Cloud Services Pricing Guide
G-Cloud 10

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1   Executive Summary

Carrenza provides commodity pricing based on the resource usage for our OFFICIAL/OFFICIAL SENSITIVE Public Sector Cloud platform. The pricing is provided on a granular per vCPU, GB RAM and GB Storage basis.

This pricing model provides increased transparency and means when environments scale you will only have to pay for the additional resource require and used, not for the next server size up. This model makes it much more cost-effective to scale the environment up or down, and you will only pay for the resource you actually use.

The pricing schedule contains a list of the services available to the Customer from the Supplier. It is not exhaustive. Details of the specification, dependencies and constraints of each of the Services provided are given in the relevant Service Description.

2 Samples Server Sizing – Public Sector Cloud

The below illustrates the price per hour for some sample service sizing. The example has been created for illustrative purposes and is for the Carrenza x86 cloud (both VMware and OVM based). Each server has 100GB data allocated although additional SAN storage is available priced per GB at £0.18 per GB per month for standard production storage. Hourly billing/pricing is available.

Server Size	vCPU	GB RAM	GB Storage	Monthly Price	Hourly Price
Tiny	1	2	60	£44.76	£0.07
Small	2	4	60	£71.52	£0.10
Medium	4	8	60	£125.04	£0.17
Medium (high memory)	4	16	60	£196.08	£0.27
Large	8	16	60	£232.08	£0.32
Large (high memory)	8	32	60	£374.16	£0.51
Sample App Server 1	8	48	60	£516.24	£0.70
Sample App Server 2	8	64	60	£658.32	£0.89
Sample App Server 3	8	96	60	£942.48	£1.27
Large Database Server	16	32	60	£446.16	£0.60
Transactional Server	16	64	60	£730.32	£0.99
High Transactional Server	32	128	60	£1,442.64	£1.94

3   Carrenza Public Sector Cloud Pricing

3.1   Compute

3.1.1   Production

Item	Unit Cost	Description
vCPU	£9.00	Per vCPU per month
RAM	£8.88	Per GB per month
Resource Pool Dedicated – 115GB RAM	£4,670.00	Per pool per month
Resource Pool Dedicated – 230GB RAM	£5,140.00	Per pool per month
Resource Pool Dedicated – 465GB RAM	£6,540.00	Per pool per month
Resource Pool Dedicated – 930GB RAM	£10,420.00	Per pool per month
Physical Oracle T7 Server – 32 Core (224 vCPU), 488GB RAM	£8,117.24	Per server per month

3.1.2   Disaster Recovery

Item	Unit Cost	Description
DRaaS vCPU	£2.88	Per vCPU per month
DRaaS RAM	£1.92	Per GB per month
DRaaS Resource Pool Dedicated – 115GB RAM	£1,120.00	Per pool per month
DRaaS Resource Pool Dedicated – 230GB RAM	£1,190.00	Per pool per month
DRaaS Resource Pool Dedicated – 465GB RAM	£1,750.00	Per pool per month
DRaaS Resource Pool Dedicated – 930GB RAM	£3,500.00	Per pool per month

3.2   Storage

Item	Unit Cost	Description
Standard Production Storage (2 IOPS per GB)	£0.18	Per GB per month
DRaaS Standard Production Storage (2 IOPS per GB)	£0.18	Per GB per month
SPARC Storage	£0.35	Per GB per month

3.3   Network Protect – DDoS Mitigation

Item	Unit Cost	Description
Network Protect - DDOS Service (Layer 3/4)	£1,228.10	per Protected Domain - first 100MB
Network Protect - DDOS Service (Layer 3/4)	£577.93	per Protected Domain - 101MB - 1GB per 100MB
Network Protect - DDOS Service (Layer 3/4)	£505.69	per Protected Domain - >1 GB per 100MB
Network Protect Plus - DDOS Service (Layer 7)	£2,500.00	per Protected Domain - first 100MB
Network Protect Plus - DDOS Service (Layer 7)	£1,500.00	per Protected Domain - 101MB - 1GB per 100MB
Network Protect Plus - DDOS Service (Layer 7)	£1,250.00	per Protected Domain - >1 GB per GB, per GB

3.4   Network Services

Item	Unit Cost	Description
Virtual Firewall – Unmanaged Compact	£60.00	Per firewall per month
Virtual Firewall – Unmanaged Compact HA	£120.00	Per firewall per month
Virtual Firewall – Unmanaged Large	£90.00	Per firewall per month
Virtual Firewall – Unmanaged Large HA	£180.00	Per firewall per month
Virtual Firewall – Unmanaged Quad Large	£120.00	Per firewall per month
Virtual Firewall – Unmanaged Quad Large HA	£240.00	Per firewall per month
Virtual Firewall – Unmanaged X-Large	£150.00	Per firewall per month
Virtual Firewall – Unmanaged X-Large HA	£300.00	Per firewall per month
Public IP Address /29	£20.00	3 useable IP's per month
Public IP Address /28	£35.00	11 useable IP's per month
Public IP Address /27	£45.00	27 useable IP's per month
Internet Breakout	£14.00	Per Mbps per month (Min 100Mbps)
PSN / Internet Cross Domain Bridge	£500.00	Per Environment
PSN Assured - first 1TB	£0.30	per GB throughput per month

PSN Assured - 1TB - 20TB	£0.25	per GB throughput per month
PSN Assured - above 20TB	£0.10	per GB throughput per month
PSN Protect Bandwidth	£200.00	per Mbps (min 10 Mbps)
PSN Protect - first 1TB	£0.90	per GB throughput per month
PSN Protect - 1TB - 20TB	£0.35	per GB throughput per month
PSN Protect - above 20TB	£0.15	per GB throughput per month
PSN Assured Bandwidth	£150.00	per Mbps (min 10 Mbps)

3.5   Managed Services – x86

Item	Unit Cost	Description
WeManage – Server Monitoring	£30.00	Per server per month
WeManage – Server Reactive	£75.00	Per server per month
WeManage – Server Proactive	£150.00	Per server per month
WeManage – SQL	£450.00	Per server per month
WeManage – AD Bronze	£450.00	Per server per month
WeManage – AD Silver	£600.00	Per server per month
WeManage – AD Gold	£750.00	Per server per month

3.6   Managed Services - OVM

Item	Unit Cost	Description
WeManage – Server Monitoring	£95.00	Per server per month
WeManage – Server Reactive	£175.00	Per server per month
WeManage – Server Proactive	£250.00	Per server per month

3.7   Business Continuity

Item	Unit Cost	Description
Backup & Restore Management x86	£25.00	Per server per month
Backup as a Service x86 Standard (28 day snapshot) (*Requires WeManage – Server Monitoring*)	£0.10	Per GB per month
Backup as a Service x86 Premium	£0.40	Per GB per month

Backup & Restore Management OVM	£120.00	Per instance per month
Backup Standard OVM - 28 day retention (*Requires WeManage – Server Monitoring*)	£0.18	Per GB per month
Managed DRaaS	£95.00	Per server per month

3.8   Consultancy Services

Item	Unit Cost	Description
Service Design	From £750.00	Per Service, but final cost depends on requirements
Service Setup	From £750.00	Per Service, but final cost depends on requirements
Service Management	From £750.00	Per Service, but final cost depends on requirements
DR Consultation	From £750.00	Per Service, but final cost depends on requirements
Project Manager	£1,000.00	Per day
Senior Technical Consultant	£1,200.00	Per day

3.9   Licensing

Item	Unit Cost	Description
Red Hat Enterprise Linux Small	£40.00	Up to 4 cores per month
Red Hat Enterprise Linux Large	£70.00	5 or more cores per month
Microsoft Windows Server	N/A	Included with all x86 Compute
Microsoft SQL Standard Edition (2 Core)	£148.70	per 2 cores per month
Microsoft SQL Enterprise Edition (2 Core)	£570.20	per 2 cores per month

4   Microsoft Azure Pricing

All Microsoft Azure pricing is based on Microsoft Azure list prices. Any Microsoft Azure changes during the lifetime of the applicable G-Cloud framework will be passed on to the Customer. Customers should always check the Microsoft Azure website for up to date pricing.

Current Microsoft Azure pricing is available at: https://azure.microsoft.com/en-gb/pricing/calculator/.

4.1   Monthly Managed Service

Carrenza also provide a Microsoft Azure Managed Service, starting at £500 per month. This bespoke service is designed with the specific needs of each customer in mind. Options range from basic support and help using the various Microsoft Azure services to delivering a full hybrid service to support workloads across multiple IaaS environments, for example, using Azure for test and dev and Carrenza for PSN OFFICIAL workloads. Full pricing for this service is available on request and is based on requirements.

5   Amazon Web Services Cloud Compute Pricing

Amazon Web Services (AWS) Cloud Compute pricing is based on AWS list prices. Any AWS price changes during the lifetime of the applicable G-Cloud framework will be passed on to the Customer. Customers should always check the AWS website for up to date pricing.

Current AWS pricing is available at: http://aws.amazon.com/products/

The AWS Simple Monthly Calculator is available at: http://calculator.s3.amazonaws.com/index.html

It is recommended for each customer that Carrenza procure Business Level Support as part of the AWS Cloud Compute service. This Business Level Support will be priced at £100 or 10% of the customers' AWS spend per month.

5.1   Monthly Managed Service

Carrenza also provide an AWS Cloud Compute Managed Service, starting at £500 per month. This bespoke service is designed with the specific needs of each customer in mind. Options range from basic support and help using AWS to delivering a full hybrid service to support workloads across multiple IaaS environments, *e.g.* using AWS for test and dev and Carrenza for PSN OFFICIAL workloads. Full pricing for this service is available on request and is based on requirements.

6   Carrenza – Mimecast Email Security & Archiving Solutions

Available to Local and Central Government (including housing associations, charities and not for profit), Carrenza are able to provide Mimecast managed services, including A1 (email archiving), M2 (security and cyber resiliency), M2A (security and cyber resiliency with archiving) and S1 (advanced security).

6.1   Mimecast Service Pricing

All S and M packages include Gateway AV/AS, mobile/client apps and Stationery.

Item	Per User Per Year				Description	Designed For
	50 -249	250 -999	1,000 - 9,999	10,000+		
S1	25.20	22.00	19.20	18.40	Targeted Threat Security, URL Protect, Attachment Protect, Impersonation Protect.	Security and protection from targeted threats such as spear-phishing and impersonation attacks.
A1	33.20	28.80	25.20	24.00	Email archiving with 99 year retention.	Journal only archiving with no gateway services.
M2	38.40	33.20	29.20	28.00	S1 Targeted Threat Security (URL Protect, Impersonation Protect and Attachment Protect) + D1 Compliance Security – Includes Email Continuity with 58 day retention.	Security with Targeted Threat Protection – URL, impersonation & attachment protection plus Compliance Security (incl. DLP). Continuity services with 58 days email retention for recovery purposes only.
M2A	63.60	55.20	48.00	46.00	S1 Targeted Threat Security (URL Protect, Impersonation Protect and Attachment Protect) + D1 Compliance Security – Includes Email Continuity with a 99 year Archive.	Security with Targeted Threat Protection – URL, impersonation & attachment protection plus Compliance Security (incl. DLP). Continuity services and 99 year archive with eDiscovery.

6.2   Support & Implementation

Item	Per Account Per Year
Account Setup (mandatory one-off)	£530.00
Email and Community Support	Included
Bronze Support (4% of annual subscription, minimum of £810.00)	5%
Silver Support (7% of annual subscription, minimum of £1,390.00)	9%
Gold Support (15% of annual subscription, minimum of £3,100.00)	15%

6.3   Education

Item	Fee
Interactive online courses	Included
Online training videos	Included
Knowledge Base access	Included

6.4   General Notes

- Customers must purchase Mimecast services via a valid Mimecast reseller.

- Prices reflect a 1 year contract, payable annually in advance.

- Customers must sign Mimecast's standard terms and conditions.

- The per user count is based on the number of permitted users.

- Minimum order value is £500 (net to Mimecast), excluding implementation, data ingestion or support.

- All services and popular add-ons must be licensed for all permitted users in the account (organisation).

- Mimecast reserves the right to adjust this price list at any time.

- Errors and omissions excepted.

- The annual subscription is the sum of all the services renewed annually.

- The account Setup is incurred only once for the setup of any new Mimecast account.

7   Cloud Professional Services Rate Card

Item	Unit Cost	Description
Engineer	£750.00	Per Day
Technical Consultant	£850.00	Per Day
Principal Consultant	£1,500.00	Per Day
Project Manager	£1,000.00	Per Day

Discounts are available based on the number of days required per service per customer.