EXAScaler Cloud Quick Start Guide for Google Cloud Platform (GCP)

DDN performance, on demand. That’s what you get with DDN’s EXAScaler Cloud on GCP. Cloud deployments of data-intensive applications are saddled with performance bottlenecks, management challenges and skyrocketing expenses. Use EXAScaler Cloud to maximize your available cloud resources with a management environment consistent with on-premises deployments.

Get Started
The steps below will show how to quickly create a EXAScaler Cluster on Google Cloud Platform.

You will need a Google Cloud Platform account. Go to Marketplace and search for "EXAScaler".

EXAScaler Cloud
DDN Storage
Estimated costs: $0.00/month
Advanced Data Solutions For Modern Workloads

Click on "LAUNCH"
STEP 2 => ENTER FILESYSTEM NAME (default is "exacloud")

Filesystem name

enter filesystem name

STEP 3 => SELECT PREDEFINED CONFIGURATIONS

Profile selection will override individual servers configuration defined in step 4

Profile

select a simple predefined profile

Total filesystem capacity in TB

10

(Optional if you already picked a Profile in Step 3):

STEP 4 => DEFINE YOUR CONFIGURATION

Skip this step if Profile in Step 3 is Not None

Firewall

check to allow SSH into your servers

Allow SSH traffic

check to allow viewing filesystem status through web console

Allow HTTP traffic

Source IP ranges for SSH traffic

0.0.0.0/0

Restrict SSH access to some subnets. Default is to allow from all sources

Source IP ranges for HTTP traffic

0.0.0.0/0

Restrict HTTP access to some subnets. Default is to allow from all sources

Lustre Management Server (MGS)

Show Lustre Management Server (MGS) options

You can define/change MGS machine type and disk

Lustre Metadata Server (MDS)

Show Lustre Metadata Server (MDS) options

You can define/change MDS machine type and disk

Lustre Object Storage Server (OSS)

Show Lustre Object Storage Server (OSS) options

You can define/change OSS machine type and disk
Step 4 (cont):

**Lustre Management Server (MGS)**

**MGS machine type**  
4 vCPUs  15 GB memory  Customize

**MGS disk type**  
Select disk type for management target device.

- Standard Persistent Disk

**MGS disk size in GB**  
Enter disk size for management target device.

- 10

**Number of OSS instances**  
Enter number of object storage server.

- 2

**OSS machine type**  
8 vCPUs  30 GB memory  Customize

**OSS disk type**  
Select disk type for object storage target device.

- Standard Persistent Disk

**OSS disk size in GB (each)**  
Enter disk size for object storage target device.

- 2500

**Lustre Object Storage Server (OSS)**

**Number of OSS instances**  
Enter number of object storage server.

- 2

**OSS machine type**  
8 vCPUs  30 GB memory  Customize

**OSS disk type**  
Select disk type for object storage target device.

- Standard Persistent Disk

**OSS disk size in GB (each)**  
Enter disk size for object storage target device.

- 2500
STEP 5 => ENTER NUMBER OF CLIENT (optional, default is 1)

Number of client instances
Enter number of client instances (0 if no client is needed)

1

More

Enter number of compute clients you want to include in this deployment

You can define/change client machine type

Deploy

Click when you are ready!