



**Quick Start Guide**

**Of**

**Hikvision IP Camera & QNAP NAS**

**Connection**

*QNAP, Inc.*



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## **Tested Models**

**DC-2CD4132FWD-IZ**

**DS-2CD2432F-IW**

## **Tested NAS Firmware**

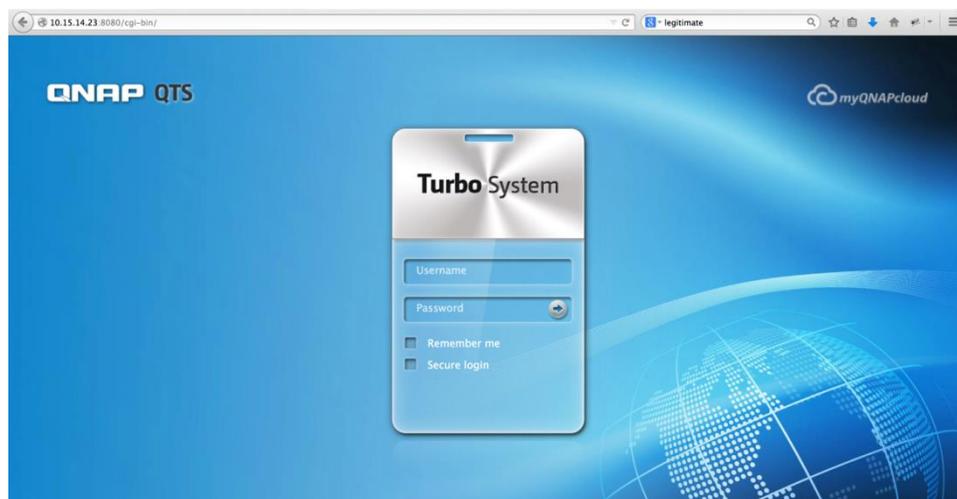
**QTS 4.1 or above**



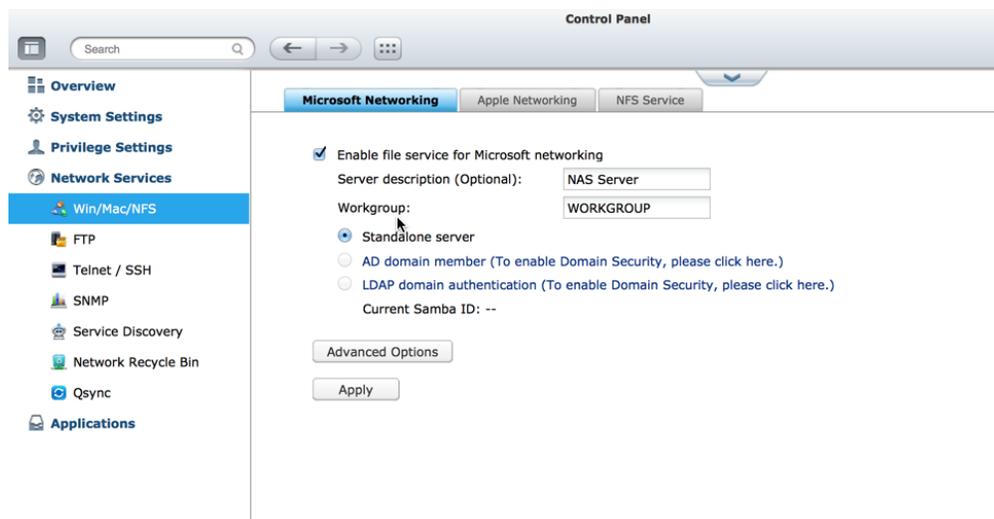
## Adding QNAP Turbo NAS to DC-2CD4132FWD-IZ via SMB/CIFS

### Set up SMB/CIFS Service on QNAP Turbo NAS

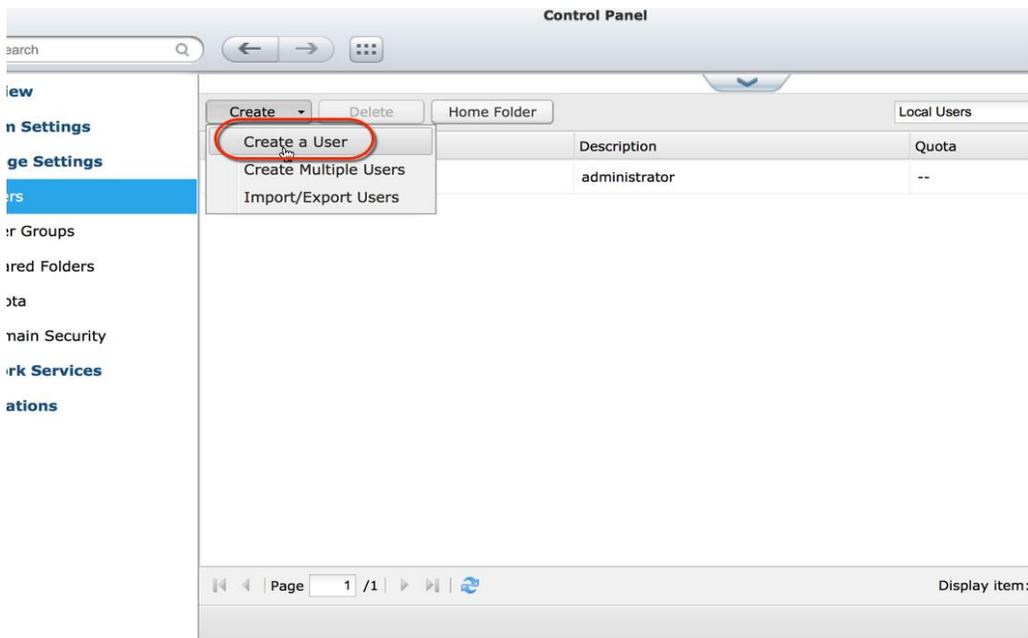
1. Log onto the web page of QNAP Turbo NAS. In this example, the IP address of NAS is 10.15.14.23:8080 (default username/password: admin/admin)



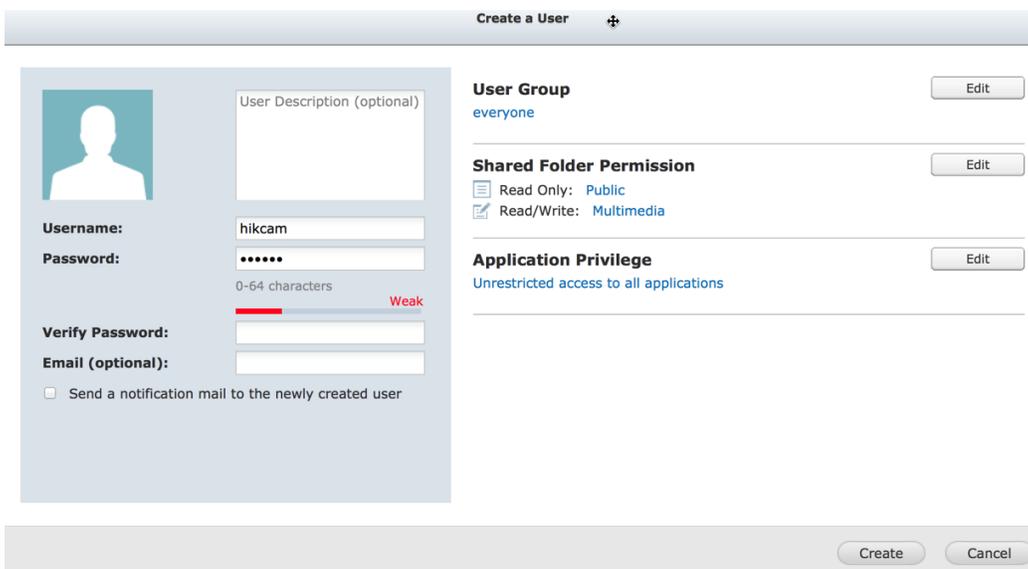
2. Enable **Microsoft networking** service. Navigate to **Control Panel > Network Service > Win/Mac/NFS**. Check the box for **Enable file service for Microsoft networking**



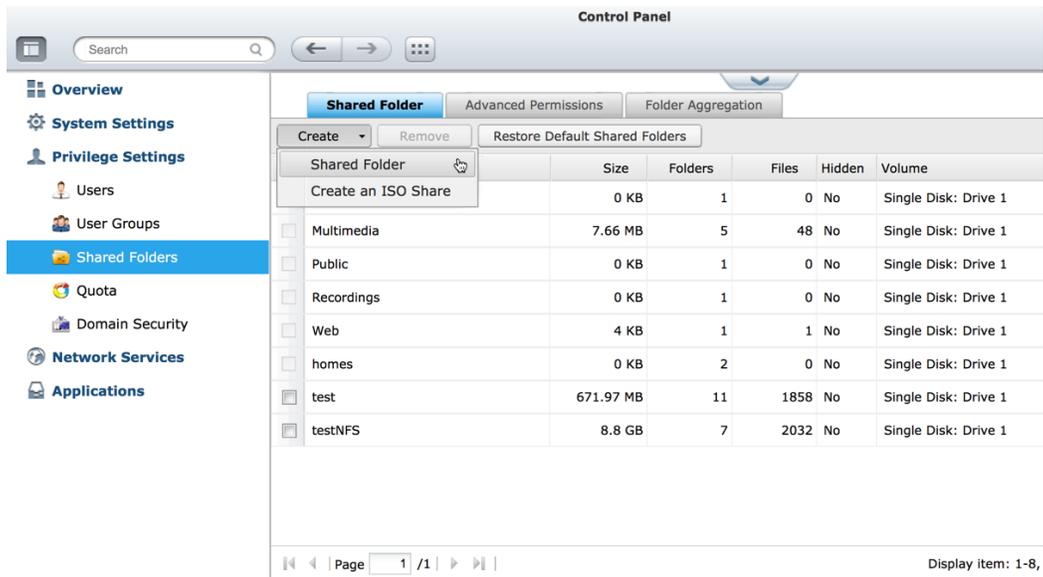
3. Open the Control Panel, and navigate to **Privilege Settings > Users**. Click **Create > Create a User** to start creating a user



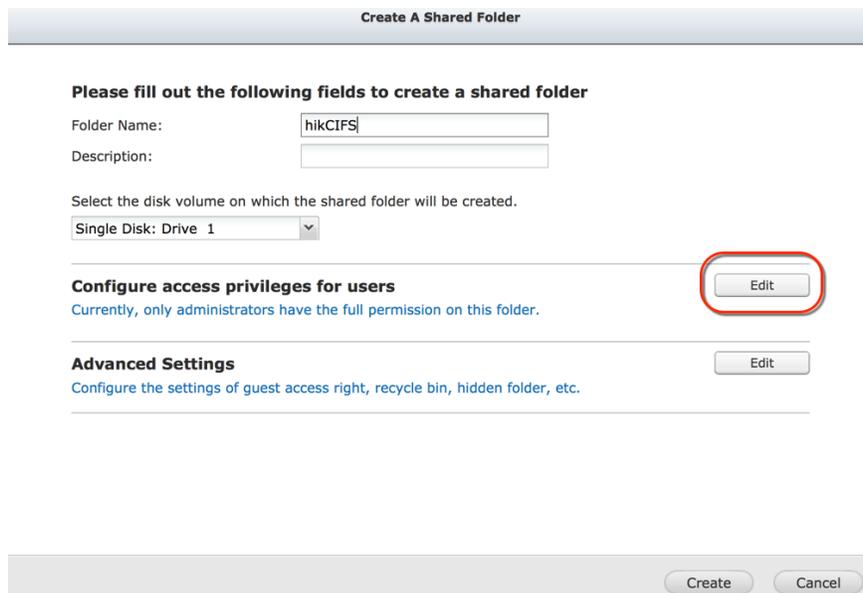
4. Enter username & password and press **Create** to create a user. Ex: hikcam. (This will be used when setting up Hikvision's camera)



5. Navigate to **Privilege Settings > Shared Folders**, and click **Create** to start.



6. Enter the folder name (Ex: hikCIFS (*The folder name will be used when setting up the Hikvision's camera*)) for storing the video recording. Click **Edit** to modify the access privileges of the folder.



7. Enable the **RW (Read/Write)** access for the user (Ex: hikcam)

**Create A Shared Folder**

Select the disk volume on which the shared folder will be created.

Single Disk: Drive 1

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**Configure access privileges for users** Close

User name	Preview	RO	RW	Deny
admin	Read/Write	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
hikcam	Read/Write	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

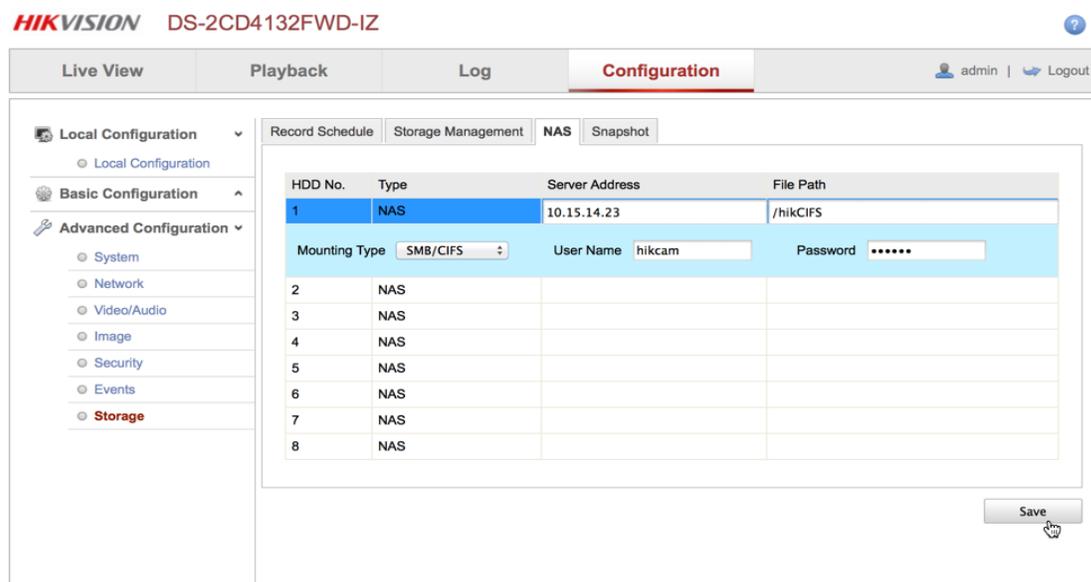
Page 1 / 1 | Display item: 1-2, Total: 2

Create Create Cancel

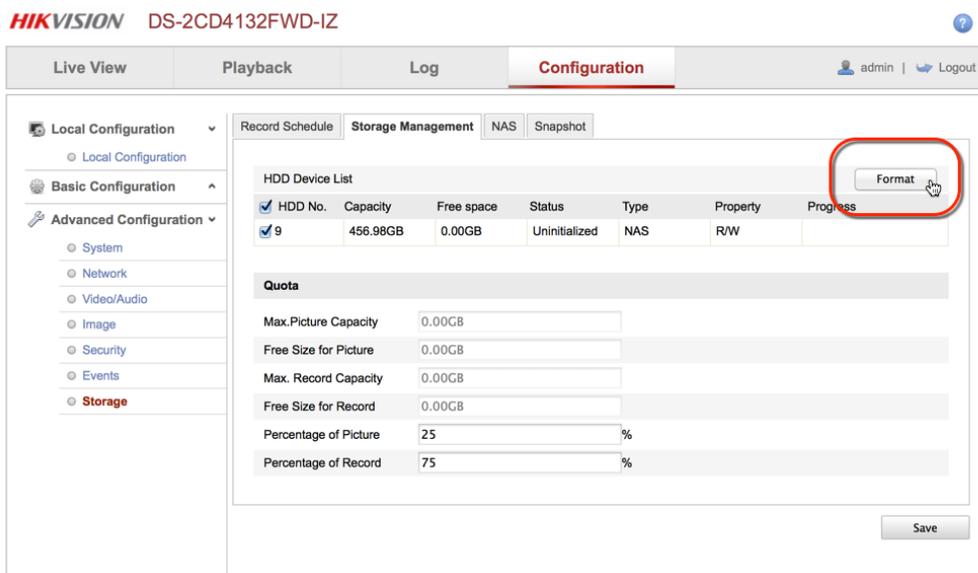
## Add NAS to Hikvision camera (DS-2CD4132FWD-IZ)

1. Log in web page of DS-2CD4132FWD-IZ. Navigate to **Advanced Configuration > Storage > NAS**. Enter the IP address of NAS. **(In this example, the IP address of NAS is 10.15.14.23)**, the path of the share volume **(/hikCIF)\***, username and the password **(hikcam/hikcam: username/pw)\***, choose **SMB/CIFS** and click **Save**.

\* The folder name was configured at step 5, and username/password was configured at step 4.



2. Navigate to **Advanced Configuration > Storage > Storage Management**. Click **Format** to initialize the system.



3. The formatting time will vary according to the capacity of the shared volume. The recording to the NAS will automatically start once the formatting is done.

The screenshot shows the QNAP web interface for a DS-2CD4132FWD-IZ camera. The top navigation bar includes 'Live View', 'Playback', 'Log', and 'Configuration' (selected). The user is logged in as 'admin'. The left sidebar shows 'Local Configuration', 'Basic Configuration', and 'Advanced Configuration' (with 'Storage' selected). The main content area has tabs for 'Record Schedule', 'Storage Management', 'NAS', and 'Snapshot'. The 'Storage Management' tab is active, showing an 'HDD Device List' table and a 'Quota' section.

HDD No.	Capacity	Free space	Status	Type	Property	Progress
9	456.98GB	431.75GB	Normal	NAS	R/W	

**Quota**

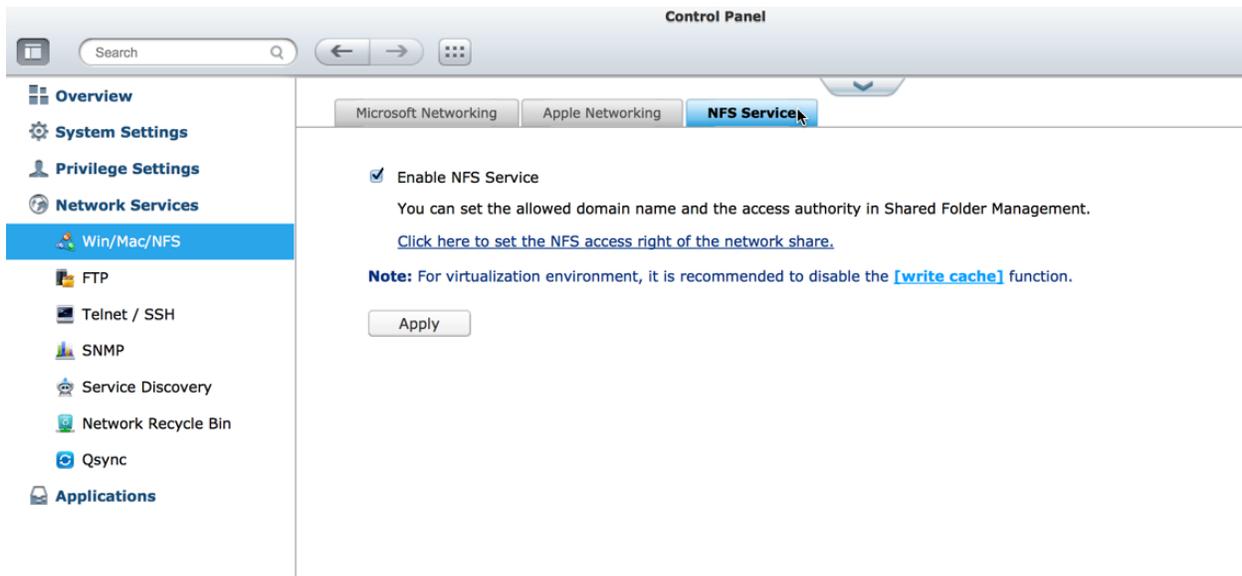
Max. Picture Capacity	108.00GB
Free Size for Picture	108.00GB
Max. Record Capacity	324.00GB
Free Size for Record	323.75GB
Percentage of Picture	25 %
Percentage of Record	75 %

Buttons: Format, Save

## Adding QNAP Turbo NAS to DC-2CD4132FWD-IZ via NFS

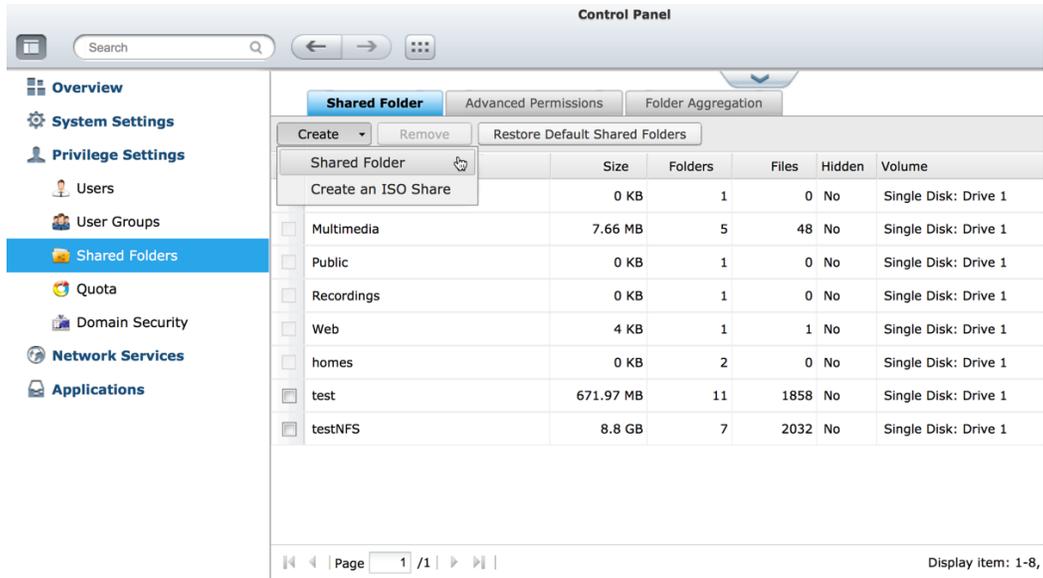
### Set up NFS Service on QNAP Turbo NAS

1. Enable NFS service. Navigate to **Control Panel > Network Services > Win/Mac/NFS**. Check the **Enable NFS Service**





2. Create a shared folder for NFS access. **Navigate to Control Panel > Privilege Settings > Shared Folders.** Click **Create** to create a folder.



3. Enter the folder name. (Ex: hikNFS)

### Create A Shared Folder

**Please fill out the following fields to create a shared folder**

Folder Name:

Description:

Select the disk volume on which the shared folder will be created.

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**Configure access privileges for users** Edit

Currently, only administrators have the full permission on this folder.

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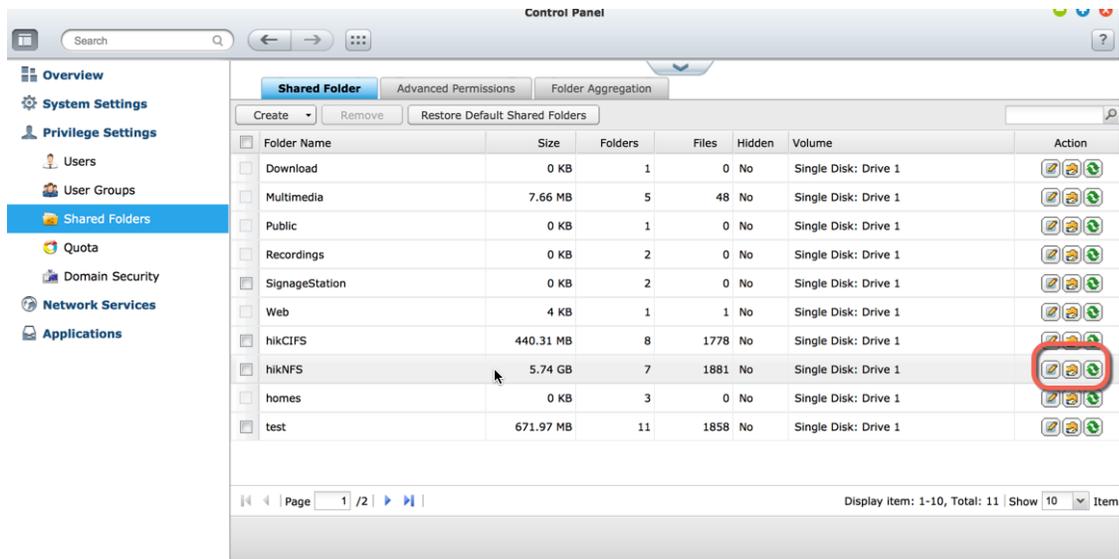
**Advanced Settings** Edit

Configure the settings of guest access right, recycle bin, hidden folder, etc.

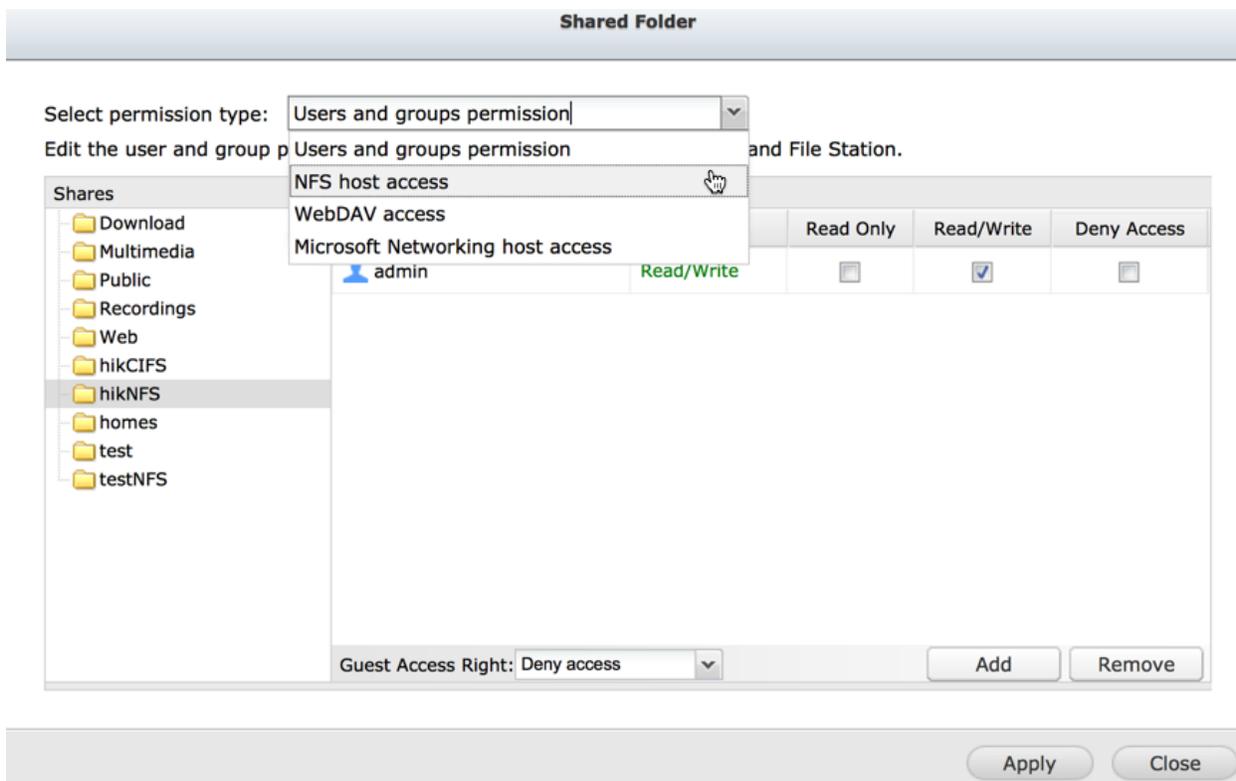
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Create Cancel

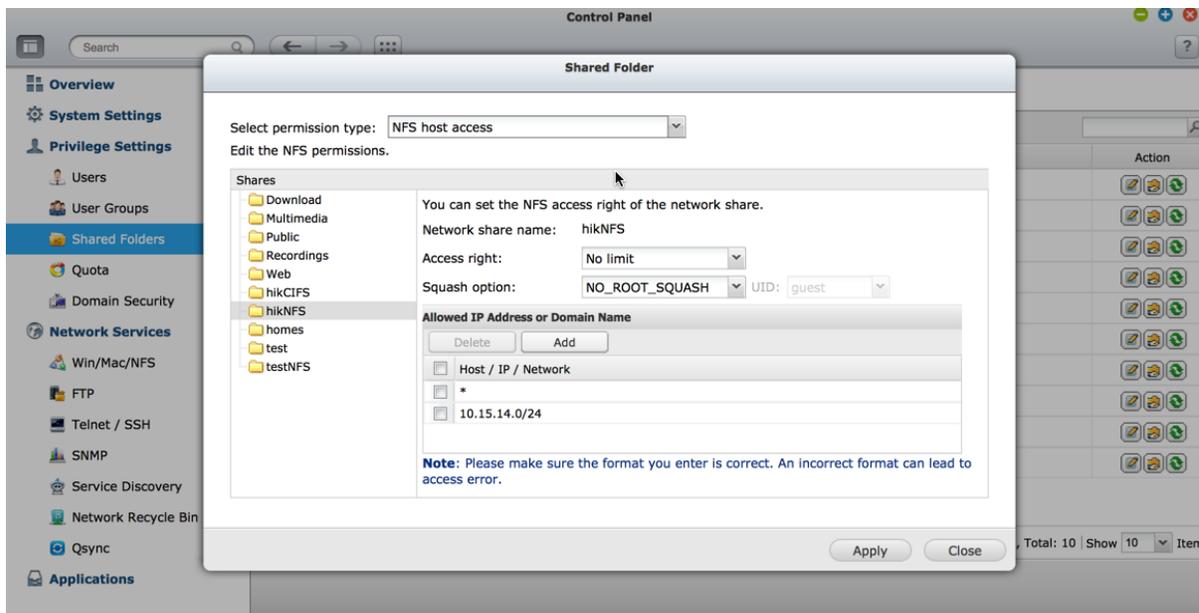
4. Navigate to **Control Panel > Privilege Settings > Shared Folder**. Click the **ICON** to open the access control page.



5. Select **NFS host access** to setup NFS access right.



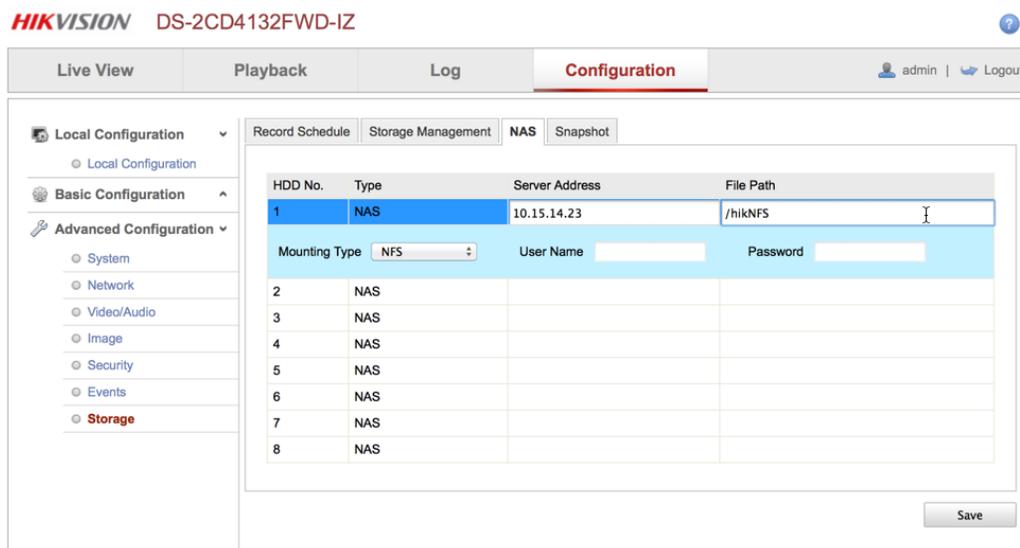
6. Enter the IP field which is able to access this NAS. (Ex:10.15.14.0/24 (IP ADDRESS/MASK): 10.15.14.1 ~ 10.15.14.254)



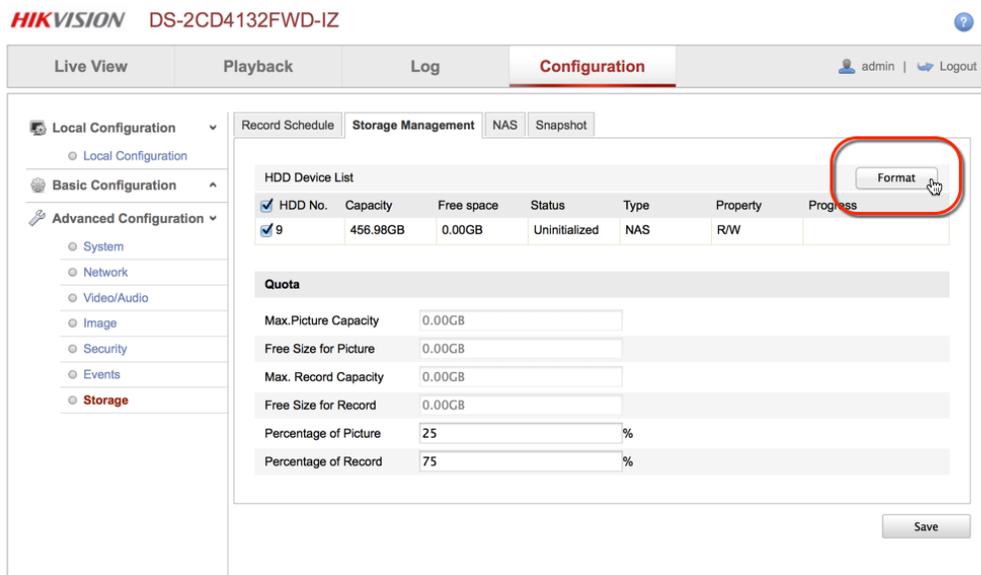
## Add NAS to Hikvision camera (DS-2CD4132FWD-IZ)

1. Log in web page of DS-2CD4132FWD-IZ. Navigate to **Advanced Configuration > Storage > NAS**. Enter the IP address of NAS (In this example, the IP address of NAS is 10.15.14.23), the path of the share volume (/hikNFS)\*, choose **NFS** as Mounting Type and click **Save**.

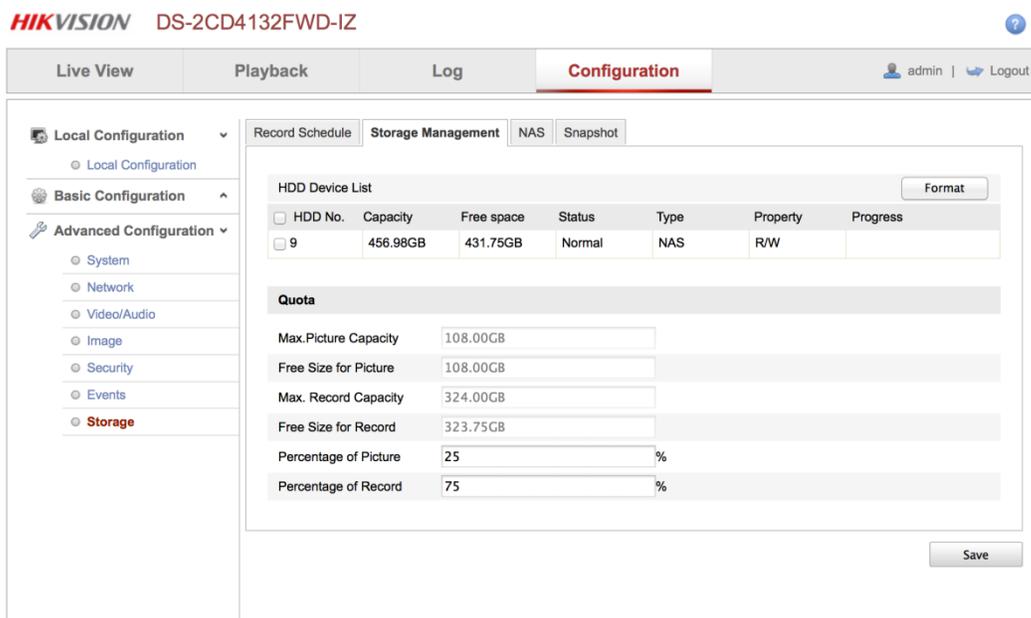
\* The folder name was configured at step 3. The NFS does not require log in credentials but the access security has to be configured on Turbo NAS.



2. Navigate to **Advanced Configuration > Storage > Storage Management**. Click **Format** to initialize the system.



3. The formatting time will vary according to the capacity of the shared volume. The recording to the NAS will automatically start once the formatting is done.



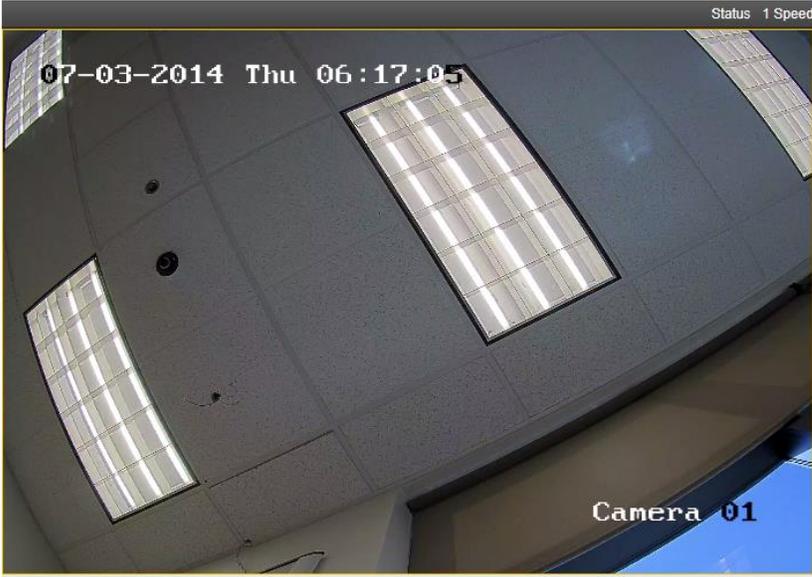
## How to playback the surveillance video stored on NAS

### Directly playback through Hikvision camera page

Log on to web page of DS-2CD4132FWD-IZ. Navigate to **Playback**. Select the date and click **Search**. (Tested on IE only)

HIKVISION DS-2CD4132FWD-IZ

Live View **Playback** Log Configuration admin | Logout



07-03-2014 Thu 06:17:05

Camera 01

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

01:00 02:00 03:00 04:00 05:00 06:00 07:00 08:00 09:00 10:00 11:00 12:00

2014-07-03 06:17:04

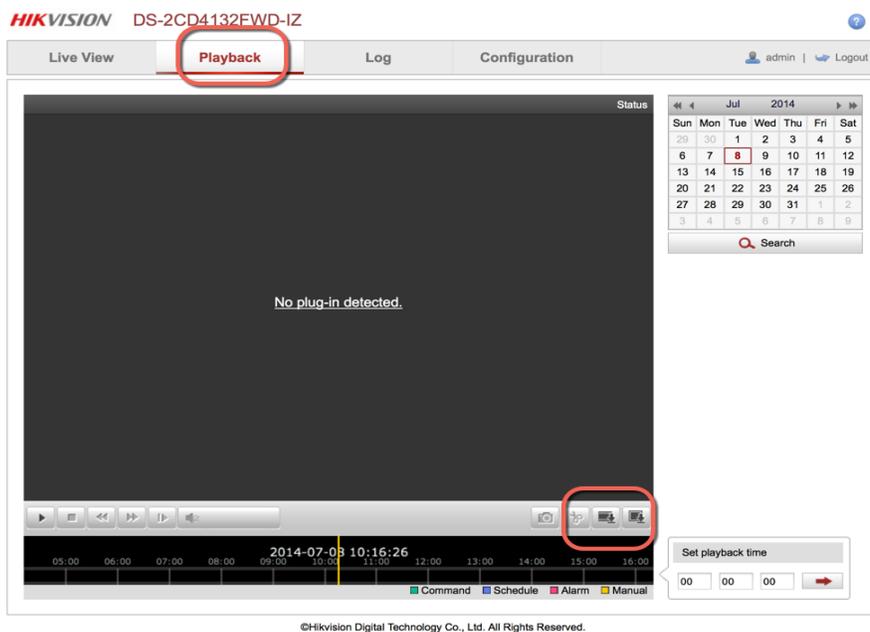
Command Schedule Alarm Manual

Set playback time 00 00 00

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## Download surveillance video files from NAS

Log on to web page of DS-2CD4132FWD-IZ. Navigate to **Playback**. Click on the **download icon**. (Tested on IE, Safari, Firefox, and Chrome)



Search the videos with specified **Start and End dates** and click **Download** to download the selected video

No.	File Name	File Date	File Size	Progress
1	ch01_0800000000000000	2014-07-02 15:15:51	248 MB	
2	ch01_0800000001000000	2014-07-02 15:36:02	248 MB	
3	ch01_0800000002000000	2014-07-02 15:56:05	248 MB	
4	ch01_0800000003000000	2014-07-02 16:16:07	248 MB	
5	ch01_0800000004000000	2014-07-02 16:36:12	247 MB	
6	ch01_0800000005000000	2014-07-02 16:56:10	247 MB	
7	ch01_0800000006000000	2014-07-02 17:16:10	248 MB	
8	ch01_0800000007000000	2014-07-02 17:36:20	248 MB	
9	ch01_0800000008000000	2014-07-02 17:56:20	248 MB	
10	ch01_0800000009000000	2014-07-02 18:16:30	248 MB	
11	ch01_0800000010000000	2014-07-02 18:36:12	248 MB	
12	ch01_0800000011000000	2014-07-02 18:52:07	248 MB	
13	ch01_0800000012000000	2014-07-02 19:08:14	248 MB	
14	ch01_0800000013000000	2014-07-02 19:20:49	248 MB	
15	ch01_0800000014000000	2014-07-02 19:31:00	248 MB	
16	ch01_0800000015000000	2014-07-02 19:47:24	248 MB	
17	ch01_0800000016000000	2014-07-02 20:00:42	249 MB	
18	ch01_0800000017000000	2014-07-02 20:09:39	248 MB	
19	ch01_0800000018000000	2014-07-02 21:15:51	248 MB	
20	ch01_0800000019000000	2014-07-02 22:39:09	248 MB	
21	ch01_0800000020000000	2014-07-03 00:02:16	247 MB	
22	ch01_0800000021000000	2014-07-03 01:24:51	248 MB	
23	ch01_0800000022000000	2014-07-03 02:47:21	248 MB	
24	ch01_0800000023000000	2014-07-03 04:09:10	248 MB	
25	ch01_0800000024000000	2014-07-03 05:31:09	248 MB	
26	ch01_0800000025000000	2014-07-03 05:51:09	248 MB	
27	ch01_0800000026000000	2014-07-03 06:00:01	248 MB	
28	ch01_0800000027000000	2014-07-03 06:06:56	248 MB	
29	ch01_0800000028000000	2014-07-03 06:18:13	248 MB	
30	ch01_0800000029000000	2014-07-03 06:27:18	248 MB	
31	ch01_0800000030000000	2014-07-03 06:36:25	248 MB	
32	ch01_0800000031000000	2014-07-03 06:45:16	248 MB	
33	ch01_0800000032000000	2014-07-03 06:54:05	248 MB	
34	ch01_0800000033000000	2014-07-03 07:03:12	248 MB	
35	ch01_0800000034000000	2014-07-03 07:12:20	249 MB	
36	ch01_0800000035000000	2014-07-03 07:21:52	248 MB	
37	ch01_0800000036000000	2014-07-03 07:31:32	248 MB	
38	ch01_0800000037000000	2014-07-03 07:41:20	248 MB	
39	ch01_0800000038000000	2014-07-03 07:51:06	248 MB	
40	ch01_0800000039000000	2014-07-03 08:00:00	248 MB	

All Type

Start Time: 2014-07-01 10:18:02

End Time: 2014-07-17 10:18:04

Search

Download

No plug-in detected.