



DW Cumulus is Digital Watchdog's cloud-based storage service for backup storage of events and object analytics in DW Spectrum Professional.

DW Cumulus Ubuntu OS Installation Quick Start Guide

Read Before Continuing

An onsite Internet connection must be available and support the total active camera bitrate. This statistic can be found in the *Storage Analytics* tab in the DW Spectrum Site's *Server Settings* menu.



This document is intended to serve as a quick reference for the initial installation of a DW Cumulus for DW Spectrum Professional. For DW Spectrum features and functionality, refer to the full User Guide.

Installing DW Cumulus

Cumulus is Digital Watchdog's cloud-based storage service for backup storage of events and objects in DW Spectrum.

The on-site internet connection must be available and support **three times** the **total active camera bitrate**. This statistic can be found in the **Storage Analytics** tab in the DW Spectrum site's **Server Settings** menu.

For example, a 2 megapixel camera recording at 30 frames per second at high quality produces a bitrate of about 5 megabits per second (Mbps). For optimal performance, the upload speed of the internet connection to upload data from this camera must be 15 Mbps or more.

Use the following table as a guide to determine the total number of cameras on a **DW-BJDX11xT-LX** running Cumulus.

Resolution	Total cameras
2 MP	16
4 MP/5 MP	4
4K(8MP)	2

Installation Instructions

Part 1: Install the DW Cumulus Plugin

The following instructions will guide the reader through installing DW Cumulus for a DW Spectrum server running on an Ubuntu operating system.

1. Open the **Terminal** (Ctrl+Alt+T) application and use the following command to log in as the local super user:

```
sudo su
```

2. Enter the password for super user access when prompted. The password will not display as it is entered into the Terminal application.

Default password: Dw5pectrum

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```
dwuser@bjdx: ~  
dwuser@bjdx:~$ sudo su  
[sudo] password for dwuser: 
```

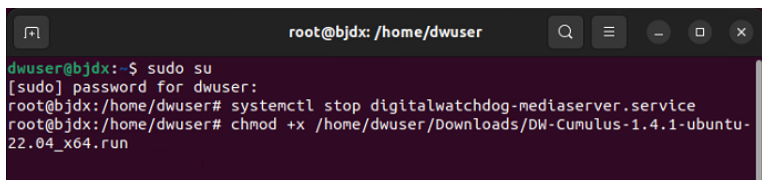
3. Enter the following command to stop the DW Spectrum Media Server:

```
systemctl stop digitalwatchdog-mediaserver.service
```

4. Run the "**chmod +x**" command on the DW Cumulus **.RUN** file. For example, if the

```
chmod +x /home/ddwuser/Downloads/DW-Cumulus-1.2.0-ubuntu-22.04_x64.run
```

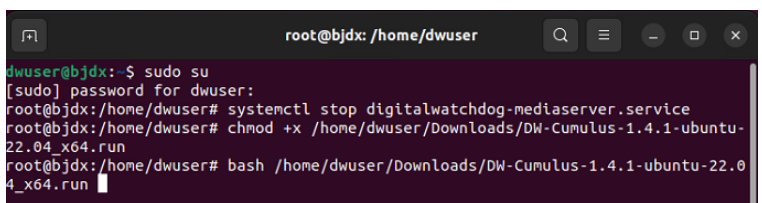
installation file is stored in your *Downloads* folder:



```
root@bjdx: /home/dwuser  
dwuser@bjdx:~$ sudo su  
[sudo] password for dwuser:  
root@bjdx:/home/dwuser# systemctl stop digitalwatchdog-mediaserver.service  
root@bjdx:/home/dwuser# chmod +x /home/dwuser/Downloads/DW-Cumulus-1.4.1-ubuntu-  
22.04_x64.run
```

5. Run the "**bash**" command, followed by the file path and name of the DW Cumulus file to start the installation. For example, if the installation file is stored in your *Downloads* folder:

```
bash /home/dwuser/Downloads/DW-Cumulus-1.4.1-ubuntu-22.04_x64.run
```



```
root@bjdx: /home/dwuser  
dwuser@bjdx:~$ sudo su  
[sudo] password for dwuser:  
root@bjdx:/home/dwuser# systemctl stop digitalwatchdog-mediaserver.service  
root@bjdx:/home/dwuser# chmod +x /home/dwuser/Downloads/DW-Cumulus-1.4.1-ubuntu-  
22.04_x64.run  
root@bjdx:/home/dwuser# bash /home/dwuser/Downloads/DW-Cumulus-1.4.1-ubuntu-22.0  
4_x64.run
```

6. Allow the installation to be completed. Once finished, a confirmation message will appear in the *Terminal* window.

Part 2: Integrate the DW Spectrum Site

The following instructions will guide the reader through integrating DW Cumulus with DW Spectrum:

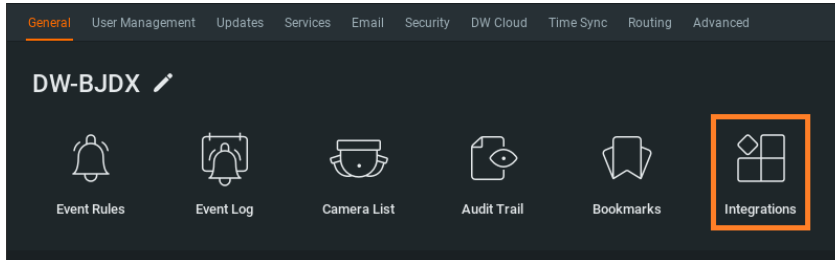
1. Use the following command to start the Spectrum Media Server.

```
systemctl start digitalwatchdog-mediaserver.service
```

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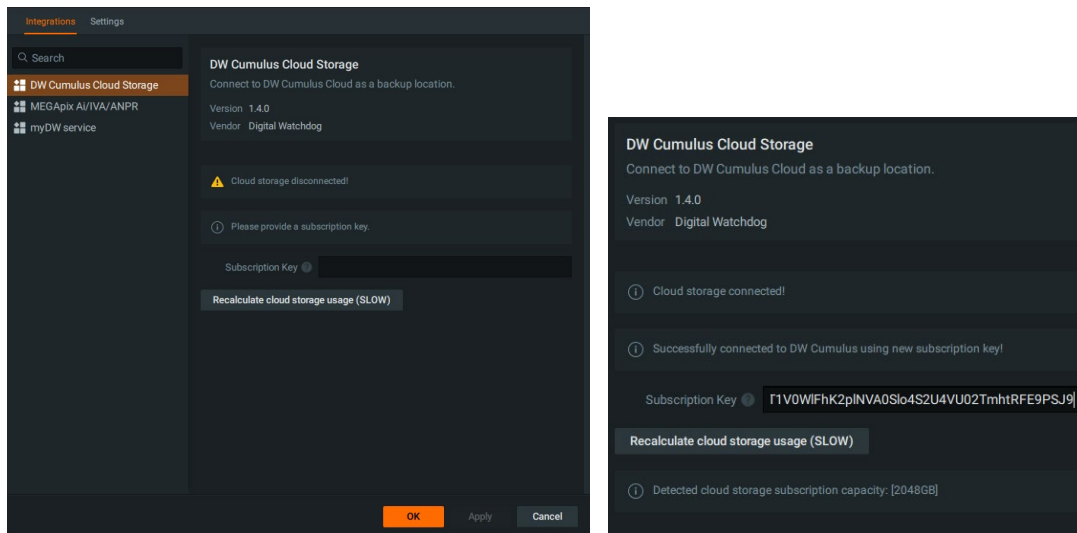
```
root@bjdx:/home/dwuser# systemctl start digitalwatchdog-mediaserver.service
root@bjdx:/home/dwuser#
```

2. Launch the DW Spectrum client and open the **Site Administration** menu. In the *General* tab, select the **Integrations** tile.

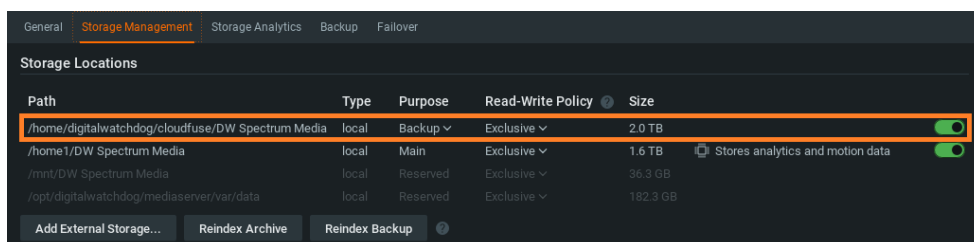


3. Select **DW Cumulus Cloud Storage** from the plugins panel, then enter the **Subscription Key** for the DW Cumulus subscription.

4. Click the **Apply** button to save the settings. Verify that the Cloud Storage information is connected and the storage capacity is correct before closing the window.

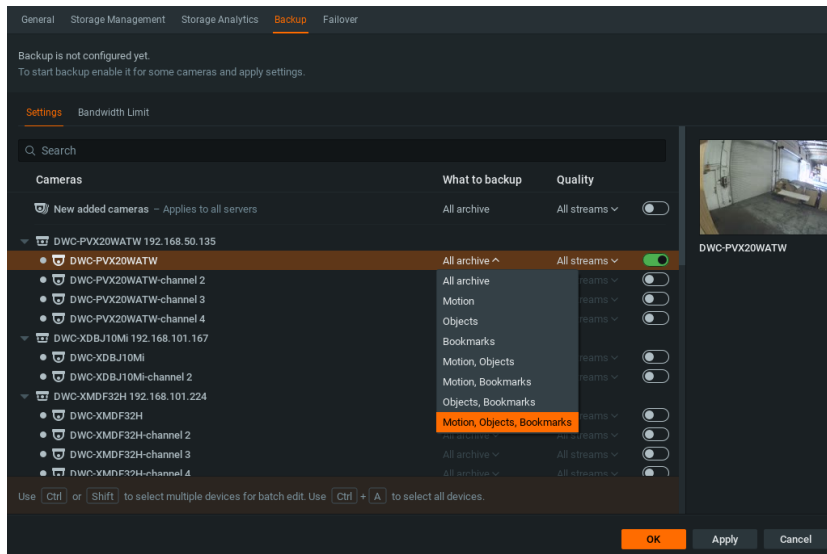


5. Open the **Server Settings** menu and select the **Storage Management** tab. The Cumulus Cloud Storage will appear as **/home/digitalwatchdog/cloudfuse/DW Spectrum Media** as a "local" type storage. Click the slider  to enable Cumulus Cloud Storage and set the **Purpose** setting to **"Backup"**.



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6. Open the **Backup** tab and select the cameras using the toggles in the **What to Backup** setting column. Click **Apply** to save the settings.



7. Backup will begin automatically.

