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Azure spot instances for Virtual Warehouses

An Azure spot instance (spot) provides access to unused Azure compute capacity. Cloudera recommends using Virtual Warehouses on spot instances to facilitate cloud cost savings for workloads that are not SLA-bound. Because spot instances can disappear, impacting job performance, Cloudera recommends using spots only for workloads without strict SLA requirements. For fault-tolerant Data Warehouse workloads, utilizing spot instances can provide significant cost savings.

Azure spot instances are available in CDP under entitlement.

Activating a spot instance

You activate a spot instance using v3 API CDP CLI to create a cluster by setting --azure-options enableSpotInstances to true. For example:

```bash
cdp dw create-cluster --environment-crn <ENVIRONMENT_CRN> --azure-options enableSpotInstances=true
```

A spot label appears on the Virtual Warehouse running under a spot instance.

How to use this feature

Create a new CDW service, or deactivate then reactivate the environment, to use this feature.

**Related information:** [CDP CLI documentation » dw » create-cluster](#)