

# Reserved Instances



**Business**



## All to know about Reserved Instances

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## All to know about Reserved Instances

### 1. Presentation of Reserved Instances

A Reserved Instance is a **subscription** for which a customer has committed to use a resource with certain characteristics (e.g. flavor) over a certain period of time (from 1 to 5 years). It is possible to order Reserved Instances on several Flexible Engine cloud services such as: ECS, Workspace, BMS, CSS...

This billing method **offers a larger discount** than Pay as You Go and **is recommended for long-term users**. The longer the duration of your subscription, the bigger the discount compared to Pay As You Go.

This reservation applies to a type of instance (flavor) and is not linked to a specific instance. It is for example possible to delete and recreate an instance, change its operating system (OS).

Activation of the reserved pending billing mode begins on the first day of the following month or immediately. If you choose to activate your subscription immediately, you will be billed for the entire month.

***Ex 1:** You order a reserved instance t2.micro on November 6, 2019. The reserved instance billing mode will begin on December 1, 2019 and you will receive your first invoice on January 1, 2020.*

***Ex 2:** You order a reserved instance on November 6, 2019 with immediate start. You will then be billed for the entire month (starting from November 1st).*

If you sign up for a t2.micro instance in Pay As You Go and a t2.micro instance in Reserved Instance, we will consider the t2.micro instance with the highest usage in the reserved instance billing. This allows you to benefit from the discount linked to the reserved instance billing on the instance with the highest usage.

You can choose between a **subscription with no initial cost** (without upfront) or **with an initial cost** (with upfront):

**Without upfront:** you can choose a reserved instance with no upfront cost for a one-year commitment only. You will be charged the same monthly price each month during the whole commitment period.

**With upfront:** you can choose a reserved instance with an initial cost for any commitment period (1, 2 or 3 years). If this is the case the first billing will include an initial cost equivalent to the upfront and the monthly cost of the ECS. The upfront is usually 50% of the total cost of the reserved instance (over the entire commitment period), which allows the monthly cost of the instance to be reduced over the year.

# All to know about Reserved Instances

## 2. How to subscribe to Reserved Instances?

- a) Log in to your technical console to check if the service you want to reserved is available

In order to access to your technical console, log into your customer space and click on « access to console »

Flexible Engine 16f Contract OCB00 Active

**Contract details**

Support: Basic      Creation date: 3/30/17  
Company name:      Contract referent: ?  
Domain owner: ?

Consult contract information

**Infrastructure details**

Platform ID: 237      Budget: Updated on 9/16/21      Budget: Updated on 9/16/21

**Access to consoles**      73%      26%

Consumed: €1,455.38 excl      Consumed: \$255.49 excl  
Allocated: €2,000.00 excl      Allocated: \$1,000.00 excl

Technical Consoles

Console Technique >      File & Application >

Close

Elastic Cloud Server You can create 90 more ECSs. The ECSs can use up to 786 vCPUs and 1,077.7 GB of memory. Quota details Create ECS

Start Stop Restart Delete

All statuses Name Search by Tag C C

Name/ID	AZ	Status	Specifications/Image	IP Address	Tag	Operation
ecs-gal... fb...	eu-west-0c	Running	1 vCPUs   1 GB   s3.sm... OBS Ubuntu 18.04	90.84... 172.16.0.205 (P...	--	Remote Login   More
ecs-7d6e... b601	eu-west-0b	Running	1 vCPUs   1 GB   s3.sm... OBS CentOS 7.6	192.1... (P...	--	Remote Login   More
ecs-b... 57bf...	eu-west-0a	Stopped	2 vCPUs   16 GB   m2.la... OBS CentOS 6.8	192.1... (Pri...	TYPE_AP...	Remote Login   More
ecsp... a8fb...	eu-west-0b	Stopped	1 vCPUs   1 GB   s3.sm... ecspimage	90... 192... (P...	--	Remote Login   More
testp... aba8t...	eu-west-0a	Running	2 vCPUs   8 GB   s1.large... cce-node-1.11.3-2019...	192... 192...	PREDEFL...	Remote Login   More
plsc... 8a15...	eu-west-0b	Running	1 vCPUs   1 GB   t2.micro... plscense	90... 10.2...	REMOVE...	Remote Login   More



## All to know about Reserved Instances

### Two possible scenarios:

- **You already use the instance** (with the same features) running in Pay as You Go mode: you can directly switch to step **b)** and reserved your instance in your customer cloud store space
- **You do not use the instance:** You need to make sure you have launched / created the resource in your Technical Console before making a Reserved Instance request on the Cloud Store.

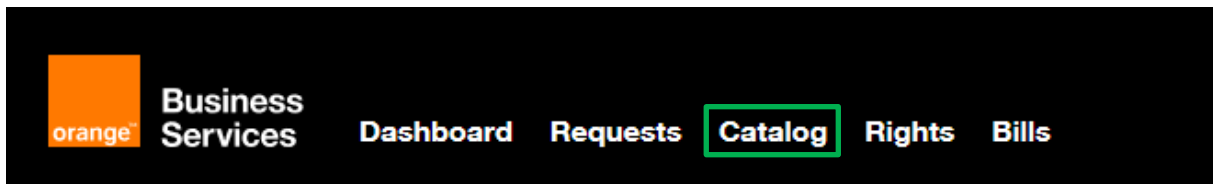
For example for an ECS, click on “create ECS” and follow the different steps to configure the instance. At the end click on “confirm”.



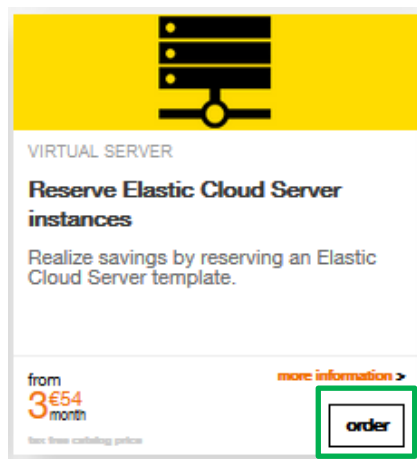
You need to make sure that you follow this step and that you have put in place a one to one reservation policy: **One item in the Technical Console must equal one reserved instance/service in the Cloud Store.**

Once the service is activated, you can go on your customer space to reserve your instance.

- b) From your customer space, click on the "catalog" tab to access the services available for reservation



- c) Find the service you wish to reserve and click on the "order" button on the instance reservation tile





## All to know about Reserved Instances

- d) Specify the contract, the region and the flavor. These fields are required to progress through your order process

You can order several reserved instances at the same time. These reserved instances can be of different sizes, on different regions and for different contracts.

### Reserve Elastic Cloud Server instances

Subscription features
Summary

1. Please select the Region and resource flavor you wish to subscribe to. Warning : subscribing to a Reserved Instance is a pricing option and does not guarantee resource availability. If your target flavor is not already in use, it is recommended to check the availability on the technical console.

2. Please select the subscription type (with or without initial payment) and the duration on which you wish to make your booking

[Need help ?](#)

Contract : OCB000 
Region : 
Flavor :

- e) Select the desired subscription or subscriptions from the list of available subscriptions displayed

### Reserve Elastic Cloud Server instances

Subscription features
Summary

1. Please select the Region and resource flavor you wish to subscribe to. Warning : subscribing to a Reserved Instance is a pricing option and does not guarantee resource availability. If your target flavor is not already in use, it is recommended to check the availability on the technical console.

2. Please select the subscription type (with or without initial payment) and the duration on which you wish to make your booking

[Need help ?](#)

Contract : OCB000 
Region : France (eu-west-0) 
Flavor : s3.large.2

Name	Duration	Upfront (1)	Recurring charge (1)	Average cost (1)(2)	Quantity
Reservation s3.large.2 1 year with upfront	12 Month	€899.72	€74.96	€149.92	4 <input type="text"/>
Reservation s3.large.2 1 year without upfront	12 Month	-	€39.22	€39.22	<input type="text"/>
Reservation s3.large.2 2 years with upfront	24 Month	€380.65	€15.86	€31.72	<input type="text"/>
Reservation s3.large.2 2 years without upfront	24 Month	-	€33.45	€33.45	<input type="text"/>
Reservation s3.large.2 3 years with upfront	36 Month	€467.16	€12.98	€25.96	<input type="text"/>

1 - 5 on 7 subscription

**Summary of your order**

Contract	Name	Region	Duration	Upfront (1)	Recurring charge (1)	Average cost (1)(2)	Quantity
OCB000	Reservation s3.large.2 1 year with upfront	France (eu-west-0)	12 Month	€899.72	€74.96	€149.92	4 <input type="text"/>

1 - 1 on 1 subscription

**Total upfront : €899.72**      **Total recurring charge : €74.96/month**

Whether you use your resources or not, the price per month remains the same until the end of the commitment.

## All to know about Reserved Instances

- f) Select the desired start date and finalize your order by clicking on the "Validate" button from the Summary step

### Reserve Elastic Cloud Server instances

Subscription features
Summary

Need help ?

#### Summary of your order

Contract	Name ^v	Region ^v	Duration ^v	Upfront (1)	Recurring charge (1)	Average cost (1)(2)	Quantity
OCB0	Reservation s3.large.2 1 year with upfront	France (eu-west-0)	12 Month	€899.72	€74.96	€149.92	4

1 - 1 on 1 subscription
<
1
>

**Total upfront : €899.72**      **Total recurring charge : €74.96 /month**

- (1) The prices displayed correspond to the total number of resources reserved.  
 (2) Monthly price including the amount of the initial payment as well as the monthly installments to be paid in relation to the number of months of the subscription.

#### Characteristics of new subscriptions

<b>Desired start date *</b>	1st of current month
	<b>Warning :</b> By choosing the 1st of the current month, the whole month will be invoiced in reserved mode.
Subscription start date	5/1/23

Previous
Validate

**Order transmitted**
✕

**Thank you! Your order has been taken into account. You can find information relative to your order from your customer space by clicking on My account > My Orders, once they are completed.**

Ok

A confirmation message for your order will be displayed.

An order confirmation email is sent to you.

Business Services
Flexible Engine  
Mr. John Smith

### Confirmation of your order

## Your order FE is confirmed!

Hello Mr. John Smith,

Thank you for ordering the subscription **Reserve flexible Elastic Cloud Server instances** (1 x Reservation 1 year with upfront) on your contract **Flexible Engine OCB00**

Your subscription starts on **1/1/20** for a period of **12 months**.

You can track your subscription information by clicking on **My account > My subscriptions**, in your [Cloud Customer Space](#).

The upfront payment excluding tax is € , the price excluding tax of this subscription is € per month.

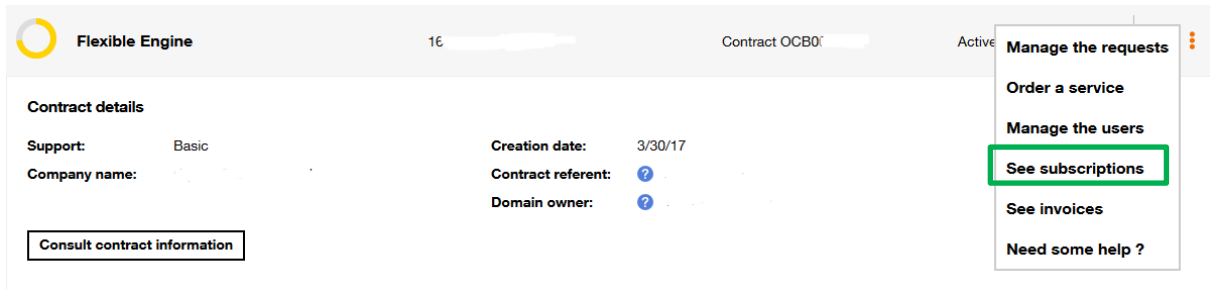
We thank you for your trust.  
The Orange Team

## All to know about Reserved Instances

### 3. How to cancel a Reserved Instance?

If you wish to terminate your Reserved Instance subscription before the end of it, you must **go to your cloud store customer space**:

- a) Click on the "... " corresponding to your contract and then on "see subscriptions"



The screenshot shows the 'Flexible Engine' interface. At the top, there's a header with 'Flexible Engine', a contract ID '16...', and 'Contract OCB0...'. Below this, there's a 'Contract details' section with fields for 'Support: Basic', 'Company name:', 'Creation date: 3/30/17', 'Contract referent:', and 'Domain owner:'. A button 'Consult contract information' is visible. On the right, a dropdown menu is open, listing options: 'Manage the requests', 'Order a service', 'Manage the users', 'See subscriptions' (highlighted with a green box), 'See invoices', and 'Need some help?'.

You will find in this page **the list of your Reserved Instances and Flexible Reserved Instances**.

- b) Choose the subscription you wish to cancel by clicking on the 3 dots and click on "cancel"

3/4/21 3:17 PM	FE3	Reservation flexible c...	2	248.18 € / month	4/1/21	1/31/24	subscribed	⌵	⋮
2/18/21 5:38 PM	FE3	Reservation ess.spec...	3	145.38 € / month	3/1/21	2/29/24	on going	⌵	⋮
2/18/21 5:37 PM	FE3	Reservation flexible t...	3	11.28 \$ / month	3/1/21	2/28/22	on going	⌵	⋮
2/18/21 5:37 PM	FE3	Reservation s3.small...	3	18.81 € / month	3/1/21	2/28/22	on going	⌵	⋮

The table shows a list of subscriptions. The 'Cancel' button in the dropdown menu for the third row is highlighted with a green box.

- c) Confirm the cancellation by clicking on "Ok"

**Cancellation of subscription(s)** ✕

You wish to cancel the "Reservation flexible t2.micro 1 year with upfront" subscriptions, linked to the **FE3** order.

Your subscription will end on **3/31/2021**.

Please indicate the number of subscriptions to be cancelled.

---

Available quantity 3

Quantity to cancel \*

\* This field is required

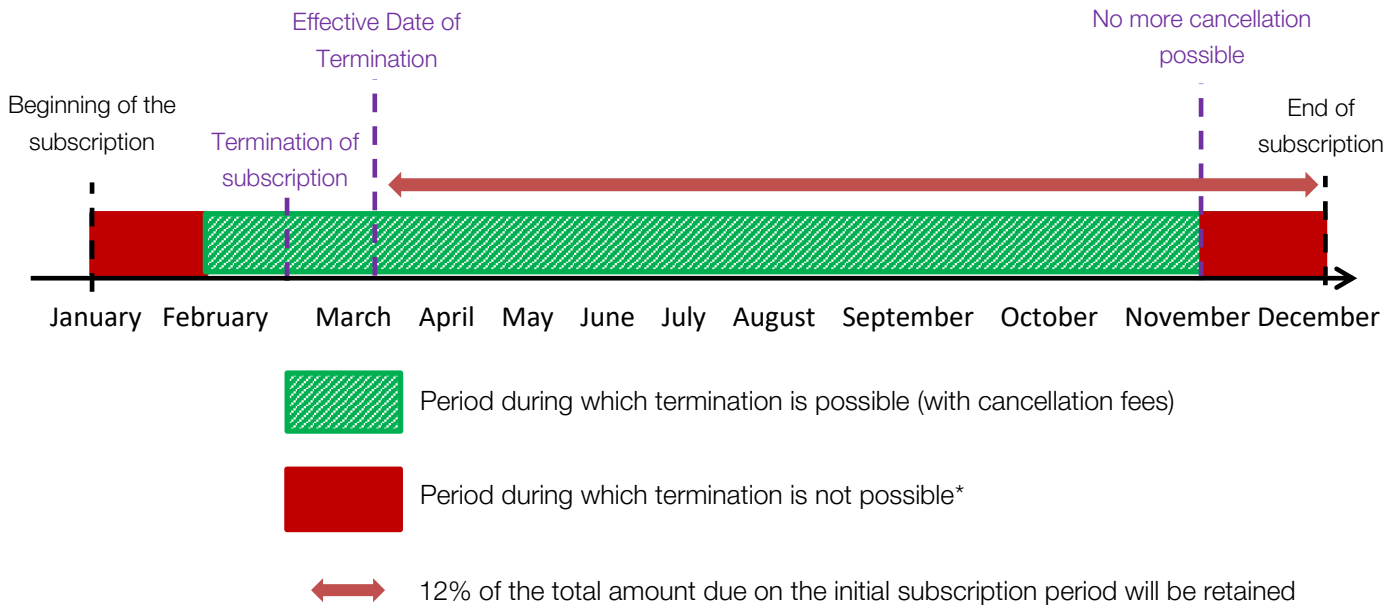
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You must pay early termination penalties of approximately 4.96 \$



## All to know about Reserved Instances

### 4. When can I cancel my Reserved Instance?



### 5. Calculation of termination penalties

As explained above, **for any early termination** of a Reserved Instance, **a fee will be charged**. The amount retained will correspond to **12% of the total amount remaining due** on the initial subscription period.

#### Example

You subscribe in December to a Reserved Instance ECS c1.large, 2vcpu, 2RAM (GB), EVS for 1 year without upfront. You will pay monthly 41, 64 € or 499, 68 € for one year (41, 64 x 12 = 499, 68), from next January to next December.

If you decide to terminate your contract before the end of the subscription in mid-March for example, the termination will be effective on April 1st.

You are initially committed for 1 year and will have to pay 12% of the total amount due for the subscription period, in our example, 12% of the remaining 8 months (April to December).

$$\begin{aligned}
 8 \text{ months} &= 333.12 \text{ €} \\
 333.12 \text{ €} \times 0.12 &= 39.97 \text{ €}
 \end{aligned}$$

In this example, you will have to pay 39.97€ to cancel his subscription.

## All to know about Reserved Instances

### 6. How do I extend my Flexible Reserved Instance?

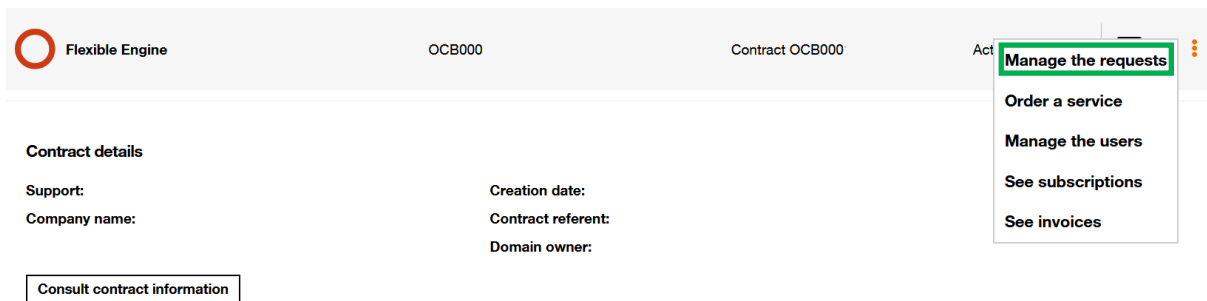
When one or more of your subscriptions ends, you will receive an email indicating the end of your subscription.

In this case you have two possibilities:

- 1) Ordering a new Flexible Reserved Instance (for this, see step 2 "How to subscribe to Flexible Reserved Instances?")
- 2) The extension of your Flexible Reserved Instance at the same price.

To carry out the extension of your Flexible Reserved Instance, the procedure is the following:

- a) Click on the "..." corresponding to your contract and then on "see the subscriptions"



The screenshot shows the 'Flexible Engine' interface for contract OCB000. A dropdown menu is open, with 'Manage the requests' highlighted in green. Other options include 'Order a service', 'Manage the users', 'See subscriptions', and 'See invoices'. Below the menu, there are fields for 'Support:', 'Company name:', 'Creation date:', 'Contract referent:', and 'Domain owner:'. A button labeled 'Consult contract information' is also visible.

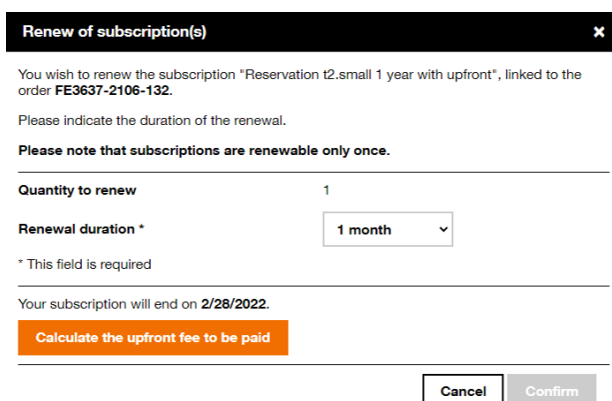
- b) Choose the subscription you wish to extend by clicking on the 3 dots and click on "Renew".



The screenshot shows a table of subscriptions. The second row is selected, and a dropdown menu is open with 'Renew' highlighted in green. The table columns include start/end dates, reference numbers, subscription descriptions, quantities, and prices.

From	To	Ref.	Description	Quantity	Price	Actions
From 2/1/23 to 7/31/23		Ref. FE1655-2301-931	Reservation flexible t2.micro 1 year with upfront	Quantity: 2	€6.20 / month	Cancel, Modify, Renew
From 2/1/23 to 1/31/24		Ref. FE1655-2301-925	Reservation flexible c6.2xlarge.2 1 year without upfront	Quantity: 1	€192.27 / month	Cancel, Modify, Renew

- c) You can then choose the renewal duration. To finalize the action, click on the "Confirm" button



The screenshot shows a dialog box titled 'Renew of subscription(s)'. It contains the following text: 'You wish to renew the subscription "Reservation t2.small 1 year with upfront", linked to the order FE3637-2106-132. Please indicate the duration of the renewal. Please note that subscriptions are renewable only once.' There is a field for 'Quantity to renew' (set to 1) and a dropdown for 'Renewal duration' (set to 1 month). A note states '\* This field is required'. Below this, it says 'Your subscription will end on 2/28/2022.' There is a button to 'Calculate the upfront fee to be paid' and two buttons at the bottom: 'Cancel' and 'Confirm'.



## All to know about Reserved Instances

### 7. Frequently asked questions

[What is the difference between a standard Elastic Cloud Server instance reservation and a flexible Elastic Cloud Server instance reservation?](#)

Booking standard or flexible Elastic Cloud server instances allows you to save money compared to the pay-per-use billing method. The flexible instance reservation allows you to modify your reserved instances during the period of your subscription.

[Can I exchange my reservation of classic Elastic Cloud Server instances for a reservation of flexible Elastic Cloud Server instances?](#)

This type of exchange is not available today. You will be able to subscribe to flexible reserved instances at the end of your standard instance reservation.

[How do I know if my Reserved Instance subscription is ending soon?](#)

In the subscription tab of the cloud store, you will find the list of all the subscriptions and their end dates. Moreover, an email is sent in the month before the end of the subscription to warn of the end of it.

[Does the reservation of an instance in the cloud store generate the resource in my technical console?](#)

To generate/create a resource you have to launch it in the technical console. The reservation of the instance in the Cloud store changes how you are billed but doesn't create any underlying resource/service.