

## Cloud HPC with Open OnDemand and Cloudy Cluster









The Open OnDemand project was awarded credits in Google Cloud Platform with sponsorship from SCGI to integrate with the Cloudy Cluster product.

## What is Open OnDemand?

- Web based gateway to HPC that provides:
  - Interactive support to apps like Linux
    Desktops, Jupyter, Matlab and Rstudio
  - Shell access to HPC login nodes
  - File management
  - App development

## What is Cloudy Cluster?

- cloud based HPC
- Automatically creates machines & networking when you run jobs and destroys them when you're finished.
- Interfaces with Slurm and PBS
- Automatic cluster creation and management.

## Combined functionality

- Elastic interactive computing. Run Jupyter, Rstudio, Matlab, Desktops and more on cloud instances of variable sizes.
- Cloud provides on demand compute. Open OnDemand provides the gateway too it. Cloudy cluster provides the infrastructure to manage cloud compute instances and schedule jobs.
- Cloudy cluster will soon ship clusters with Open OnDemand built in. So customers will have the same experience in the cloud as they do on premise.

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