

Machine Learning

GPU usage

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Configuring GPU usage

CML supports heterogeneous GPU clusters' configurations with homogenous GPUs within the nodes.

About this task

See the following example on a cluster with two nodes dedicated for GPU workloads:

- GPU Node A - 4xNvidia A10G
- GPU Node B - 2xnvidida A100

Procedure

- Set a default GPU accelerator label at: Site Administration Runtime Workload Accelerators .

The default GPU accelerator label is suggested in your workload selection screen.

For backwards compatibility, the default GPU accelerator label is used for those APIv2 requests that do not specify a GPU accelerator label but specify the number of GPUs for the workload.

You can limit the number of GPUs that can be used by a single workload (or a single session, single job and so on).



Note: Quota can only be applied to the total number of GPUs used by a user.



Note: You typically do not need to limit the number of GPUs allowed to be specified for a single workload. Set it to the maximum number of available GPUs on a single node. GPU utilization across nodes requires the use of CML Workers and distributed compute frameworks.

Related Information

[Installing NVIDIA GPU software in ECS](#)

[Using GPUs for Cloudera Machine Learning projects](#)

[Quota management overview](#)