








# DSS

## Update Guide



# Foreword

## Safety Instructions

Signal Words	Meaning
 DANGER	Indicates a high potential hazard which, if not avoided, will result in death or serious injury.
 WARNING	Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.
 CAUTION	Indicates a potential risk which, if not avoided, could result in property damage, data loss, reductions in performance, or unpredictable results.
 TIPS	Provides methods to help you solve a problem or save time.
 NOTE	Provides additional information as a supplement to the text.

## Revision History

Version	Revision Content	Release Time
V1.0.0	First release.	August 2025

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# 1 Updating DSS Professional V8 Versions to DSS Professional V8.7.0



Updating to V8.7.0 will overwrite your current version. All data will be kept after being recovered from the old version.

## 1.1 Compatible Versions



Before updating, check whether the current version and the version to be updated are compatible; there might be risks if they are not compatible.



Table 1-1 Compatible versions

Product	Version before Update	Program before Update	Product after Update	New Version
DSS Professional	V8.000.000000 2.0	General_DSS-Professional_Win64_IS_V8.000.0000002.0.R.20220113.exe	DSS Professional	V8.007.0000 000.1
	V8.000.000000 4.0	General_DSS-Professional_Win64_IS_V8.000.0000004.0.R.20220113.exe		
	V8.001.000000 0.0	General_DSS-Professional_Win64_IS_V8.001.0000000.0.R.20220430.exe		
	V8.001.000000 1.0	General_DSS-Professional_Win64_IS_V8.001.0000001.0.R.20220727.exe		
	V8.002.000000 0.0	General_DSS-Professional_Win64_IS_V8.002.0000000.0.R.20221210.exe		
	V8.003.000000 0.0	General_DSS-Professional_Server_Win64_IS_V8.003.000000.0.R.20230701.exe		
	V8.004.000000 0.0	General_DSS-Professional_Server_Win64_IS_V8.004.000000.0.R.20240104.exe		
	V8.005.000000 0.0	General_DSS-Professional_Server_Win64_IS_V8.005.000000.0.R.20240717.exe		
	V8.006.000000 0.1	General_DSS-Professional_Server_Win64_IS_V8.006.000000.1.R.20250118.exe		




## 1.2 Backing Up and Restoring Data

To avoid data loss caused by update failure, make sure that you have backed up the data before update. In case of data loss, you can restore all the data from the backup file.

### Backing Up Data

1. Log in to the DSS Client, click  on the homepage and then select **Backup and Restore** in **System Config**.
2. On **Manual Backup** of the **Backup** page, click  to select backup path, and then click **Backup Now**.

### Restoring Data

1. Log in to the DSS Client, click  on the homepage, and then in the **System Config** section, select **Backup and Restore** > **Restore**.
2. Restore data.
  - Click  of a backup file that is stored on the server, and then enter the password of the current account, and the encryption password of the backup file when it was generated.
  - Click  to select a backup file that is stored on your computer, and then click **Restore Now**.

## 1.3 Updating Procedures



- Contact technical support for help if the update fails.
- For main and sub servers of DSS Professional in distributed deployment, follow the steps in this section to update each server.
- For DSS Professional in hot standby, bring out the Rose software first, and then open it again after update. Update procedures are similar to updating DSS Professional with no hot standby.
- After DSS Professional is updated to V8.7.0, all data will be kept after being recovered from the old version.

### Procedure


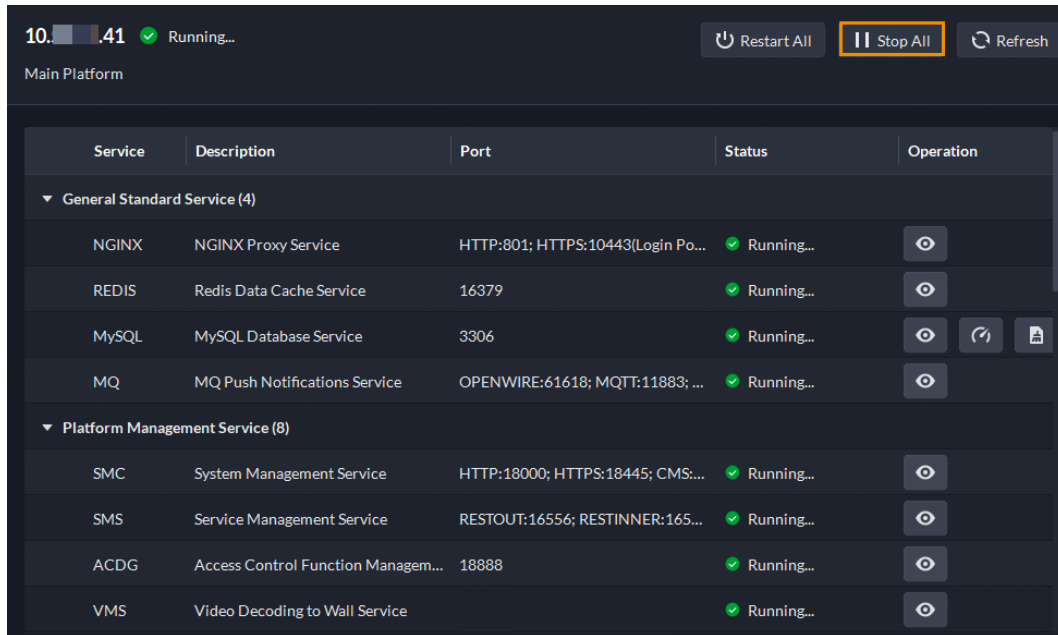
- Step 1 Log in to the server of DSS Professional.
- Step 2 Double-click  on the desktop, log in to the platform management tool, and then click **Stop All** to stop all services.

Figure 1-1 Stop all services



**Step 3** Double-click the V8.7.0 installation program. An update prompt is displayed as follows.

**Step 4** Click **OK**.



The installation path of the old version will be detected, and you cannot edit the directory.

**Step 5** Read and agree to the agreement, and then click **Next**.

**Step 6** Select **AcuPick** as needed, and then click **Next**.

**Step 7** Select **Store Face Snapshot Records** as needed (not selected by default), and then click **Next**.

When it is not selected, the platform will not display or store face snapshot records that do not include comparison records.

If you select it, the face snapshot records will be saved. Use this function ethically and securely in accordance with applicable laws.

**Step 8** Click **Install**, and then the installation begins.



The process takes 4 to 8 minutes. Do not cut off the power or close the program.

**Step 9** After installation, click **Run** to run the program.



Do not close the program after the installation completes. Otherwise, the next step will not be available anymore where you can restore data from the old version.

**Step 10** Restore data from the old version.

You might need to wait a while if there is a large amount of data to be restored. After restoration, the platform management tool can run normally.

Please wait patiently. Do not interrupt the program or power off during the restoring process.



If you select not to restore the data, it will not be available. If you want to restore the data later, you need to contact technical support for paid services.

**Step 11** On the platform management tool, check whether all the services are running properly.



If **Running** is displayed at the upper-left corner, it means all services are running properly. If not, check the status of each service to make sure all services are running properly.

Figure 1-2 Check the services

Service	Description	Port	Status	Operation
▼ General Standard Service (4)				
NGINX	NGINX Proxy Service	HTTP:801; HTTPS:10443(Login Po...	✓ Running...	👁
REDIS	Redis Data Cache Service	16379	✓ Running...	👁
MySQL	MySQL Database Service	3306	✓ Running...	👁 🔄 📄
MQ	MQ Push Notifications Service	OPENWIRE:61618; MQTT:11883; ...	✓ Running...	👁
▼ Platform Management Service (8)				
SMC	System Management Service	HTTP:18000; HTTPS:18445; CMS:...	✓ Running...	👁
SMS	Service Management Service	RESTOUT:16556; RESTINNER:165...	✓ Running...	👁
ACDG	Access Control Function Managem...	18888	✓ Running...	👁
VMS	Video Decoding to Wall Service		✓ Running...	👁

**Step 12** Log in to the DSS Client, and then follow the on-screen instructions to update it.

## 2 Updating DSS Express V8 Versions to DSS Express V8.7.0



Updating to V8.7.0 will overwrite your current version. All data will be kept after being recovered from the old version.

### 2.1 Compatible Versions



Before updating, check whether the current version and the version to be updated are compatible; there might be risks if they are not compatible.

Product	Version before Update	Program before Update	Product after Update	New Version
DSS Express	V8.000.0000002.0	General_DSS-Express_win32_IS_V8.000.0000002.0.R.20220113.exe	DSS Express	V8.007.0000000.1
	V8.000.0000004.0	General_DSS-Express_win32_IS_V8.000.0000004.0.R.20220113.exe		
	V8.001.0000000.0	General_DSS-Express_Win64_IS_V8.001.0000000.0.R.20220430.exe		
	V8.001.0000001.0	General_DSS-Express_Win64_IS_V8.001.0000001.0.R.20220727.exe		
	V8.002.0000000.0	General_DSS-Express_Win64_IS_V8.002.0000000.0.R.20221210.exe		
	V8.003.0000000.0	General_DSS-Express_Server_Win64_IS_V8.003.0000000.0.R.20230701.exe		
	V8.004.0000000.0	General_DSS-Express_Server_Win64_IS_V8.004.0000000.0.R.20240104.exe		





Product	Version before Update	Program before Update	Product after Update	New Version
	V8.005.0000000.0	General_DSS-Professional_Server_Win64_IS_V8.005.0000000.0.R.20240717.exe		
	V8.006.0000000.1	General_DSS-Express_Server_Win64_IS_V8.006.000000.1.R.20250118.exe		




## 2.2 Backing Up and Restoring Data

To avoid data loss caused by update failure, make sure that you have backed up the data before update. In case of data loss, you can restore all the data from the backup file.

### Backing Up Data

1. Log in to the DSS Client, click  on the homepage and then select **Backup and Restore** in **System Config**.
2. On **Manual Backup** of the **Backup** page, click  to select backup path, and then click **Backup Now**.

### Restoring Data

1. Log in to the DSS Client, click  on the homepage, and then in the **System Config** section, select **Backup and Restore** > **Restore**.
2. Restore data.
  - Click  of a backup file that is stored on the server, and then enter the password of the current account, and the encryption password of the backup file when it was generated.
  - Click  to select a backup file that is stored on your computer, and then click **Restore Now**.

## 2.3 Updating Procedures

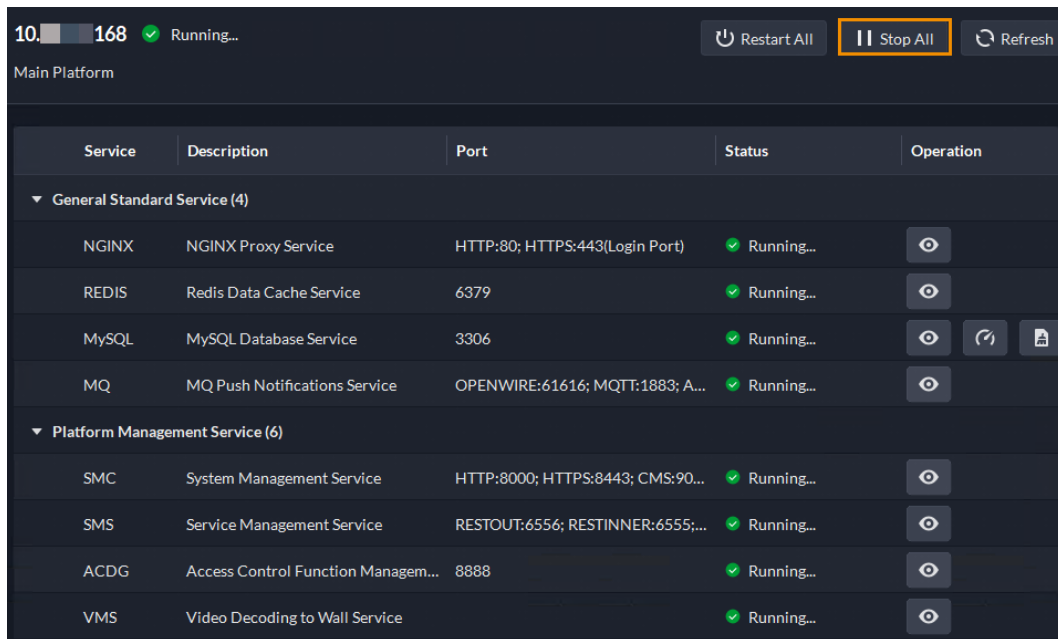


- Contact technical support for help if the update fails.
- After updating to V8.7.0, all data will be kept after being recovered from the old version.

### Procedure

- Step 1 Log in to the server of DSS Express.

Figure 2-1 Stop all services



**Step 2** Double-click the V8.7.0 installation program. An update prompt is displayed.

**Step 3** Click **OK**.

**Step 4** Read and agree to the agreement, and then click **Next**.

**Step 5** Select **Store Face Snapshot Records** as needed (not selected by default), and then click **Next**.

When it is not selected, the platform will not display or store face snapshot records that do not include comparison records.

If you select it, the face snapshot records will be saved. Use this function ethically and securely in accordance with applicable laws.

**Step 6** Click **Install**, and then the installation begins.



The installation path of the old version will be detected, and you cannot edit the directory.



The process takes 4 to 8 minutes. Do not cut off the power or close the program.

**Step 7** After installation, click **Run** to run the program.



Do not close the program after the installation completes. Otherwise, the next step will not be available anymore where you can restore data from the old version.

**Step 8** Click **Restore Now** to restore data from the old version.

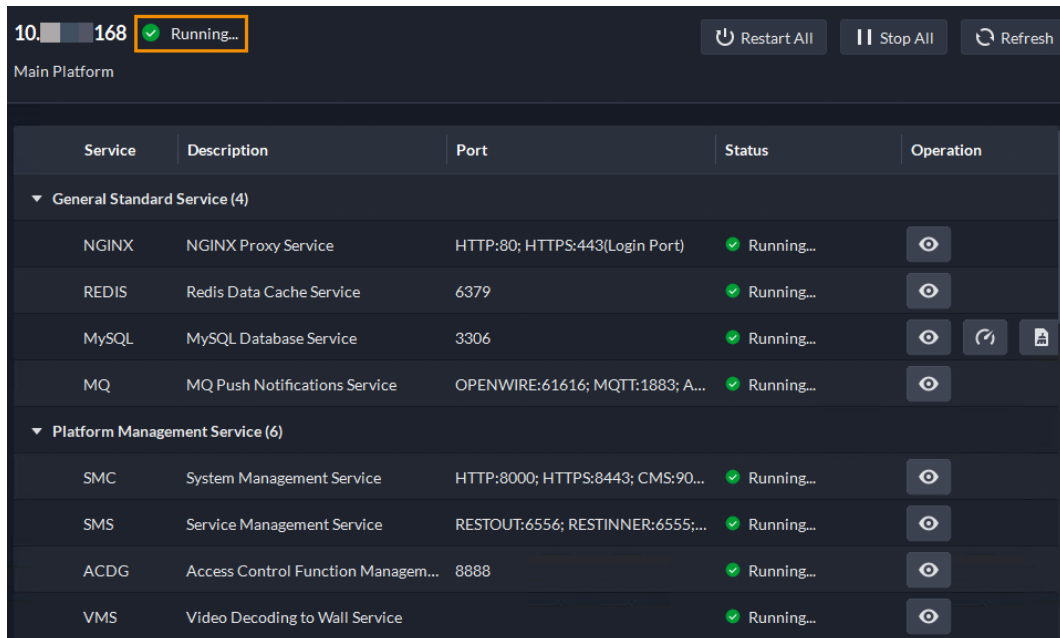
You might need to wait a while if there is a large amount of data to be restored. After restoration, the platform management tool can be run normally.

**Step 9** On the platform management tool, check whether all the services are running properly.



If **Running** is displayed at the upper-left corner, it means all services are running properly. If not, check the status of each service to make sure all services are running properly.

Figure 2-2 Check the services



Service	Description	Port	Status	Operation
▼ General Standard Service (4)				
NGINX	NGINX Proxy Service	HTTP:80; HTTPS:443(Login Port)	✓ Running...	
REDIS	Redis Data Cache Service	6379	✓ Running...	
MySQL	MySQL Database Service	3306	✓ Running...	
MQ	MQ Push Notifications Service	OPENWIRE:61616; MQTT:1883; A...	✓ Running...	
▼ Platform Management Service (6)				
SMC	System Management Service	HTTP:8000; HTTPS:8443; CMS:90...	✓ Running...	
SMS	Service Management Service	RESTOUT:6556; RESTINNER:6555;...	✓ Running...	
ACDG	Access Control Function Managem...	8888	✓ Running...	
VMS	Video Decoding to Wall Service		✓ Running...	

Step 10 Log in to the DSS Client, and then follow the on-screen instructions to update it.

## 3 Updating DSS Express V8 Versions to DSS Professional V8.7.0

### 3.1 Compatible Versions



Before updating, check whether the current version and the version to be updated are compatible; there might be risks if they are not compatible.



Table 3-1 Compatible versions

Product	Version before Update	Program before Update	Product after Update	New Version
DSS Express	V8.000.00000 02.0	General_DSS-Express_win32_IS_V8.000.0000002.0.R.20220113.exe	DSS Professional	V8.007.00000 00.1
	V8.000.00000 04.0	General_DSS-Express_win32_IS_V8.000.0000004.0.R.20220113.exe		
	V8.001.00000 00.0	General_DSS-Express_Win64_IS_V8.001.0000000.0.R.20220430.exe		
	V8.001.00000 01.0	General_DSS-Express_Win64_IS_V8.001.0000001.0.R.20220727.exe		
	V8.002.00000 00.0	General_DSS-Express_Win64_IS_V8.002.0000000.0.R.20221210.exe		
	V8.003.00000 00.0	General_DSS-Express_Server_Win64_IS_V8.003.00000 00.0.R.20230701.exe		
	V8.004.00000 00.0	General_DSS-Express_Server_Win64_IS_V8.004.00000 00.0.R.20240104.exe		
	V8.005.00000 00.0	General_DSS-Express_Server_Win64_IS_V8.005.00000 00.0.R.20240717.exe		
	V8.006.00000 00.1	General_DSS-Express_Server_Win64_IS_V8.006.00000 00.1.R.20250118.exe		
	V8.007.00000 00.1	General_DSS-Express_Server_Win64_IS_V8.007.00000 00.1.R.20250825.exe		




## 3.2 Backing Up and Restoring Data

To avoid data loss caused by update failure, make sure that you have backed up the data before update. In case of data loss, you can restore all the data from the backup file.

### Backing Up Data

1. Log in to the DSS Client, click  on the homepage and then select **Backup and Restore** in **System Config**.
2. On **Manual Backup** of the **Backup** page, click  to select backup path, and then click **Backup Now**.

### Restoring Data

1. Log in to the DSS Client, click  on the homepage, and then in the **System Config** section, select **Backup and Restore** > **Restore**.
2. Restore data.
  - Click  of a backup file that is stored on the server, and then enter the password of the current account, and the encryption password of the backup file when it was generated.
  - Click  to select a backup file that is stored on your computer, and then click **Restore Now**.

## 3.3 Updating the Server and DSS Client



- If update fails, contact technical support for help.
- After updating to DSS Professional V8.7.0, all data will be kept after being recovered from the old version.

### Procedure


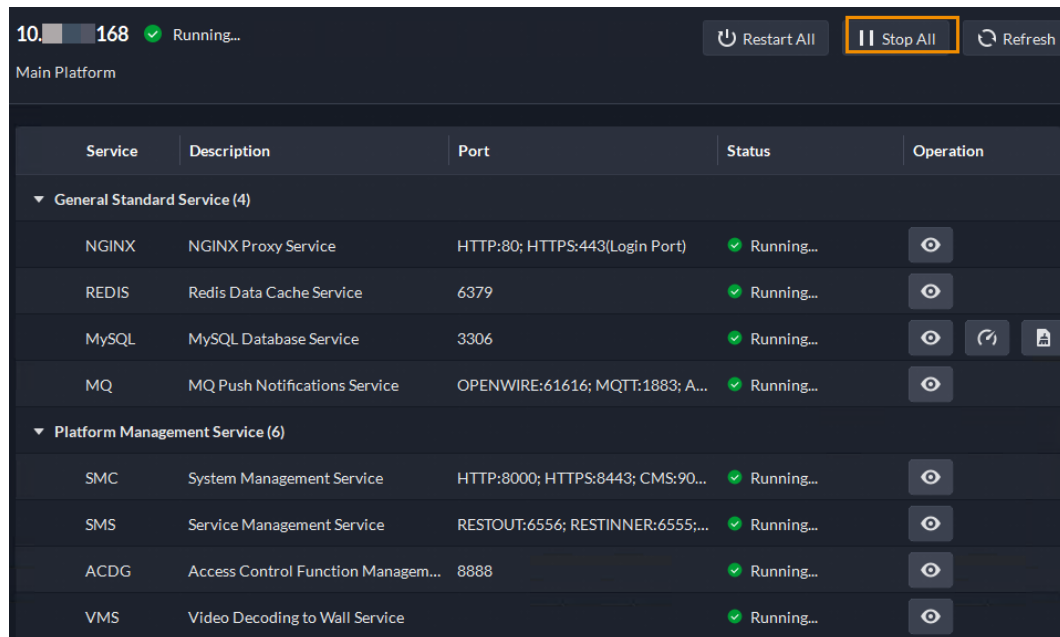
- Step 1 Log in to the server of DSS Express.
- Step 2 Double-click  on the desktop, log in to the platform management tool, and then click **Stop All** to stop all services.

Figure 3-1 Stop all services



**Step 3** Double-click the V8.7.0 installation program.

An update prompt is displayed.

**Step 4** Click **OK**.

**Step 5** Read and agree to the agreement, and then click **Next**.

**Step 6** Select **AcuPick** as needed, and then click **Next**.

**Step 7** Select **Store Face Snapshot Records** as needed (not selected by default), and then click **Next**.

When it is not selected, the platform will not display or store face snapshot records that do not include comparison records.

If you select it, the face snapshot records will be saved. Use this function ethically and securely in accordance with applicable laws.

**Step 8** Click **Install** to start the installation.



The installation path of the old version will be detected, and you cannot edit the directory.



The process takes 4 to 8 minutes. Do not cut off the power or close the program.

**Step 9** After installation, click **Run** to run the program.



Do not close the program after the installation completes. Otherwise, the next step will not be available anymore where you can restore data from the old version.

**Step 10** Click **Restore Now** to restore data from the old version.

You might need to wait a while if there is a large amount of data to be restored. After restoration, the platform management tool can be run normally.

Please wait patiently. Do not interrupt the program or power off during the restoring process.



If you select not to restore the data, it will not be available. If you want to restore the data later, you need to contact technical support for paid services.

**Step 11** Log in to the platform management tool to check whether all the services are running properly.



If **Running** displays at the upper-left corner, it means all services are running properly. If not, check the status of each service to make sure all services are running properly.

Figure 3-2 Check the services

Service	Description	Port	Status	Operation
▼ General Standard Service (4)				
NGINX	NGINX Proxy Service	HTTP:80; HTTPS:443(Login Port)	Running...	
REDIS	Redis Data Cache Service	6379	Running...	
MySQL	MySQL Database Service	3306	Running...	
MQ	MQ Push Notifications Service	OPENWIRE:61616; MQTT:1883; A...	Running...	
▼ Platform Management Service (6)				
SMC	System Management Service	HTTP:8000; HTTPS:8443; CMS:90...	Running...	
SMS	Service Management Service	RESTOUT:6556; RESTINNER:6555;...	Running...	
ACDG	Access Control Function Managem...	8888	Running...	
VMS	Video Decoding to Wall Service		Running...	

**Step 12** Log in to the DSS Client again, and then follow the on-screen instructions to update it.

## 3.4 Updating the License

If DSS Express before update is a free or trial version, follow the normal procedures to apply for and activate a V8.7.0 license for DSS Professional after update. If DSS Express before update is a paid version, follow the steps below.

**Step 1** Purchase a V8.7.0 license for DSS Professional.



DSS Professional supports more functions and devices, including cascading, synthesis, parking spaces, independent database, group talk, EAS devices, retail stores, classrooms, student attendance, visitor terminals, lift control, emergency devices, radars, POS, security screening machines, walk-through metal detectors, LED displays, IP speakers, attendance, UVSS, vehicle search rules, intelligent inspection, AcuPick, AR, CC Agile user, and video analysis. If you need these functions and devices, make sure that you purchase a license that includes them. For more details, see the user manual of DSS Professional.

**Step 2** Log in to the DSS Client, click on the homepage, and then select **License** in the **System Config** section.

**Step 3** Select how you want to update according to your network status.


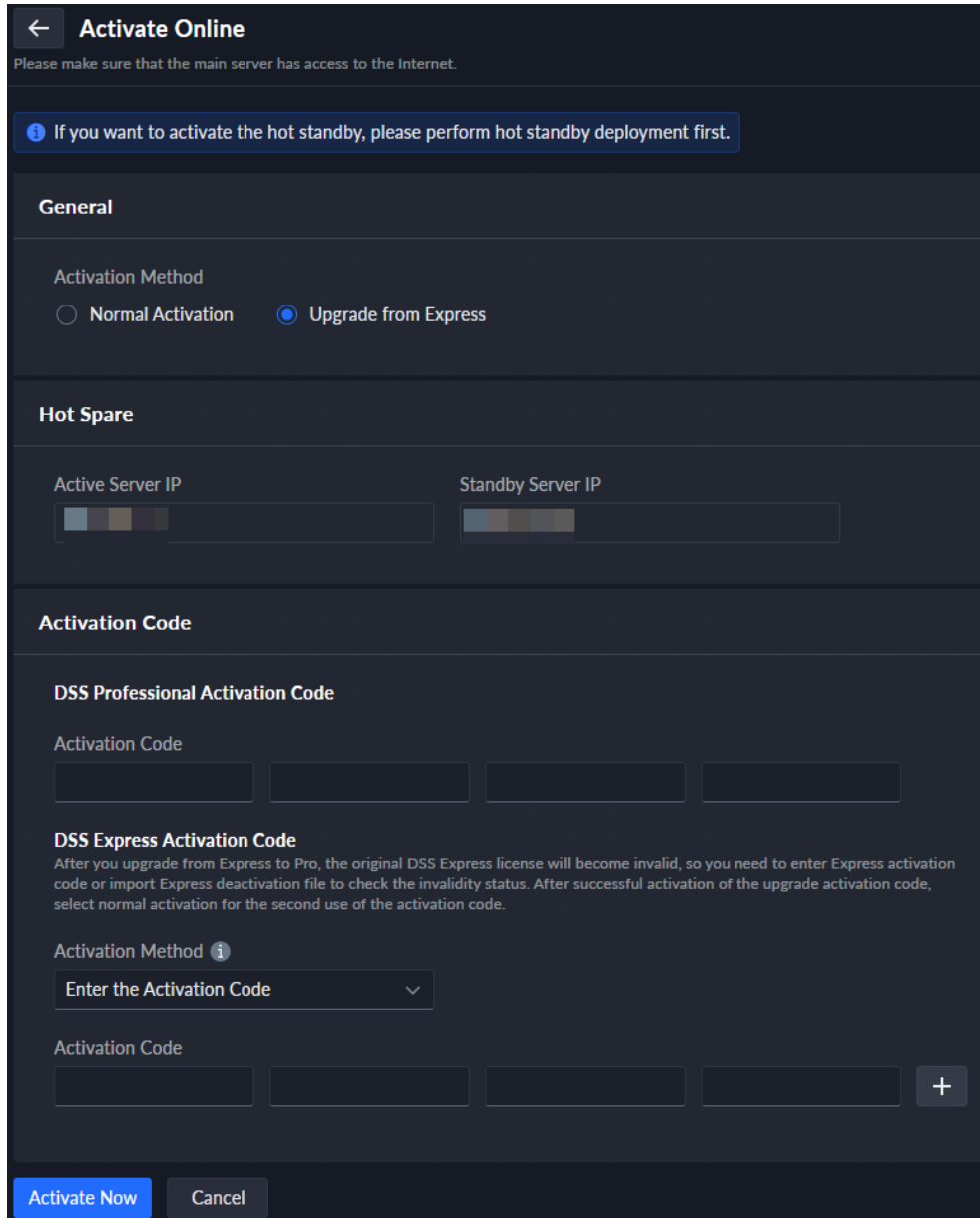
- Activate the license online.
1. Click  next to **Activation Code** on the lower-left corner to copy the activation code.
  2. Select **Activate License** > **Online Activation** > **update from Express**.

Figure 3-3 update from Express (online activation)




3. In the **DSS Professional Activation Code** area, enter the V8.7.0 activation code for DSS Professional.
  4. In the **DSS Express Activation Code** area, select **Enter the Activation Code**, and then enter the activation code you just copied.
  5. Click **Activate Now**.
- Activate the license offline.
1. Click  next to **Activation Code** on the lower-left corner to copy the activation code.
  2. Select **Activate License** > **Offline Activation** > **update from Express**.



Figure 3-4 update from Express (offline activation)

←

Activate Offline

ⓘ

If you want to activate the hot standby, please perform hot standby deployment first.

General

Activation Method

☐ Normal Activation
☒ Upgrade from Express

Hot Spare

Active Server IP

Standby Server IP

Activation Steps

Step 1.

Activation Code

DSS Express Activation Code

After you upgrade from Express to Pro, the original DSS Express license will become invalid, so you need to enter Express activation code or import Express deactivation file to check the invalidity status. After successful activation of the upgrade activation code, select normal activation for the second use of the activation code.

Deactivation Method ⓘ


Enter the Activation Code

Activation Code

+

Export offline license request file

Export

3. In the **Activation Code** area, enter the V8.7.0 activation code for DSS Professional.
4. In the **DSS Express Activation Code** area, select **Enter the Activation Code**, and then enter the activation code you just copied.
5. Click **Export**, save the activation file to your computer, and then move the file to another computer with Internet connection.
6. On the computer with Internet connection, go to <https://licensing.dahuasecurity.com/home/index> in the browser.
7. Select **DSS > Activate License**.
8. Click **Upload**, select and open the activation file, and then click **Activate**
9. Follow the on-screen instructions to save the license file to your computer.
10. Move the license file to the computer that needs to activate it.
11. Click , and then select and open the license file.

After the file is loaded successfully, activation is complete.

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## 4 Updating DSS Professional/Express from V7 to V8.7.0

DSS Professional/Express V7 cannot be directly updated to V8.7.0. You need to update from V7 to V8.0.2 first, and then to V8.7.0.



Please update to the correct version of the program, and ensure that you carefully check the version information before proceeding with the update.

### Procedure

- Step 1    Update DSS Professional/Express V7 to V8.0.2. See *DSS V8.0.2\_Update Guide*.
- Step 2    Update DSS Professional/Express from V8.0.2 to V8.7.0.
- Update DSS Professional from V8.0.2 to V8.7.0. See "1 Updating DSS Professional V8 Versions to DSS Professional V8.7.0".
  - Update DSS Express from V8.0.2 to V8.7.0. See "2 Updating DSS Express V8 Versions to DSS Express V8.7.0".
  - Update DSS Express from V8.0.2 to DSS Professional V8.7.0. See "3 Updating DSS Express V8 Versions to DSS Professional V8.7.0".

## 5 Updating DSS OneBox from V8.6.0 to V8.7.0



When updating DSS OneBox from V8.6.0 to V8.7.0, the earlier version will be overwritten, but the service configuration data and historical service data will be kept.

### 5.1 Compatible Versions



Before upgrading, check whether the current version and the version to be upgraded are compatible; there might be risks if they are not compatible.



Table 5-1 Compatible versions

Product	Version before Update	Program before Update	Product after Update	New Version
DSS OneBox	V8.600.00000 00.0	General_DSS-OneBox_Server_Win64_IS_V8.006.0000 000.0.R.20250520.exe	DSS OneBox	V8.007.00000 00.1




### 5.2 Backing Up and Restoring Data

To avoid data loss caused by update failure, make sure that you have backed up the data before update. In case of data loss, you can restore all the data from the backup file.

#### Backing Up Data

1. Log in to the DSS Client, click  on the homepage and then select **Backup and Restore** in **System Config**.
2. On **Manual Backup** of the **Backup** page, click  to select backup path, and then click **Backup Now**.

#### Restoring Data

1. Log in to the DSS Client, click  on the homepage, and then in the **System Config** section, select **Backup and Restore** > **Restore**.
2. Restore data.
  - Click  of a backup file that is stored on the server, and then enter the password of the current account, and the encryption password of the backup file when it was generated.
  - Click  to select a backup file that is stored on your computer, and then click **Restore Now**.

## 5.3 Updating Procedures

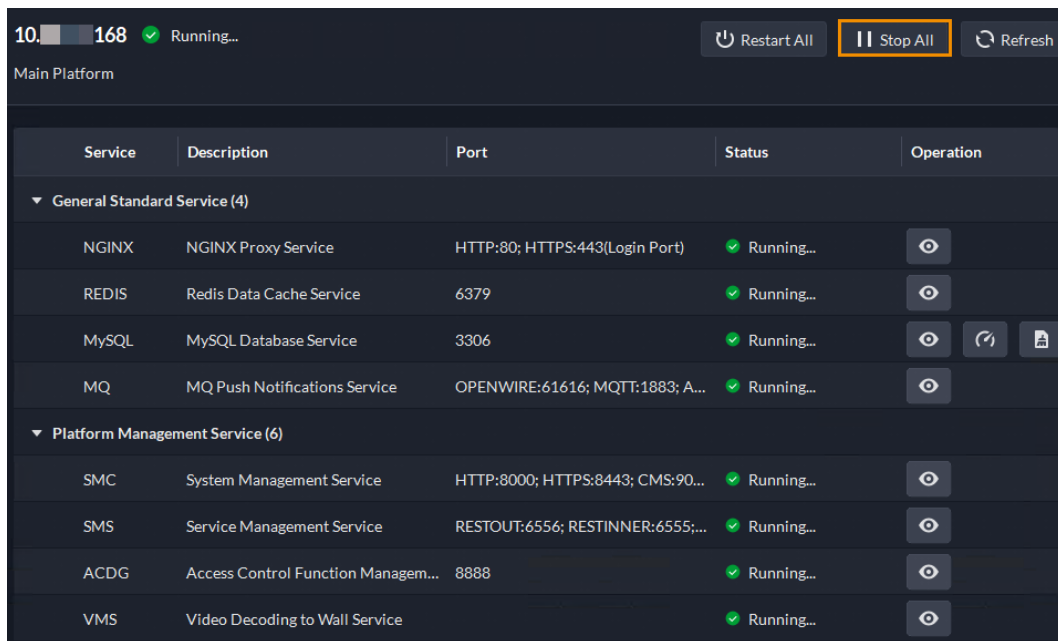


- Contact technical support for help if the update fails.
- After updating to V8.7.0, all data will be kept after being recovered from the old version.

### Procedure

**Step 1** Log in to the server of DSS Express.

Figure 5-1 Stop all services



**Step 2** Double-click the V8.7.0 installation program. An update prompt is displayed.

**Step 3** Click **OK**.

**Step 4** Read and agree to the agreement, and then click **Next**.

**Step 5** Select **Store Face Snapshot Records** as needed (not selected by default), and then click **Next**.

When it is not selected, the platform will not display or store face snapshot records that do not include comparison records.

If you select it, the face snapshot records will be saved. Use this function ethically and securely in accordance with applicable laws.

**Step 6** Click **Install**, and then the installation begins.



The installation path of the old version will be detected, and you cannot edit the directory.



The process takes 4 to 8 minutes. Do not cut off the power or close the program.

**Step 7** After installation, click **Run** to run the program.



Do not close the program after the installation completes. Otherwise, the next step will not be available anymore where you can restore data from the old version.

**Step 8** Click **Restore Now** to restore data from the old version.

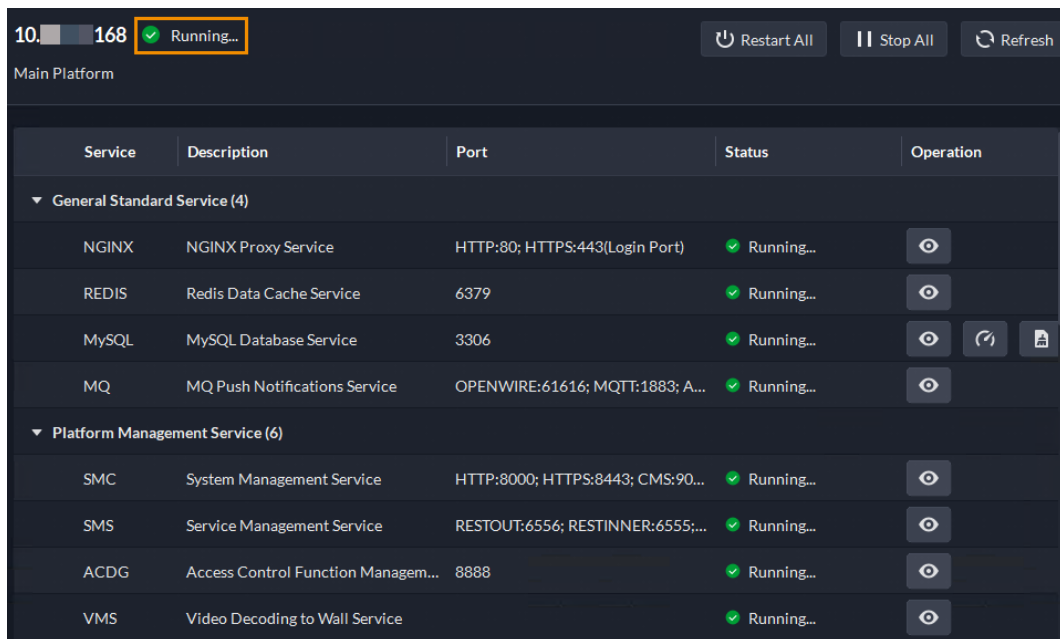
You might need to wait a while if there is a large amount of data to be restored. After restoration, the platform management tool can be run normally.

**Step 9** On the platform management tool, check whether all the services are running properly.



If **Running** is displayed at the upper-left corner, it means all services are running properly. If not, check the status of each service to make sure all services are running properly.

Figure 5-2 Check the services



Service	Description	Port	Status	Operation
<b>General Standard Service (4)</b>				
NGINX	NGINX Proxy Service	HTTP:80; HTTPS:443(Login Port)	Running...	
REDIS	Redis Data Cache Service	6379	Running...	
MySQL	MySQL Database Service	3306	Running...	
MQ	MQ Push Notifications Service	OPENWIRE:61616; MQTT:1883; A...	Running...	
<b>Platform Management Service (6)</b>				
SMC	System Management Service	HTTP:8000; HTTPS:8443; CMS:90...	Running...	
SMS	Service Management Service	RESTOUT:6556; RESTINNER:6555;...	Running...	
ACDG	Access Control Function Managem...	8888	Running...	
VMS	Video Decoding to Wall Service		Running...	

**Step 10** Log in to the DSS Client, and then follow the on-screen instructions to update it.

## 6 Updating Plug-ins

If plug-ins are installed and deployed, update them to the latest version. After update, the earlier versions of the plug-ins will be overwritten. For details of plug-in update, see their update guide respectively.

The latest version of each plug-in is as follows.

- Retail plug-in: V1.5.0.2.
- Inspection plug-in: V1.1.0.2.
- Education plug-in: V1.1.0.1.

# Appendix 1 Security Commitment and Recommendation

Dahua Vision Technology Co., Ltd. (hereinafter referred to as "Dahua") places great emphasis on cybersecurity and privacy protection. We continuously allocate special funds to enhance employees' awareness and capabilities in security, and ensure sufficient security protection for our products. Dahua has established a professional security team to provide comprehensive security empowerment and control throughout the entire product lifecycle, including design, development, testing, production, delivery, and maintenance. Dahua products adhere to the principle of minimum necessary data collection, service minimization, strict prohibition of backdoors, and the disabling of unnecessary and insecure services (such as Telnet). We continuously introduce innovative security technologies to bolster the security capabilities of our products. Additionally, we go above and beyond by providing global users with security alarm and 24/7 security emergency response services. This approach ensures that we are better safeguarding their security rights and interests. At the same time, Dahua encourages users, partners, suppliers, government agencies, industry organizations and independent researchers to report potential risks or vulnerabilities to the Dahua PSIRT. They can do so by visiting the cybersecurity section on the Dahua website.

The security of software platforms not only relies on the continuous attention and efforts from manufacturers throughout R & D, production, and delivery, but also requires active participation from users. Users should remain attentive to the environment and methods to ensure its secure operation. To this end, we suggest users to safely use the software platform, including but not limited to:

## Account Management

### 1. Use Strong Passwords

- The length should not be less than 8 characters.
- Include at least two types of characters; character types include upper and lower case letters, numbers and symbols.
- Do not contain the account name or the account name in reverse order.
- Do not use continuous characters, such as 123, abc, etc.
- Do not use overlapped characters, such as 111, aaa, etc.

### 2. Change Password Regularly

We suggest that you change passwords regularly to reduce the risk of being guessed or cracked.

### 3. Assign Accounts and Permissions Reasonably

According to business and management needs, reasonably add new users, and reasonably allocate a minimum set of permissions for them.

### 4. Enable Account Lock

The account lock feature is enabled by default, and we recommend you to keep it on to guarantee the account security. If an attacker attempts to log in with the wrong password several times, the corresponding account and the source IP address will be locked.

### 5. Set and Update Passwords Reset Information Timely

The platform supports password reset function. To reduce the risk of being attacked, please set up related information for password reset in time. If the information changes, please modify it in time. When setting password protection questions, it is suggested not to use those that can be easily guessed.

### 6. Enable Account Binding IP/MAC

It is recommended to enable the account binding IP/MAC mechanism to further improve access security.

## Service Configuration

### 1. **Enable HTTPS**

We suggest you to enable HTTPS, so that you visit Web service through a secure communication channel.

### 2. **Disable Unnecessary Services and Choose Secure Modes**

If not needed, it is recommended to turn off some services such as SNMP, SMTP, etc., to reduce risks.

If necessary, it is highly recommended that you use safe modes, including but not limited to the following services:

- SMTP: Choose TLS to access mailbox server.
- FTP: Choose SFTP, and set up strong passwords.

## Network Configuration

### 1. **Enable Firewall Allowlist**

We suggest you to enable allowlist function to prevent everyone, except those with specified IP addresses, from accessing the system. Therefore, please be sure to add your computer's IP address and the accompanying equipment's IP address to the allowlist.

### 2. **Network Isolation**

The network should be isolated by partitioning the video monitoring network and the office network on the switch and router to different VLANs. This prevents attackers from using the office network to launch Pivoting attacks on the video monitoring network.

## Security Auditing

### 1. **Check Online Users**

It is recommended to check online users irregularly to identify whether there are illegal users logging in.

### 2. **View the Platform Log**

By viewing the log, you can get the IP information of the attempt to log in to the platform and the key operation information of the logged-in user.

## Physical Protection

We suggest that you perform physical protection to the device that has installed the platform. For example, place the device in a special computer room and cabinet, and implement well-done access control permission and key management to prevent unauthorized personnel from carrying out physical contacts such as damaging hardware.



## Perimeter Security

We suggest that you deploy perimeter security products and take necessary measures such as authorized access, access control, and intrusion prevention to protect the software platform security.

ENABLING A SMARTER SOCIETY AND BETTER LIVING

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