



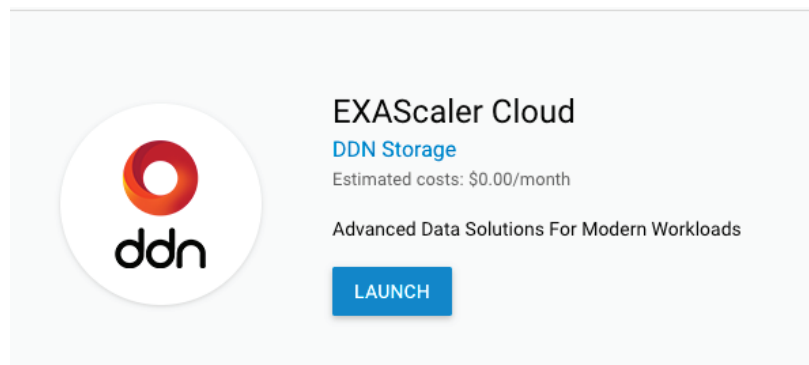
EXAScaler Cloud Quick Start Guide for Google Cloud Platform (GCP)

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".



Click on "LAUNCH"

Your current project may have limited quota. If your deployment fails, change the 'project' query parameter in this page's URL to a project with a higher quota.

Deployment name Enter deployment name of your choice
exascaler-cloud-1

Zone Select the zone that you want to deploy
us-central1-a

STEP 1 ==> SELECT NETWORK
Network Choose existing network
default

☒ Enable Router Check if you want a NAT

External IP Choose Ephemeral if you want to access to MGS Without a NAT
None

STEP 2 ==> ENTER FILESYSTEM NAME (default is "exacloud")
Filesystem name
exacloud

EXAScaler Cloud overview

Solution provided by DDN Storage

Software

Operating System	CentOS (7.7)
Software	EXA5 (5.0.1)

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By using this product, you understand that certain account and usage information may be shared with DDN Storage for the purposes of sales attribution, performance analysis, and support.

Google is providing this software or service "as-is" and will not perform any ongoing maintenance. Ongoing upgrades and maintenance are your responsibility.

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

Filesystem name ?

Enter filesystem name

exacloud

STEP 3 => SELECT PREDEFINED CONFIGURATIONS

Profile selection will override individual servers configuration define in step 4

Profile ?

Select a simple predefined profile

None

Total filesystem capacity in TB ?

Enter total filesystem capacity

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 ?

☒ Allow HTTP traffic ?

Check to allow viewing filesystem status
Through web console

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

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

More

You can define/change client machine type

Deploy

Click when you are ready!