

IBM Cloud for Performance Intensive Workloads (HPC & AI Enabled Infrastructure)

Pricing Document



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1.0 IBM Cloud Portal

IBM Cloud sometimes makes changes to offerings, included but not limited to: changing offering names, adding new offerings, removing existing offerings, adding or removing offering capabilities, changing costs per unit, changing units used to measure cost.

For further, updated information regarding all offerings, plus support and guidance on application running costs, contact your IBM representative or follow the link: <https://cloud.ibm.com/>

IBM Cloud provides a detailed cost estimator, and a down-to-the-penny cost calculator to help you plan for charges. You can check the actual cost after you build your apps through the IBM Cloud Dashboard. Where costs differ between this document and the IBM Cloud cost estimator tools, the tools should be considered to provide the correct price.

To calculate the cost of running an application on IBM Cloud, follow the link: <https://cloud.ibm.com/estimator>

*(**Please note:** these estimated prices will not include the 18% discount that are available to all UK Public Sector organisations – the prices in this document do include the 18% discount from list price.)*

There are the following billing options:

- **Pay-As-You-Go:** charged based on your use of provisioned Cloud compute and services
- **Subscription:** discounts are available based on a minimum monthly spending commitment and length of contract

1.1 Volume Discounts

Available subject to sizing and Statement of Work

1.2 Combination Discounts

The list prices provided below are discounted in accordance with the discount and terms agreed in the Memorandum of Understanding signed with Crown Commercial Service. This discount is a government wide discount calculated in January and July of each year and will increase from time to time depending upon the volume of Government purchases from IBM Cloud.

Please contact your IBM representative for further information on the current prevailing discount

1.3 Education Pricing

Available subject to sizing and Statement of Work.

1.4 Unit Based Pricing

The following table outlines a sample selection of HPC Clusters located in an IBM London Cloud Centre to support cloud bursting and/or adopt right sizing use cases.

Note to table – IBM Storage Scale Developer Edition Free Trial ^

Create a single global namespace of high-performance or tiered data using new or current storage up to 12TB with no time limits.

Learn, develop and test with IBM Storage Scale™, for non-production use.

Note to table – One Rate : Included allowances^^

There is only one class Active available - Other COS Options may be found in supporting entries. The built-in allowances for outbound bandwidth and Operational requests (Class A, Class B) depend on the monthly stored capacity (the higher the aggregated storage capacity, higher the allowances). There is no data retrieval charge.

Region - Europe

Compute	Core Count	Flavour	Hourly Price GBP		Total	
			Per VSI	Boot Image	VSI Charge	Boot Image
Small Cluster (Balanced 1000 cores)						
2 X Master Node		bx2d-4x16	0.16	0.01	0.33	0.02
2 x Static Nodes	192	bx-3d-96x480	4.04	0.01	8.09	0.02
(Estimated 8 x Dynamic Nodes (Max 10) Cluster would include 1 TB of Block Storage & LSF Licences (see below)	784	bx3d-96x480	4.04	0.01	32.36	0.07
Total Core	976					
Standard Cluster (Balanced - 5000 cores)						
2xMaster Node		bx3d-8x40	0.34	0.01	0.67	0.02
10x Static Node	960	bx3d-96x480	4.04	0.01	40.45	0.02
(est. 40 x Dynamic Nodes (max 50) Cluster would include 5TB of block storage and LSF licence (see below)	3840	bx3d-96x480	4.04	0.01	161.79	0.35
Total Core	4800					
Large Cluster (Memory - 1000 Cores)						
2xMaster Node		cx3d-48x120	1.81	0.01	3.62	0.02
15x Static Node	1440	mx3d-96x960	5.14	0.01	77.06	0.13
(est. 85 x Dynamic Nodes (max 100)	8160	mx3d-06X960	5.14	0.01	436.69	0.73
(est. 4 x GPU Nodes (1xNvidia L40S 48 GB Cluster would include 10TB of block storage and LSF licence (see below)		gx3-24X120X1140s	3.01	0.01	12.05	0.04
Total Core	9600					
Extra Large Cluster Compute 20000 cores						
2x Master Node		cx3d-48x120	1.81	0.01	3.62	0.02
15xstatic nodes	1440	cx3d-96x240	3.62	0.01	54.27	0.13
est. 185 dynamic nodes (max 200)	17760	cx3d-96x241	3.62	0.01	669.27	1.60
est. 8 x GPU nodes (2xNVidia Tesla v100 16g 15tb of storage and LSF		gx2-32x256x2v100	4.70	0.01	37.59	0.07
Total	19200					

1.5 Sector Pricing

Available subject to sizing and Statement of Work.

1.6 Resourced Based Pricing

Separate pricing will be available for operational resource, depending upon requirements.

IBM will convert the U.S. Dollars charges using an exchange rate as required by law or based upon a Bloomberg daily spot rate on the business day prior to the date IBM prepares your bill in your local currency.

The exchange rate used to calculate your monthly bill may differ over time. If the exchange rate fluctuates this will affect the £UKP price shown. The representative local currency amounts shown here were calculated using an exchange rate of **£GBP 0.7865 / \$USD**.

There may be additional charges for connectivity (PSN, ALI/RLI), Data Halls and Accreditation. Any such pricing for these dependent activities will be detailed during the initial project design phase.

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Further pricing and information can be found at <https://cloud.ibm.com/catalog>



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