control" highlighted in a red box, containing sub-items "Security Groups" and "Firewalls". Other menu items include "Dashboard", "Virtual Private Cloud", "Elastic IP", "NAT Gateway", "Elastic Load Balancing", and "VPC Peering". The footer contains copyright information: "© 2019 T-Systems International GmbH. All rights reserved." and links for "Legal Statement", "Privacy Protection", and "Legal Agreement".

It is important to give your VPCs security rules so that your cloud is safe and can only be accessed by people who have permission to do so.

The “Access Control” menu item in the left-hand column provides options for this. Click on this menu item.

# FIRST STEPS WITH THE OPEN TELEKOM CLOUD

## SECURITY IN THE VIRTUAL PRIVATE CLOUD



The screenshot shows the Open Telekom Cloud Network Console interface. The top navigation bar includes the logo, the text "OPEN TELEKOM CLOUD", the region "eu-de", and links for "Homepage", "Service List", and "Favorites". A red banner at the top right says "LIFE IS FOR SHARING.". The left sidebar contains a "Network Console" menu with options: "Dashboard", "Virtual Private Cloud", "Access Control" (highlighted with a red box and containing "Security Groups" and "Firewalls"), "Elastic IP", "NAT Gateway", "Elastic Load Balancing", and "VPC Peering". The main content area is titled "Security Groups" and features a "+ Create Security Group" button. Below the title, it states "You can create 99 more security groups." and includes a search bar. A table lists the security groups:

Name	Security Group Rules	Associated Instances	Description	Operation
default	2	0	default	<a href="#">Manage Rule</a> <a href="#">Manage Instance</a>

The footer contains the text "© 2019 T-Systems International GmbH. All rights reserved." and links for "Legal Statement", "Privacy Protection", and "Legal Agreement".

Here you can set up new security groups or configure existing ones. There is a default group, which is listed in the service's resource list. Click on the corresponding rule and define which protocols and IP addresses should have access to your resources via which ports. You have now secured your VPC.

# FIRST STEPS WITH THE OPEN TELEKOM CLOUD

## ADDING MORE SERVICES

The screenshot displays the Open Telekom Cloud console interface. At the top, there is a navigation bar with the logo, the text "OPEN TELEKOM CLOUD", a region selector set to "eu-de", and buttons for "Homepage", "Service List", and "Favorites". A search bar is located on the right side of the navigation bar. Below the navigation bar, the main content area is divided into three columns representing different service categories: "Computing", "Storage", and "Network". Each category contains a list of services with their respective icons and descriptions. In the "Computing" column, "Elastic Cloud Server (0)" is highlighted with a red box. In the "Storage" column, "Elastic Volume Service (0)" is highlighted with a red box. In the "Network" column, "Virtual Private Cloud (1)" is highlighted with a red box. The footer of the console includes the language selector "English" and copyright information: "© 2019 T-Systems International GmbH. All rights reserved. | Legal Statement | Privacy Protection | Legal Agreement".

You can now add resources such as virtual machines and storage to your VPC. Clicking on the “Homepage” button or the Open Telekom Cloud logo takes you back to the console, where you can see an overview of all resources. You can now also see that you have created a VPC.

Now, for example, you can select “Elastic Cloud Server” in the “Computing” section, roll out your first virtual machine and assign it to a VPC. We wish you every success.

# DO YOU HAVE ANY QUESTIONS?

WE ARE HAPPY TO PROVIDE PERSONAL ASSISTANCE



Take advantage of our consulting services!  
**Our experts will be happy to help you.**

We will answer any questions you have regarding testing, booking and usage – free and tailored to your needs. **Try it out today!**

**Hotline:** 24 hours a day, seven days a week

**0800 33 04477**  
from Germany

**+800 33 04 47 70**  
from abroad

**24/7**  
SUPPORT