

# 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 400 euros per month and per Organization. The basis for calculating this minimum invoicing takes into account the Silver or Gold support service that may be subscribed by the Customer.

#### 3.1. 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.

Virtual Datacenter : CPU						
Class of performance	Class of availability	Allocation of resources mode	Billing mode	WU	Prices per hour	Prices per month
Eco	Standard	PAYG	PAYG	vCPU	0,0137 €	10,00 €
Eco	Standard	Allocation Pool	Mixed	GHz	0,0073 €	5,33 €
Eco	Standard	Allocation Pool	Reserved	GHz	0,0073 €	5,33 €
Eco	Standard	PAYG	DRaaS	vCPU	0,0137 €	10,00 €
Standard	Standard	PAYG	PAYG	vCPU	0,0250 €	18,25 €
Standard	Standard	Allocation Pool	Mixed	GHz	0,0090 €	6,60 €
Standard	Standard	Allocation Pool	Reserved	GHz	0,0090 €	6,60 €
Standard	Standard	PAYG	DRaaS	vCPU	0,0250 €	18,25 €
Standard	Local MetroCluster	PAYG	PAYG	vCPU	Roadmap	Roadmap
Standard	Local MetroCluster	Allocation Pool	Mixed	GHz	Roadmap	Roadmap
Standard	Local MetroCluster	Allocation Pool	Reserved	GHz	Roadmap	Roadmap
High Performance	Standard	Allocation Pool	Mixed	GHz	0,0111 €	8,10 €
High Performance	Standard	Allocation Pool	Reserved	GHz	0,0111 €	8,10 €
High Performance	Local MetroCluster	Allocation Pool	Mixed	GHz	Roadmap	Roadmap
High Performance	Local MetroCluster	Allocation Pool	Reserved	GHz	Roadmap	Roadmap

## Virtual Datacenter : RAM

Class of performance	Class of availability	Allocation of resources mode	Billing mode	WU	Prices per hour	Prices per month
Eco	Standard	PAYG	PAYG	GB	0,0131 €	9,56 €
Eco	Standard	Allocation Pool	Mixed	GB	0,0079 €	5,74 €
Eco	Standard	Allocation Pool	Reserved	GB	0,0079 €	5,74 €
Eco	Standard	PAYG	DRaaS	GB	0,0131 €	9,56 €
Standard	Standard	PAYG	PAYG	GB	0,0147 €	10,70 €
Standard	Standard	Allocation Pool	Mixed	GB	0,0088 €	6,40 €
Standard	Standard	Allocation Pool	Reserved	GB	0,0088 €	6,40 €
Standard	Standard	PAYG	DRaaS	GB	0,0147 €	10,70 €
Standard	Local MetroCluster	PAYG	PAYG	GB	Roadmap	Roadmap
Standard	Local MetroCluster	Allocation Pool	Mixed	GB	Roadmap	Roadmap
Standard	Local MetroCluster	Allocation Pool	Reserved	GB	Roadmap	Roadmap
High Performance	Standard	Allocation Pool	Mixed	GB	0,0105 €	7,70 €
High Performance	Standard	Allocation Pool	Reserved	GB	0,0105 €	7,70 €
High Performance	Local MetroCluster	Allocation Pool	Mixed	GB	Roadmap	Roadmap
High Performance	Local MetroCluster	Allocation Pool	Reserved	GB	Roadmap	Roadmap

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

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

### 3.2. vDC on dedicated cluster

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

## 4. Storage

### 4.1. 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	Standard	0,0470 €	0,0447 €
Gold (1.000 IOPS / TB)	vmdk	Standard	0,0810 €	0,0770 €
Platinum (3.000 IOPS /TB) – P3K	vmdk	Standard	0,1393 €	0,1323 €
Platinum (5.000 IOPS /TB) – P5K	vmdk	Standard	0,2636 €	0,2504 €
Platinum (10.000 IOPS /TB) – P10K	vmdk	Standard	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.

### 4.2. 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	Standard	0,0376 €	0,0470 €
Silver (600 IOPS / TB)	vmdk	Local MetroCluster	0,0564 €	0,0705 €
Silver (600 IOPS / TB)	NFS/CIFS	Standard	0,0470 €	0,0588 €
Silver (600 IOPS / TB)	NFS/CIFS	Local MetroCluster	0,0705 €	0,0881 €
Gold (1.000 IOPS / TB)	vmdk	Standard	0,0648 €	0,0810 €
Gold (1.000 IOPS / TB)	vmdk	Local MetroCluster	0,0972 €	0,1215 €
Gold (1.000 IOPS / TB)	NFS/CIFS	Standard	0,0810 €	0,1013 €
Gold (1.000 IOPS / TB)	NFS/CIFS	Local MetroCluster	0,1215 €	0,1519 €
Platinum (3.000 IOPS /TB) – P3K	vmdk	Standard	0,1114 €	0,1393 €
Platinum (3.000 IOPS /TB) – P3K	vmdk	Local MetroCluster	0,1672 €	0,2090 €
Platinum (3.000 IOPS /TB) – P3K	NFS/CIFS	Standard	0,1393 €	0,1741 €
Platinum (3.000 IOPS /TB) – P3K	NFS/CIFS	Local MetroCluster	0,2090 €	0,2612 €
Platinum (5.000 IOPS /TB) – P5K	vmdk	Standard	0,2109 €	Not available
Platinum (10.000 IOPS /TB) – P10K	vmdk	Standard	0,4366 €	Not available

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

## 5. Network Connection

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

## 5.1. 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.

## 5.2. BVPN connection Gallery – PVAG

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 PVAG	PVAG throughput (unlimited traffic)	Prices per month and per PVAG
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 €

## 5.3. IP Address

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

## 5.4. « 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. Licenses

### 6.1. 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	

### 6.2. 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.

#### 6.2.1. 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 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.

#### 6.2.2. 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.

#### 6.2.3. 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.

#### 6.2.4. MS SQL License

SQL Server License	Prices per month and per vCPU	Prices per day and per vCPU
SQL Server Web Edition	4,00 €	0,16 €
SQL Server Standard Edition	68,00 €	2,24 €
SQL Server Enterprise Edition	251,00 €	8,25 €

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 minimum number of vCPUs counted for invoicing a SQL Server license is 2 vCPUs.

The monthly price is given as an indication.

MS SQL-Server commissioning fees: 260 € per VM.

#### 6.2.5. 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	5,50 €
Office Standard	14,00 €
Office Pro	19,00 €

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

## 7. Backup

### 7.1. 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 €

Policies	Combinations / local only	Price / month / protected GB
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 €
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 €

Policies	Combinations / encrypted and local only	Price / month / protected GB
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.

## 7.2. 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.



## 8. VM Replication with Zerto

Works units necessary for the protection of a VM	work unit	price
Zerto protection monthly subscription	VM / month	39,50 €
Zerto Cloud Connector (required for the implementation of the DRaaS)	Connector / month	49,00 €
Bandwidth used for replication between two FCA Organizations	Transferred GB (*) / month	0,085 €
Protective storage	Go / month	according to current datastore storage rates

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

## 9. 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 €

## 10. Access to SMTP gateways

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

## 11. Support and assistance

### 11.1. Access to the support

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

### 11.2. Support services

Support services	Price
<b>Coaching vCloud Director on FCA : level 1</b>	1 500 €
<b>Coaching vCloud Director on FCA : level 1</b>	1 500 €
<b>Coaching vCloud Director on FCA : level 1 + level 2</b>	2 800 €
<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

Support services	Price
<b>Comfort Customer Service</b> Monthly meeting call option	390€ /month 200€ /month
<b>Business Customer Service</b> Monthly meeting option (on call) Monthly meeting option (physical)	2900€ /month 350€ /month 600€ /month

## 12. Miscellaneous services

### 12.1. 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	

### 12.2. Security

Service	Price
Vulnerability audit	on quotation