

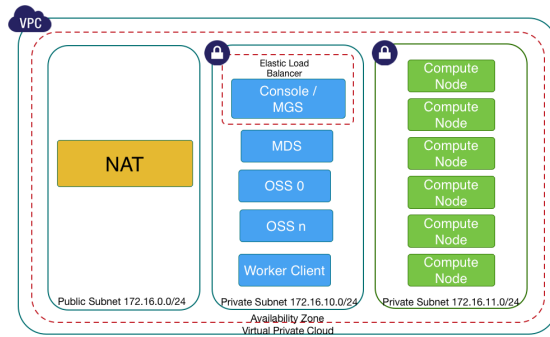
# Cloud Edition for Lustre on Amazon Web Services

## Cloud Edition - Documentation

The above link will take you to comprehensive documentation outlining specifics about the Amazon Web Services platform as well as how Lustre is deployed and used. For more direct instructions for getting started follow the **Launching Cloud Edition on AWS** instructions below.

## Frequently Asked Questions (FAQ)

Our FAQ covers questions that we commonly get from customers. Check here first for general inquiries, then contact us directly if you still have questions regarding the product or usage.



## Launching Cloud Edition on AWS

### Step 1 - Subscribe to a Product Version

The first step in using CE on AWS is to navigate to the Amazon Marketplace and subscribe to the product you will be using. The following products are available on the marketplace:

Subscribe: [Cloud Edition - Premier Support \(8x5\)](#)

Subscribe: [Cloud Edition - Self Support](#) (with Free Evaluation Instances)

### Step 2 - Launch a Cloud Formation Template

The DDN-Whamcloud Lustre AMI is designed to be used with a CloudFormation template that defines all the resources needed by the Lustre filesystem. The templates provided below have a minimal number of parameters to simplify deployment. To get started you only need to set the **KeyName** to your ssh-key, and set the **LustreAZ** to the specific Availability Zone in the region you are using. There is also a **Filesystem Name** parameter which defaults to "scratch" but this can be changed.

Launch: [Cloud Formation Templates - Premier Support \(8x5\)](#)

Launch: [Cloud Formation Templates - Self Support](#) (with Free Evaluation Instances)

### Step 3 - Setup Client Machines to Mount Lustre

The final step is installing the Lustre client on each of the compute nodes. This will allow them to mount and connect to the Lustre filesystem.

Setup Clients: [Cloud Edition for Lustre software - Client Setup](#)

## Product Versions & Features

There are currently three product versions available on AWS. Below is a listing of the versions as well as the associated features.

### Premier Support (8x5 U.S. - Pacific Time)

This product offering is our high-end option with support from the Lustre experts at Whamcloud. It includes IPsec over-the-wire encryption, EBS encryption, Enhanced Networking, and C3 and C4 compute optimized instances as well as m4.10xlarge instances. Enhanced Networking provides SRIOV, which allows an physical device to be virtualized and connected directly to a virtual machine. This provides lower latency and more consistent performance.

### Self Support (with T2 Evaluation Instances)

This product offering provides the same features as the Premier Support product, but without the included support from Whamcloud. It includes IPsec over-the-wire encryption, EBS encryption, Enhanced Networking, and C4, and M5 instances. Also includes Enhanced Networking (SRIOV), and provides lower latency and consistent performance.

**The self support product can now be used with "Free Tier" T2 instances for product evaluation.** Please note that performance of the T2 instances will be much lower than that of other instance types. Because of this, it's recommended that production performance analysis be done on C4 instances for best results.

Features	Self Support	Premier Support (8x5)
Whamcloud Support	none	yes, 8x5 PST
Free Eval Instances	T2	none
Std Instance Types	C4, M5	C4, M5
EBS Storage	yes	yes
EBS Encryption	yes	yes
IPsec Encryption	yes	yes
VPC*	yes	yes
Enhanced Networking**	yes	yes

\* Contact Whamcloud support for information on using these features

\*\* Enhanced Networking is only supported with C3 and C4 instances

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## Support Details

Product versions containing **Premier Support** are supported by the Lustre experts at Whamcloud. Product support includes 8x5 PST phone & email support for filing tickets as well as the latest software updates, patches, and fixes to ensure a stable, flexible, and robust storage environment that leverages the benefits of cloud-based infrastructure.

To file a support ticket:

- Or contact us by [Email](#)
- Or create a new support ticket directly by requesting a JIRA account and filing your ticket in the [AWS project](#)

Please provide your name, AWS ID, contact information, and a description of your issue and our support team will work to resolve your issue.

For other questions please contact us at [info@whamcloud.com](mailto:info@whamcloud.com)

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