

NexLog
Advanced Recording Solutions



NexLog DX-Cloud
AWS Deployment Guide
Version 2025.2[6460]

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1. INTRODUCTION

The purpose of this documentation is to establish requirements and provide a step-by-step tutorial on AWS deployment.

1.1. Requirements

In order to deploy a NexLog DX recording into AWS, you will need the following:

- NexLog DX AMI
- Storage Partition Patch

1.2. Delivery

Eventide Communications hosts an image of the latest NexLog DX on AWS. The image sharing is done through providing Eventide Communications with the customer's account ID, and using AWS's built in AMI sharing to give the customer the AMI.

Eventide Communications will provide the following:

- NexLog DX AMI
- Storage Partition Patch

2. IMAGE SHARING

Prior to this document, the customer's AWS account should have already received the NexLog DX AMI.

They can verify this by logging into their AWS account and doing the following:

1. Navigate to EC2 → AMIs.
2. Select the dropdown containing "Owned By Me" and select "Private Images".

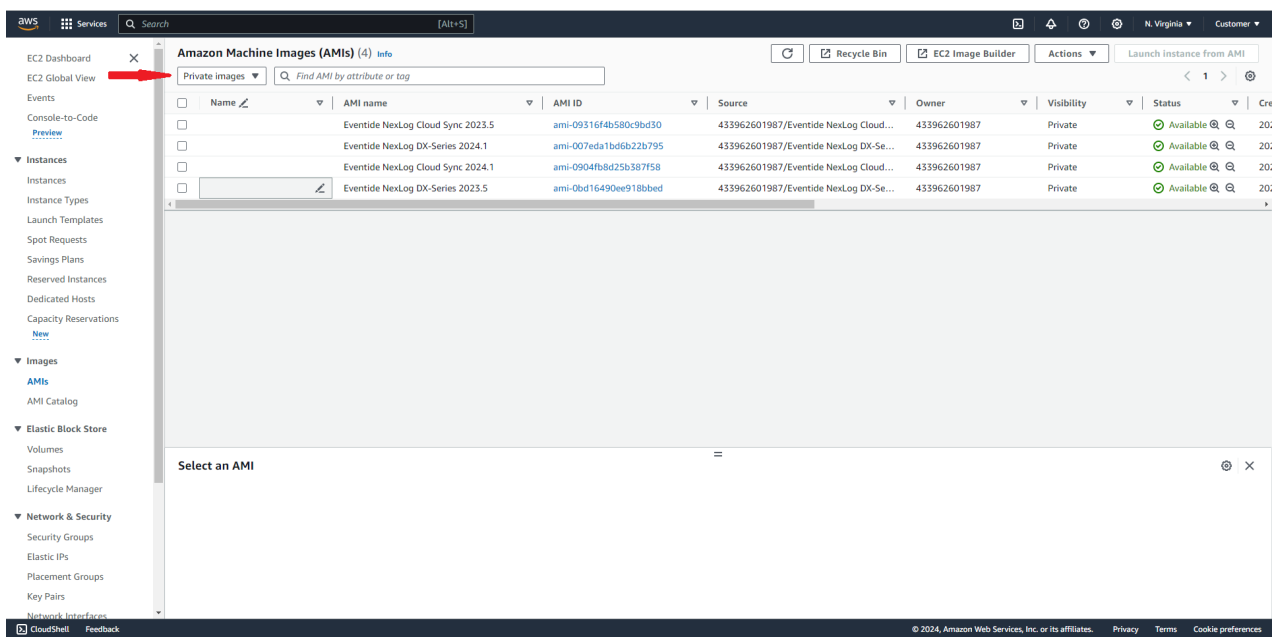


Fig. 2.1 Private Images

The NexLog DX AMI will appear in the list of images.

3. CREATE THE VM

Now that we have verified that the NexLog DX AMI has been shared, please click on “Launch Instance from AMI” at the top right corner of the webpage.

3.1. Configuring the NexLog DX Deployment

Below are the recommended settings for the NexLog DX Deployment:

Name and Tags: Put in the name for the NexLog DX Deployment.

Application and OS Images (Amazon Machine Image): This is already filled out. Please do not change.

Instance Type: t3a.xlarge

Key Pair (Login): Proceed without a key Pair.

Network Settings: Please assign network settings according to the customer's policies.

Configure Storage: gp2 with 200GB of space.

4. LICENSING THE NEXLOG DX

The NexLog DX you have just created is created from an AMI that is completely blank. Meaning, the recorder does not have a serial number or any licenses on it. You must now add the license keys.

Navigate to System → License Keys → Modify Key. Click on the Licensing Method drop down box and select “Remote License Server.” Now, fill out the necessary information based on the given license information.

The screenshot displays the NexLog DX web interface. The top header includes the NexLog DX logo, the text 'Communications Recording Solutions', the date '2023.1/30/05', and the Eventide logo with a notification for '2 Active Alarms' and a 'Logout' link. A left sidebar contains a menu with options: Home, System, System Info, Date and Time, License Keys (highlighted), Storage Devices, Translations, Configuration Files, System Diagnostics, Upgrade, Power Off, Networking, Recording, and Archiving. The main content area is titled 'MODIFY LICENSE KEY' and contains two sections. The first section has input fields for 'License Key:' and 'Serial Number:' (with a value of '0'). The second section, titled 'LICENSING METHOD', has a dropdown menu for 'Licensing Method' set to 'Remote License Server', and input fields for 'Server IP:' and 'VM SWID:'. At the bottom of this section are 'Save' and 'Cancel' buttons.

Fig. 4.1 Primary License

Once it's all filled out, click on save.

Now you can add your other license keys by clicking the “Add Key” and inputting the appropriate license keys.

5. CONFIGURING STORAGE

This section is for the purpose of understanding how to configure storage on NexLog DX-Cloud (AWS).

We currently create 4 partitions when we install our software onto a recorder:

- Root: Contains everything the operating system will have
- Log: Contains the log files for the recorder. Under /var/log
- Config: Contains all our configuration files
- Storage: Contains everything from our media (calls) and our database

The point of configurable storage mounts is so that we can put these partitions on different devices. It's advisable to put the storage partition on an HDD. This is for cost saving.

5.1. Creating a Volume

From the AWS homepage, navigate to the search bar at the top and type in "volumes". The webpage should automatically find the Volumes page for you under "Features". Click on it to access the Volumes console.

On the right of the Volume console, click on the orange button called "Create volume". This will navigate you to a webpage where you can configure the creation of your volume.

Volume Type: st1

Size (GiB): Whatever size it is licensed for

Availability Zone: Choose the same availability zone that your NexLog DX-Cloud is in

Snapshot ID - optional: Don't create volume from a snapshot

Click on the orange "Create volume" button to create the volume.

5.2. Attaching a Volume to your Instance

The webpage will automatically take you back to the Volume console. In order to find your newly created volume, click on the “Created” column header twice to sort by newest. Your newly created volume should be at the top.

Hover over the blank space in the name column and click on the edit button. A window will pop up that will let you insert a name for the volume. Please insert an appropriate name and hit save.

Next, click on the Volume ID of that volume in order to access the volume’s properties. In the top right, there is a white “Actions” buttons. Click on that for a dropdown menu, and click on “Attach volume”.

Here you can choose which instance to attach this volume to. In the instance box, click on it and search for the name of your instance. Select your instance and click on the orange “Attach volume” button at the bottom to attach your volume.

Please reboot your NexLog DX-Cloud for it to recognize the new volume.

5.3. Formatting Volumes

Now that your volume is created and attached, you must now create its partitions.

Go to your NexLog DX-Cloud Configuration Manager. Navigate to the Disk Utility tab by navigating to, System → Storage Devices → Disk Utility Tab. There should be a new device with no partitions in it. You will be able to select the device and click “format/resize”.

Note

Do not worry about the device names changing after a reboot. Just find the device that does not have partitions on it yet.

Here you will create the partition sizes. For partition name, put whatever you would like. Preferably it describes what the partition is for. For size, put the size of the partition. Click on “Format” when you are done.

Eventide Communications recommends creating one large partition that is the entirety of the newly volume created. You will be mounting our storage partition onto it in the next section.

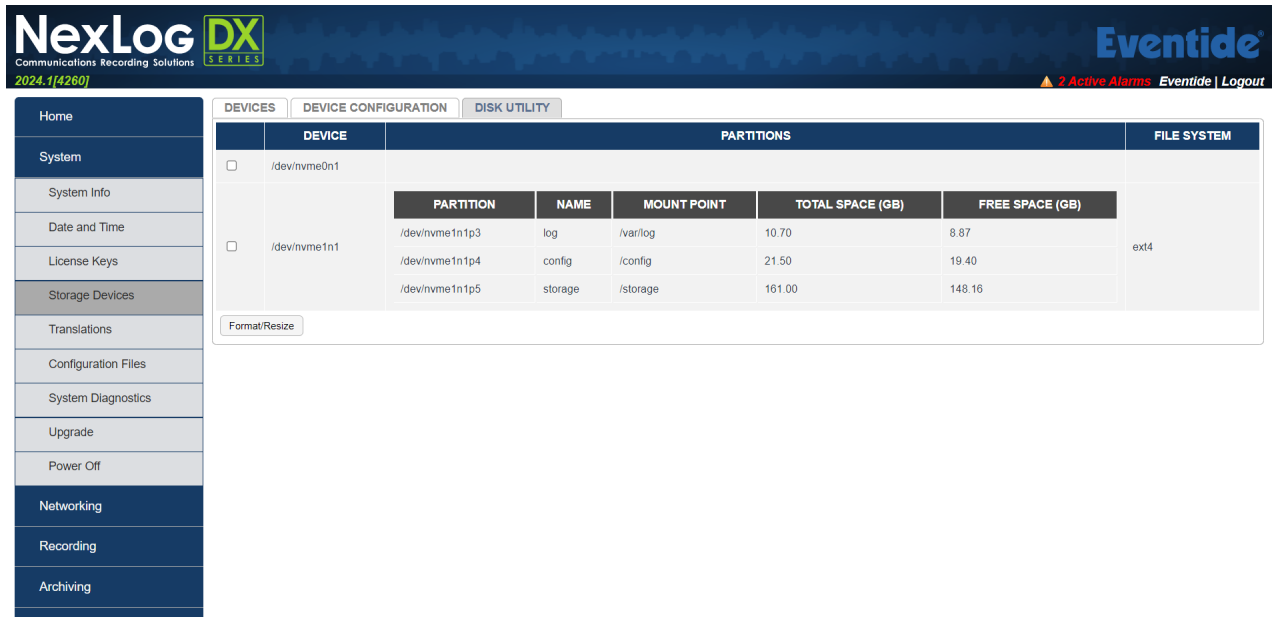


Fig. 5.1 Disk Utility

Note

Once you create the partitions, you can only edit the last partition. Partitions before the last one will become non-editable.

The recorder will now automatically reboot. Check back at the Disk Utility tab to make sure that the volumes have been created.

5.4. Choosing your Mount Point

Now that we have our partitions created, we have to choose the mount point for those partitions. These mount points are:

- OS
- Storage/Media
- Database
- Logs

Navigate to Device Configuration by going to, System → Storage Devices → Device Configuration Tab. For each location, click on the dropdown menu and choose which partition you want to mount to.

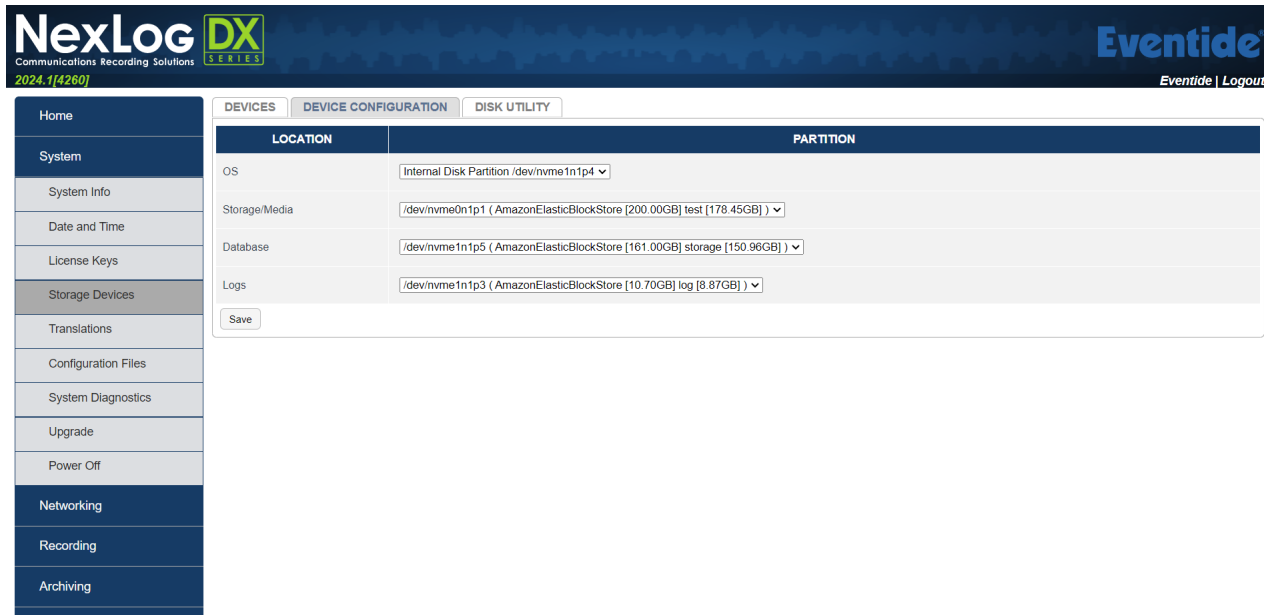


Fig. 5.2 Device Configuration

Eventide Communications recommends moving the Storage/Media mount point to the newly created partition on the new volume.

Click on save and confirm. The NexLog DX-Cloud will reboot.

5.5. Expanding the Database Partition

After the reboot, log back into your NexLog DX-Cloud. Now that the Storage/Media mount point has been moved to a new volume, we will need to fill the rest of the space in the initial volume.

Go back to the Disk Utility tab and select the first drive to “format/resize”. Expand the database partition to fill the remaining space in the drive. Click on “Format” when you are done.

The recorder will now automatically reboot. Check back at Disk Utility tab to make sure that the partition has been expanded.

6. QUICK INSTALL GUIDE

6.1. Default Login

The recorder is configured from the factory with 1 administrative account.

Username: Eventide Password: 12345

We recommend immediately changing the administrative account's password.

6.2. Configuring the NexLog DX-Cloud

All network and recording configuration is completed via the Configuration Manager at the system console OR a network connected web browser.

The screenshot displays the NexLog DX-Cloud web interface. The top header features the NexLog DX logo on the left, the Eventide logo on the right, and a status bar indicating '2 Active Alarms' and a 'Logout' link. A left-hand navigation menu lists various system functions: Home, System (with sub-items like System Info, Date and Time, License Keys, Storage Devices, Translations, Configuration Files, System Diagnostics, Upgrade, and Power Off), Networking, Recording, and Archiving. The main content area is titled 'MODIFY LICENSE KEY' and contains two sections. The first section, 'MODIFY LICENSE KEY', has input fields for 'License Key' and 'Serial Number' (containing '0'). The second section, 'LICENSING METHOD', includes a dropdown menu for 'Licensing Method' (set to 'Remote License Server'), and input fields for 'Server IP' and 'VM SWID'. At the bottom of this section are 'Save' and 'Cancel' buttons.

Fig. 6.1 Primary License

6.3. Recorder Setup

The following checklist are recommended minimal configuration steps to ensure reliable performance and satisfaction. For more information on Recorder Setup, consult the NexLog DX Manual.

- Verify your licenses
- Synchronise the date and time
- Configure recording resources (DX Manual 7.3)
- Configure email notifications
- Add IP destination, user, and set permissions
- Configuring backups/archives
- Export the system configuration

For instructions on how to do above, refer to the NexLog DX-Series Manual. This can be found in Configuration Manager → Utilities → Documents.

For instructions on how to use MediaWorks, refer to the MediaWorks DX Manual.

6.4. Contact

For technical support or service, contact the certified Eventide Communications Dealer you purchased your logging recorder from.

When contacting Eventide Communications Service department, please have your serial number available.

service@eventidecommunications.com

