

Cloud Edition for Lustre - Premier Support (8x5)

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About

The CloudFormation template will create a Lustre cluster and a single client that will automatically mount the newly created Lustre filesystem. Each cluster will include the specified number of Object Storage server (OSS) instances, as well as three additional instances for the Metadata server (MDS), Management server (MGS) and one client. These templates all deploy a cluster that uses Elastic Block Storage (EBS) storage for Lustre. The filesystem is not persistent, and is deleted with the stack.

The CloudFormation stack will complete successfully once the the filesystem has completed initializing and all the Object Storage Servers (OSS) nodes are formatted. If provisioning should fail, the stack will timeout and clean up resources after approximately an hour.

High Availability VPC Templates (v1.7.0)

The High Availability templates also run in a VPC, but these manage resources differently than the other templates which allows us to support HA without requiring any additional instances. In addition to creating the EBS volumes for Lustre, we also create a new Elastic Network Interface for each Lustre server, and associates that ENI with the EBS volumes used by that Lustre server. If an instance should fail, a replacement instance is launched by the autoscaler. When the new instance starts, it adopts the now orphaned network interface and the associated EBS volumes, and the failed Lustre service is resumed.

These templates create a new private subnet in an existing VPC, and also create a NAT gateway in an existing public subnet. The NAT gateway is required because the Lustre instances are using AWS services (such as DynamoDB and EC2 API) to coordinate the management of the Lustre filesystem. The gateway can also be used as an ssh host to access the Lustre subnet. There are three VPC-specific parameters:

VpcId - the ID of an existing VPC. The new Lustre subnet will be created here.

VpcPrivateCIDR - an available CIDR address range that will be used for the new Lustre subnet.

VpcPublicSubnetId - an existing public subnet in **VpcId**. A NAT gateway will be created in this subnet.

Premier Support

Template	Description	Launch in Asia Pacific (Mumbai)
ha	Create a highly available Lustre cluster in a VPC using C4 class instances and GP2 EBS volumes.	blocked URL
Template	Description	Launch in Asia Pacific (Seoul)
ha	Create a highly available Lustre cluster in a VPC using C4 class instances and GP2 EBS volumes.	blocked URL
Template	Description	Launch in Asia Pacific (Tokyo)
ha	Create a highly available Lustre cluster in a VPC using C4 class instances and GP2 EBS volumes.	blocked URL
Template	Description	Launch in Asia Pacific (Sydney)
ha	Create a highly available Lustre cluster in a VPC using C4 class instances and GP2 EBS volumes.	blocked URL
Template	Description	Launch in EU (Ireland)
ha	Create a highly available Lustre cluster in a VPC using C4 class instances and GP2 EBS volumes.	blocked URL
Template	Description	Launch in Asia Pacific (Singapore)
ha	Create a highly available Lustre cluster in a VPC using C4 class instances and GP2 EBS volumes.	blocked URL
Template	Description	Launch in EU (London)
ha	Create a highly available Lustre cluster in a VPC using C4 class instances and GP2 EBS volumes.	blocked URL
Template	Description	Launch in Canada (Central)
ha	Create a highly available Lustre cluster in a VPC using C4 class instances and GP2 EBS volumes.	blocked URL
Template	Description	Launch in US East (N. Virginia)

ha	Create a highly available Lustre cluster in a VPC using C4 class instances and GP2 EBS volumes.	blocked URL
Template	Description	Launch in US West (Oregon)
ha	Create a highly available Lustre cluster in a VPC using C4 class instances and GP2 EBS volumes.	blocked URL
Template	Description	Launch in US West (N. California)
ha	Create a highly available Lustre cluster in a VPC using C4 class instances and GP2 EBS volumes.	blocked URL
Template	Description	Launch in EU (Frankfurt)
ha	Create a highly available Lustre cluster in a VPC using C4 class instances and GP2 EBS volumes.	blocked URL
Template	Description	Launch in South America (Sao Paulo)
ha	Create a highly available Lustre cluster in a VPC using C4 class instances and GP2 EBS volumes.	blocked URL
Template	Description	Launch in US East (Ohio)
ha	Create a highly available Lustre cluster in a VPC using C4 class instances and GP2 EBS volumes.	blocked URL

Proxy Templates

Template	Description	Launch in Asia Pacific (Mumbai)
ha-proxy	Create a highly available Lustre cluster in a VPC using C4 class instances and GP2 EBS volumes.	blocked URL
Template	Description	Launch in Asia Pacific (Seoul)
ha-proxy	Create a highly available Lustre cluster in a VPC using C4 class instances and GP2 EBS volumes.	blocked URL
Template	Description	Launch in Asia Pacific (Tokyo)
ha-proxy	Create a highly available Lustre cluster in a VPC using C4 class instances and GP2 EBS volumes.	blocked URL
Template	Description	Launch in Asia Pacific (Sydney)
ha-proxy	Create a highly available Lustre cluster in a VPC using C4 class instances and GP2 EBS volumes.	blocked URL
Template	Description	Launch in EU (Ireland)
ha-proxy	Create a highly available Lustre cluster in a VPC using C4 class instances and GP2 EBS volumes.	blocked URL
Template	Description	Launch in Asia Pacific (Singapore)
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