

# Price List

## Flexible Computing Advanced

### 1. Definitions

The definitions as per "Flexible Computing Advanced" Service Description shall apply with respect to this Price List.

### 2. Object

The purpose of the present Price List is to define the prices of the "Flexible Computing Advanced" Service.

### 3. Minimum invoicing amount

As soon as at least one Virtual Data Center is created in the Organization, a minimum invoicing is set up, amounting to 300 euros per month and per Organization, including Support.

### 4. Virtual Datacenter

#### 4.1. vDC on shared cluster

The different billing methods are explained in the Service Description, in the chapter "Computing Power Billing Modes".

For the PAYG and DRaaS invoicing methods, the monthly prices are given as an indication.

For the following two tables, Dual Room refers to the Dual Room HA mode (HADR) defined in the Service Description in paragraph 6.1.2.

Virtual Datacenter : CPU						
Class of performance	Class of availability	Allocation of resources mode	Billing mode	WU	Prices per hour	Prices per month
Eco	One Room	PAYG	PAYG	vCPU	0,0137 €	10,00 €
Eco	One Room	Allocation Pool	Mixed	GHz	0,0073 €	5,33 €
Eco	One Room	Allocation Pool	Reserved	GHz	0,0073 €	5,33 €
Eco	One Room	PAYG	DRaaS	vCPU	0,0137 €	10,00 €
Standard	One Room	PAYG	PAYG	vCPU	0,0250 €	18,25 €
Standard	One Room	Allocation Pool	Mixed	GHz	0,0090 €	6,60 €
Standard	One Room	Allocation Pool	Reserved	GHz	0,0090 €	6,60 €
Standard	One Room	PAYG	DRaaS	vCPU	0,0250 €	18,25 €
Standard	Dual Room	PAYG	PAYG	vCPU	0,0313 €	22,81 €
Standard	Dual Room	Allocation Pool	Mixed	GHz	0,0113 €	8,25 €
Standard	Dual Room	Allocation Pool	Reserved	GHz	0,0113 €	8,25 €
High Performance	One Room	Allocation Pool	Mixed	GHz	0,0111 €	8,10 €
High Performance	One Room	Allocation Pool	Reserved	GHz	0,0111 €	8,10 €
High Performance	Dual Room	Allocation Pool	Mixed	GHz	0,0155 €	11,34 €
High Performance	Dual Room	Allocation Pool	Reserved	GHz	0,0155 €	11,34 €
VOIP	One Room	Allocation Pool	Reserved	GHz	0,0122 €	8,91 €

Virtual Datacenter : RAM						
Class of performance	Class of availability	Allocation of resources mode	Billing mode	WU	Prices per hour	Prices per month
Eco	One Room	PAYG	PAYG	GB	0,0131 €	9,56 €
Eco	One Room	Allocation Pool	Mixed	GB	0,0079 €	5,74 €
Eco	One Room	Allocation Pool	Reserved	GB	0,0079 €	5,74 €
Eco	One Room	PAYG	DRaaS	GB	0,0131 €	9,56 €
Standard	One Room	PAYG	PAYG	GB	0,0147 €	10,70 €
Standard	One Room	Allocation Pool	Mixed	GB	0,0088 €	6,40 €
Standard	One Room	Allocation Pool	Reserved	GB	0,0088 €	6,40 €
Standard	One Room	PAYG	DRaaS	GB	0,0147 €	10,70 €
Standard	Dual Room	PAYG	PAYG	GB	0,0183 €	13,38 €
Standard	Dual Room	Allocation Pool	Mixed	GB	0,0110 €	8,00 €
Standard	Dual Room	Allocation Pool	Reserved	GB	0,0110 €	8,00 €
High Performance	One Room	Allocation Pool	Mixed	GB	0,0105 €	7,70 €
High Performance	One Room	Allocation Pool	Reserved	GB	0,0105 €	7,70 €
High Performance	Dual Room	Allocation Pool	Mixed	GB	0,0148 €	10,78 €
High Performance	Dual Room	Allocation Pool	Reserved	GB	0,0148 €	10,78 €
VOIP	One Room	Allocation Pool	Reserved	GB	0,0116 €	8,47 €

Percentage of resources billed per month in Mixed and DRaaS mode:

Class of service	Mixed	DRaaS Basic	DRaaS Premium
Eco	15 %	0%	7,5%
Standard	30 %	0%	15%
High Perf	60 %	n/a	n/a

## 4.2. vDC on dedicated cluster

Server type	Monthly unit price
Server Intel 36 cores / 512 GB of RAM	2 879 €

## 5. Storage

### 5.1. Storage profiles on « shared datastore »

Class of performance	Type of datastore	Class of availability	PAYG per VM Prices per month and per GB	Subscription per vDC Prices per month and per GB
Silver (600 IOPS / TB)	vmdk	One Room	0,0470 €	0,0447 €
Gold (1.000 IOPS / TB)	vmdk	One Room	0,0810 €	0,0770 €
		Dual Room	0,1620 €	0,1539 €
Platinum (3.000 IOPS / TB) – P3K	vmdk	One Room	0,1393 €	0,1323 €
		Dual Room	0,2786 €	0,2647 €
Platinum (5.000 IOPS / TB) – P5K	vmdk	One Room	0,2636 €	0,2504 €
Platinum (10.000 IOPS / TB) – P10K	vmdk	One Room	0,5458 €	0,5185 €

PAYG by VM: the storage considered is the storage allocated to virtual machines.

Subscription by vDC: the storage taken into account is the average storage allocated to the vDC during the reference month.

## 5.2. Storage profiles on « dedicated datastore »

Class of performance	Type of datastore	Class of availability	Unencrypted	Encrypted
			Prices per month and per GB	Prices per month and per GB
Silver (600 IOPS / TB)	vmdk	One Room	0,0376 €	0,0470 €
	NFS/CIFS	One Room	0,0470 €	0,0588 €
Gold (1.000 IOPS / TB)	vmdk	One Room	0,0648 €	0,0810 €
	vmdk	Dual Room	0,1296 €	0,1620 €
	NFS/CIFS	One Room	0,0810 €	0,1013 €
Platinum (3.000 IOPS /TB) – P3K	vmdk	One Room	0,1114 €	0,1393 €
	vmdk	Dual Room	0,2229 €	0,2786 €
	NFS/CIFS	One Room	0,1393 €	0,1741 €
Platinum (5.000 IOPS /TB) – P5K	vmdk	One Room	0,2109 €	Not available
Platinum (10.000 IOPS /TB) – P10K	vmdk	One Room	0,4366 €	Not available

The storage quantity taken into account is the average storage quantity reserved during the reference month.

## 6. Network Connection

The chosen connection is Internet and/or intranet, billed per reserved Mbps.

### 6.1. Internet Bandwidth Speed

Invoicing per reserved Mbps (Reserved PESGi) or according to observed throughput (PAYG PESGi) per Organization and in 1 Mbps steps.

Internet Bandwidth speed	Prices per month and per Mbps
Up to 10 Mbps	Free of charge
Up to 20 Mbps	3,50 €
Up to 50 Mbps	3,25 €
Up to 200 Mbps	2,90 €
Up to 500 Mbps	2,50 €
Up to 1 Gbps	2,10 €

The first 10 free Mbps are agreed for the Organization.

### 6.2. BVPN connection Gallery – GVAP

The connection of the Customer's vDC to its BVPN is provided as part of Flexible Computing Advanced, and is billed according to the throughput subscribed for an Organization.

Type of GVAP	GVAP throughput (unlimited traffic)	Prices per month and per GVAP
Type 1	From 1 to 200 Mbps	Free of charge
Type 2	From 201 to 500 Mbps	50,00 €
Type 3	From 501 Mbps to 1 Gbps	100,00 €

### 6.3. IP Address

IP Address	Price per IP address IP and per day
Public IP Address	0,10 €

### 6.4. « NSX Edge » gateway

Edge gateway	connectivity	monthly rate
Provider Edge gateway	Internet or VPN	included in the purchase of connectivity
vDC Edge gateway (standalone)		29 €
vDC Edge gateway HA (High Availability)		49 €

### 6.5. Appliance de QoS

Model	Price per appliance per month
Small	99 €
Large	139 €
X-Large	219 €

## 7. Licenses

### 7.1. Free licenses

OS License – Virtual Machine	monthly rate
Debian 32/64 bits US/FR	free of charge
Ubuntu 32/64 bits US/FR	
CentOS 32/64 bits US/FR	

### 7.2. Pay licenses

Paid licenses installed from a catalog template provided by Orange Business Services are automatically invoiced.

Licenses invoiced monthly are invoiced on a pro rata basis over their useful life. The duration of use is the number of days the licensed VM has been used at least once.

#### 7.2.1. Windows license attached to a VM

Windows License	Prices per month and per vCPU	Prices per day and per vCPU
VM hosted in an Eco class vDC	7,50 €	0,2465 €
VM hosted in a Standard class vDC	11,50 €	0,3781 €
VM hosted in a High Performance or VOIP class vDC	29,50 €	0,9699 €

The Windows license price applies to all available versions and editions. Invoicing is based on the maximum value recorded in terms of the number of vCPUs of a VM over a 24-hour period. The minimum billing unit is the 24-hour day.

The monthly price is given as an indication.

#### 7.2.2. Windows license attached to the physical server (dedicated clusters)

Windows License	Price per month and per physical core
Windows « Datacenter » Edition	39,00 €

Invoicing is based on all physical cores on the physical server.

#### 7.2.3. Redhat license

VM size	Prices per month and per VM	Prices per day and per VM
VM Small (VM ≤ 4 vCPU)	37,00 €	1,22 €
VM Large (VM > 4 vCPU)	81,00 €	2,66 €

The rate (Small or Large) applied on a VM for a given day corresponds to the maximum number of vCPUs simultaneously active in that VM during that day.

The monthly price is given as an indication.

## 7.2.4. MS SQL License

SQL Server License	Prices per month and per vCPU	Prices per day and per vCPU
SQL Server Web Edition	4,95 €	0,163 €
SQL Server Standard Edition	79,20 €	2,604 €
SQL Server Enterprise Edition	303,70 €	9,985 €

The invoicing of the licenses subscribed by vCPU follows the rules below :

- Invoicing is carried out on the maximum value observed in number of vCPUs of a VM over a period of 24 hours.
- Billing per VM, with a minimum of 4 vCPUs billed.
- The VM will be billed for an even number of vCPU licenses (rounded up).
- The minimum billing unit is the 24 hour day.

The monthly price is given as an indication.

MS SQL-Server commissioning fees: 260 € per VM, as part of a manual deployment by us.

## 7.2.5. Declarative Licenses

Declarative licenses are invoiced according to the number of users declared by the Customer in the Purchase Order or change request.

Declarative licenses	Price per user and per month
Windows Server Remote Desktop Services –SAL RDS	5,76 €
Office Standard	12,33 €
Office Pro	16,83 €

If several Office licenses are installed on the same VM, it is necessary to provide as many RDS licenses.

## 8. Backup

### 8.1. Standard NSS policies

Policies	Combinations / local only	Price / month / protected GB
Policy #1	[DAILY-6] 1 Backup / day – 6-day retention	0,051 €
Policy #2	[DAILY-30] 1 Backup / day – 30-day retention	0,099 €
Policy #3	[WEEKLY-4] 1 Backup / week – 4-week retention	0,059 €
Policy #4	[MONTHLY-3] 1 Backup / month – 3-month retention	0,061 €
Policy #5	[DAILY-6] + [WEEKLY-4]	0,110 €
Policy #6	[DAILY-6] + [WEEKLY-4] + [MONTHLY-3]	0,171 €
Policy #7	[DAILY-6] + [MONTHLY-3]	0,112 €
Policy #8	[DAILY-30] + [MONTHLY-3]	0,160 €
Policy #9	[WEEKLY-4] + [MONTHLY-3]	0,120 €
Policy #10	[MONTHLY-12] 1 Backup / month – 12-month retention	0,151 €
Policy #11	[DAILY-6] + [MONTHLY-12]	0,202 €
Policy #12	[DAILY-30] + [MONTHLY-12]	0,250 €
Policy #13	[WEEKLY-4] + [MONTHLY-12]	0,155 €
Policy #14	[DAILY-6] + [WEEKLY-4] + [MONTHLY-12]	0,261 €
Policy #15	[DAILY-60] 1 Backup / day – 60-day retention	0,079 €
Policy #99	[SPOT] 1 punctual backup at the customer's hand – 31-day retention	0,041 €

Policies	Combinations / local plus replication on remote site	Price / month / protected GB
Policy #1X	[DAILY-6] 1 Backup / day – 6-day retention	0,102 €
Policy #2X	[DAILY-30] 1 Backup / day – 30-day retention	0,198 €
Policy #3X	[WEEKLY-4] 1 Backup / week – 4-week retention	0,118 €
Policy #4X	[MONTHLY-3] 1 Backup / month – 3-month retention	0,122 €
Policy #5X	[DAILY-6] + [WEEKLY-4]	0,220 €
Policy #6X	[DAILY-6] + [WEEKLY-4] + [MONTHLY-3]	0,342 €
Policy #7X	[DAILY-6] + [MONTHLY-3]	0,224 €
Policy #8X	[DAILY-30] + [MONTHLY-3]	0,320 €
Policy #9X	[WEEKLY-4] + [MONTHLY-3]	0,240 €
Policy #10X	[MONTHLY-12] 1 Backup / month – 12-month retention	0,302 €
Policy #11X	[DAILY-6] + [MONTHLY-12]	0,404 €
Policy #12X	[DAILY-30] + [MONTHLY-12]	0,500 €
Policy #13X	[WEEKLY-4] + [MONTHLY-12]	0,310 €
Policy #14X	[DAILY-6] + [WEEKLY-4] + [MONTHLY-12]	0,522 €
Policy #15X	[DAILY-60] 1 Backup / day – 60-day retention	0,158 €

Policies	Combinations / encrypted and local only	Price / month / protected GB
Policy #1Z	[DAILY-6] 1 Backup / day – 6-day retention	0,066 €
Policy #2Z	[DAILY-30] 1 Backup / day – 30-day retention	0,129 €
Policy #3Z	[WEEKLY-4] 1 Backup / week – 4-week retention	0,077 €
Policy #4Z	[MONTHLY-3] 1 Backup / month – 3-month retention	0,079 €
Policy #5Z	[DAILY-6] + [WEEKLY-4]	0,143 €
Policy #6Z	[DAILY-6] + [WEEKLY-4] + [MONTHLY-3]	0,222 €
Policy #7Z	[DAILY-6] + [MONTHLY-3]	0,146 €

Policies	Combinations / encrypted and local only	Price / month / protected GB
Policy #8Z	[DAILY-30] + [MONTHLY-3]	0,208 €
Policy #9Z	[WEEKLY-4] + [MONTHLY-3]	0,156 €
Policy #10Z	[MONTHLY-12] 1 Backup / month – 12-month retention	0,196 €
Policy #11Z	[DAILY-6] + [MONTHLY-12]	0,263 €
Policy #12Z	[DAILY-30] + [MONTHLY-12]	0,325 €
Policy #13Z	[WEEKLY-4] + [MONTHLY-12]	0,202 €
Policy #14Z	[DAILY-6] + [WEEKLY-4] + [MONTHLY-12]	0,339 €
Policy #15Z	[DAILY-60] 1 Backup / day – 60-day retention	0,103 €
Policy #99Z	[SPOT] 1 punctual backup at the customer's hand – 31-day retention	0,053 €

Policies	Combinations / encrypted, local plus replication on remote site	Price / month / protected GB
Policy #1XZ	[DAILY-6] 1 Backup / day – 6-day retention	0,133 €
Policy #2XZ	[DAILY-30] 1 Backup / day – 30-day retention	0,257 €
Policy #3XZ	[WEEKLY-4] 1 Backup / week – 4-week retention	0,153 €
Policy #4XZ	[MONTHLY-3] 1 Backup / month – 3-month retention	0,159 €
Policy #5XZ	[DAILY-6] + [WEEKLY-4]	0,286 €
Policy #6XZ	[DAILY-6] + [WEEKLY-4] + [MONTHLY-3]	0,445 €
Policy #7XZ	[DAILY-6] + [MONTHLY-3]	0,291 €
Policy #8XZ	[DAILY-30] + [MONTHLY-3]	0,416 €
Policy #9XZ	[WEEKLY-4] + [MONTHLY-3]	0,312 €
Policy #10XZ	[MONTHLY-12] 1 Backup / month – 12-month retention	0,393 €
Policy #11XZ	[DAILY-6] + [MONTHLY-12]	0,525 €
Policy #12XZ	[DAILY-30] + [MONTHLY-12]	0,650 €
Policy #13XZ	[WEEKLY-4] + [MONTHLY-12]	0,403 €
Policy #14XZ	[DAILY-6] + [WEEKLY-4] + [MONTHLY-12]	0,679 €
Policy #15XZ	[DAILY-60] 1 Backup / day – 60-day retention	0,205 €

The price of Backup Policies is given for a protected GB per month.

#### EXAMPLE:

A VM containing 100 GB of data is protected by Policy #9: the monthly price is  $100 \times 0.12\text{€} = 12\text{€}$ , including a weekly backup with 4-week retention, and a monthly backup with 3-month retention.

## 8.2. Agent mode policies

	Frequency	Retention	Price / protected GB / launch
Agent Policy #1	1 Backup on demand	6 days	0,026 €
Agent Policy #2	1 Backup on demand	1 month	0,115 €
Agent Policy #3	1 Backup on demand	3 months	0,061 €
Agent Policy #4	1 Backup on demand	12 months	0,151 €

#### NOTE

Jobs in agent mode are started either manually or by a scheduler (the scheduler of the VM operating system for example). Each job launch is invoiced according to the Policy called in the Backup job.



## 9. Activity Protection

### 9.1. VM replication between two Flexible Computing Advanced sites

Work units necessary for the protection of a VM	work unit	price
Zerto protection monthly subscription	VM / month	39,50 €
Traffic consumed for replication between two FCA Organizations	Transferred GB (*)	0,085 €
Protective storage	GB / month	according to current datastore storage rates

(\*) Actual amount of data transferred after optimization (compression, deduplication)

### 9.2. Flexible Recovery Advanced

Work units description	work unit	price
Protection of a VM located on the private infrastructure	VM / month	39,50 €
Zerto Cloud Connector	Subnet / month	20,00 €
Release management	/ month	75,00 €
Protection storage	GB / month	according to current datastore storage rates

## 10. Cross Connect

Work unit	Implementation	Monthly rate
1 Link 1 Gbps	1 600 €	20 €
2 Links 1 Gbps in failover mode (nominal / rescue)	2 800 €	30 €
2 Links 1 Gbps with link aggregation (LACP)	3 100 €	50 €
1 Link 10 Gbps	1 600 €	85 €
2 Links 10 Gbps in failover mode (nominal / rescue)	2 800 €	105 €
2 Links 10 Gbps with link aggregation (LACP)	3 100 €	135 €

## 11. Use IT Cloud

Work unit	Price / month
Use IT Cloud full version (w/ multi-cloud) on a Dedicated Appliance	49 €
VM created on non-Orange IaaS offers	Price per range (see tab below)

Range	Price / month
From 1 to 10 VM	29 €
From 11 to 50 VM	79 €
From 51 to 100 VM	249 €
From 101 to 500 VM	789 €
501 VM and more	1 490 €

## 12. Access to SMTP gateways

work unit	price
IP address of the server declared	5 € / month

## 13. Support and assistance

### 13.1. Access to the support

Support	Prix per month
Standard Support	Included
Bronze Support	5% of the amount of the usage
Silver Support	5% of the amount of the usage with a minimum of 390€
Gold Support	10% of the amount of the usage with a minimum of 790€

### 13.2. Support services

Support services	Price
<b>Coaching vCloud Director on FCA : level 1</b>	750 €
<b>Coaching vCloud Director on FCA : level 1</b>	750 €
<b>Coaching vCloud Director on FCA : level 1 + level 2</b>	1400 €
<b>Coaching API VCD</b>	800€
<b>Solution Development (POC)</b> Includes Coaching vCloud Director level 1 Weekly follow-up point of 1 hour by phone Technical expertise package of 4 hours/month	1 200€ (first month) 600€ (following months)
<b>Dedicated Solution Manager</b> Personalized assistance and advice by a virtualization expert. (based on a minimum of 2 days per month)	600 € per day
<b>Flexible Expertise</b> Assistance with the act of virtualization expertise. Assistance in the deployment of your complex solution on Flexible Computing Advanced. Assistance in optimizing performance.	Pack 4H : 385 € Pack 8H : 750 €
<b>Scheduled jobs</b>	100 € / hour in BH 150 € / hour in NBH
<b>On-call expertise</b>	200 € /day 600 € / week-end
<b>Comfort Customer Service</b> Monthly meeting call option	390€/month 200€/month

Support services	Price
<b>Business Customer Service</b>	2900€ /month
Monthly meeting option (on call)	350€ /month
Monthly meeting option (physical)	600€ /month

## 14. Miscellaneous services

### 14.1. Change request

Service	Price
enable/disable CSSA connection	free of charge
enable/disable INTERNET connection	
enable/disable VPN connection	
modify the INTERNET Bandwidth speed	
order public IP addresses	
delete public IP addresses	
add, modify, delete a Virtual Data Center (vDC)	
request an RDS license	
request reverse DNS	
import of Linux Virtual Machines per USB disk	
import of Windows Virtual Machines per USB disk	
data import/export per USB disk	

### 14.2. Security

Service	Price
Vulnerability audit	on quotation