



Back Up and Restore GV-Recording Server Data

Article ID: GV2-26-07-24

Release Date: July 24, 2026

Contents

Applied to.....	2
Summary.....	2
1. Back Up the Data	2
1-1 Back Up System Settings	3
1-2 Back Up the Database	4
2. Scenario 1: Restore the Data	5
2-1 Restore System Settings	5
2-2 Restore the Database	5
3. Scenario 2: Reinstall the OS	6
4. Scenario 3: Migrate to a New Server	7



Applied to

GV-Recording Server

Summary

This document explains how to regularly back up and restore GV-Recording Server data to support disaster recovery and system migration. To safeguard your surveillance environment, **it is strongly recommended to back up your configuration and database files on a routine schedule.**

Regularly backed-up data can be used in the following three scenarios:

- **Scenario 1:** Restore the data following system setting or database corruption
- **Scenario 2:** Reinstall or format the operating system on the current server
- **Scenario 3:** Migrate data to a new physical server

1. Back Up the Data

Regular system backups require saving two types of data. Refer to the following subsections for detailed backup instructions.

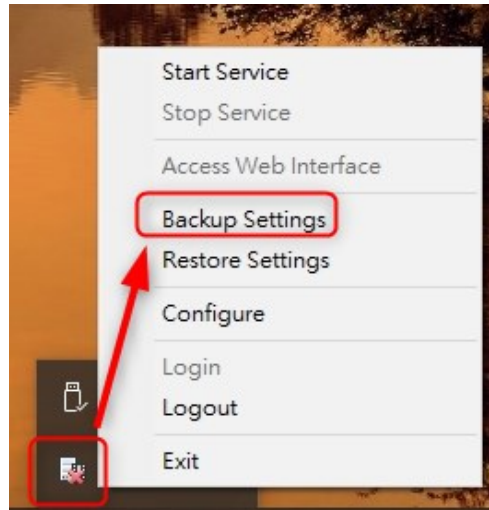
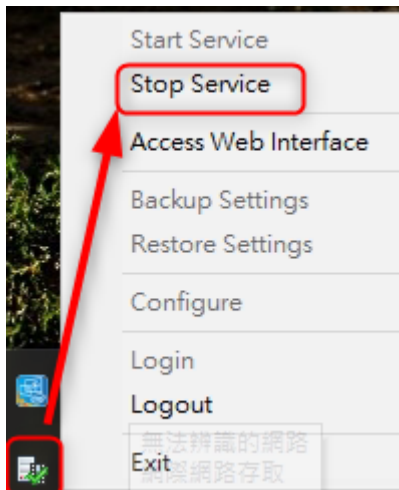
- **System Settings** (*see section 1-1*)
- **Record Database** (*see section 1-2*)



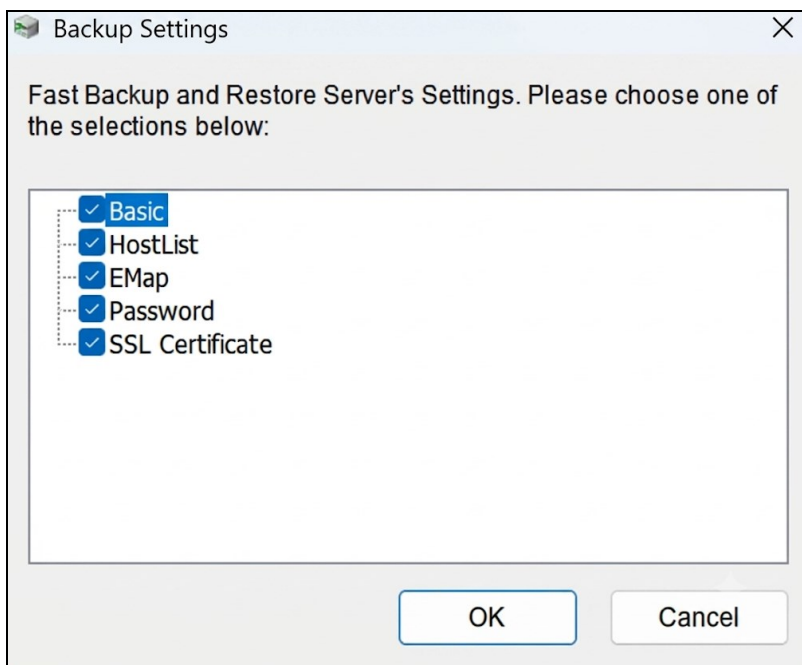
1-1 Back Up System Settings

To back up system settings, follow the steps below.

1. Stop GV-Recording Server by right-clicking the **Recording Server** icon in the system tray and selecting **Backup Settings**.



2. Select the desired categories (Basic, Host List, EMap, Password, or SSL Certificate) to back up.

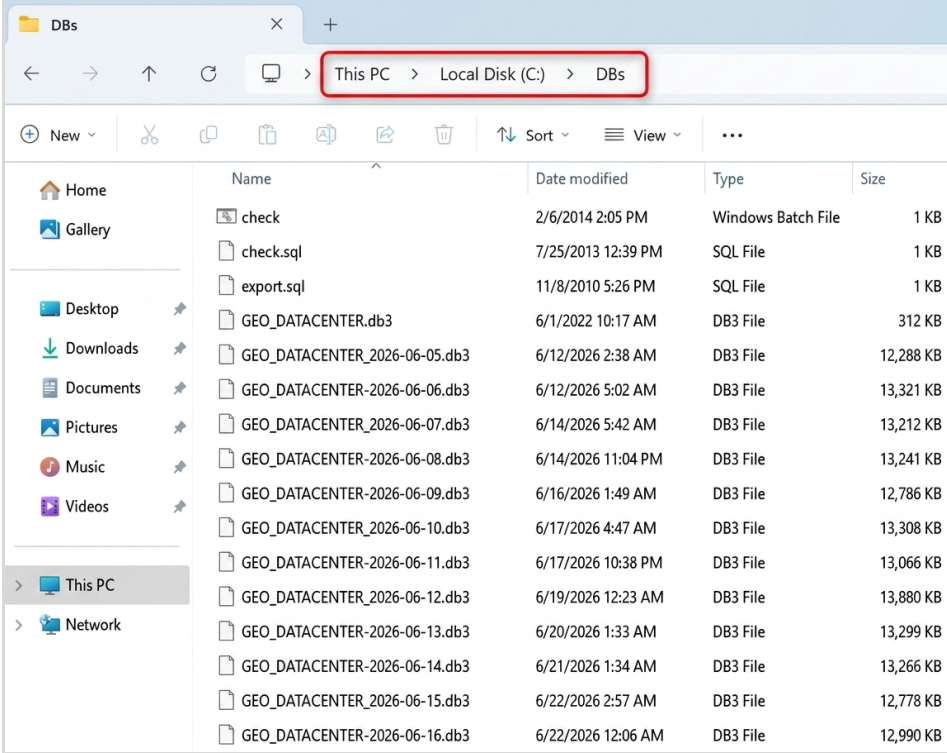
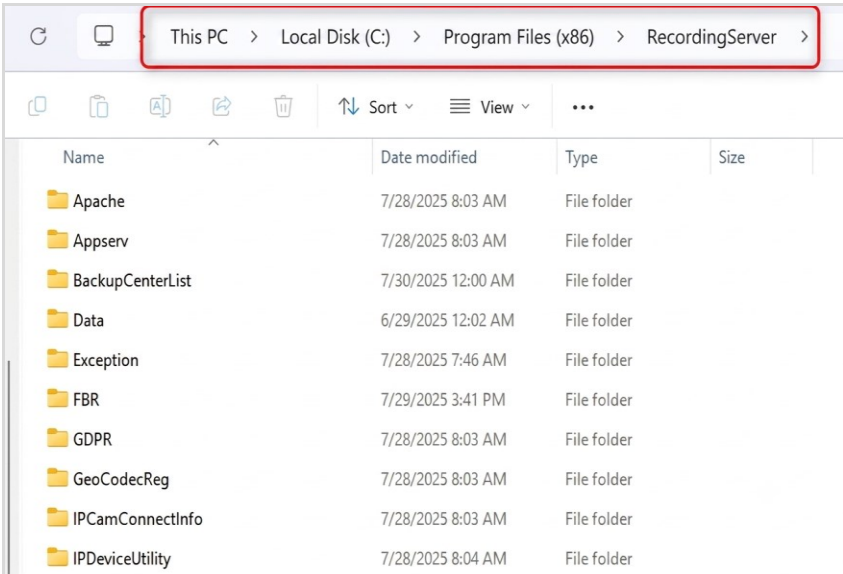


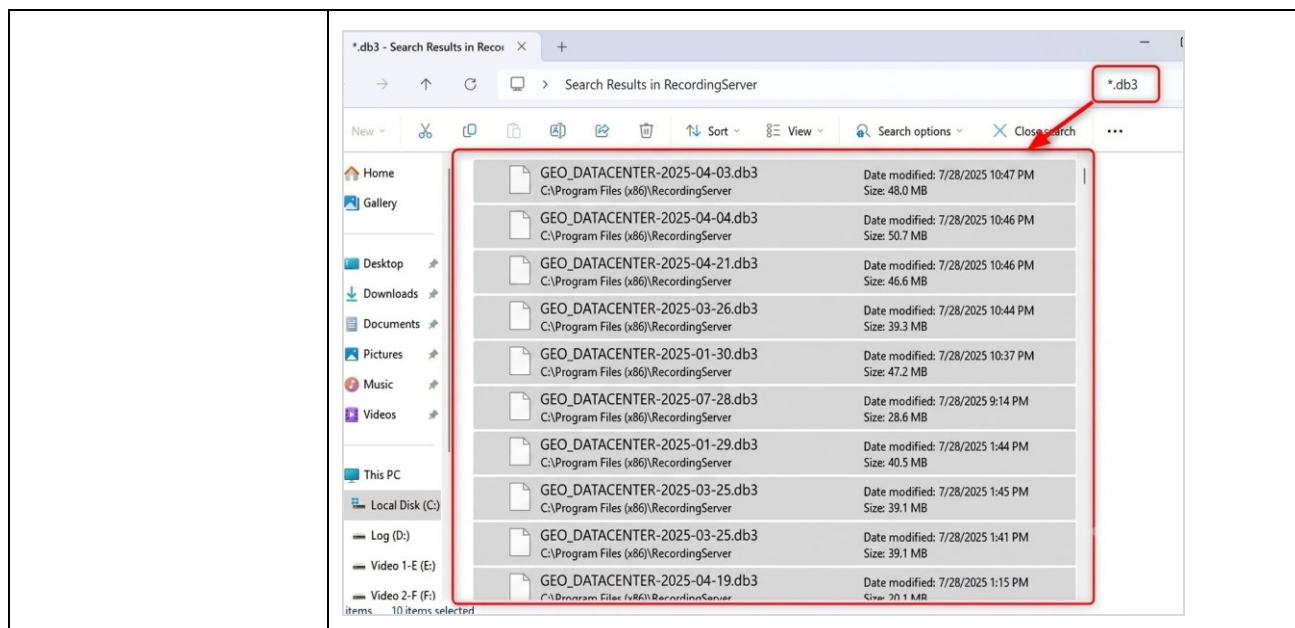
3. Click **OK**, and name the file and choose a backup location.



1-2 Back Up the Database

Regular backups are required for the **Record Database (.db3)**.

<u>Record Database</u> GV-Recording Server V2.1.1 or later Default Path: C:\DBs\ <i>*The complete directory path and drive letter are configurable.</i>	
<u>Record Database</u> System upgraded from older versions The database inside the Recording Server installation directory.	



2. Scenario 1: Restore the Data

In the event of a system failure or corruption, if you need to restore the backup system settings and database on the **same GV-Recording Server**, follow the steps below.

2-1 Restore System Settings

To restore the system settings, follow the steps below.

1. Copy the **backup setting file (.backup)** created in [1-1 Back Up System Settings](#).
2. Right-click the **Recording Server** icon in the system tray, select **Restore Settings**, and select the backup file to start restoring.

2-2 Restore the Database

To restore the database, follow the steps below.

1. **Delete Corrupted Files:** If the original database files (.db3) are corrupted, delete the corrupted files. Otherwise, proceed directly to Step 2.
2. **Restore Backup Files:** Copy the backup database files (.db3) back to their **exact** original directory paths. For database directory paths, see [1-2 Back Up the Database](#)



3. Scenario 2: Reinstall the OS

If the system experiences an OS failure or a virus attack, you may need to format the hard drive and reinstall the operating system. In this situation, you can restore your surveillance environment using the **system settings** and **record database** you previously backed up (see *1. Back Up the Data*).

To restore the data, follow the steps below.

1. To restore system settings, see [2-1 Restore System Settings](#).
2. To restore database files, see [2-2 Restore the Database](#).

IMPORTANT: If your system is affected by a virus, verify that the database is not corrupted or compromised before creating a backup.

Note: Recovery is limited to the data contained in your latest backup. For example, if you perform a backup on July 1 and reinstall the OS on July 8, all data recorded from July 2 through July 8 will need to be repaired.



4. Scenario 3: Migrate to a New Server

In **Scenario 3**, there are three major procedures to migrate your entire GV-Recording Server configuration and data to a new server:

Version Compatibility: The target server must run the exact same GV-Recording Server version as the source server during backup and restore.

Step1: Back Up Current System Settings

Export the configuration from the active source server. See [1-1 Back up System Settings](#).

Step 2: Migrate Data to the New Server

To transfer your database and recorded files to the target server, follow the steps below.

1. Replicate directory paths

On the **new** server, create the directory paths that match the old server **exactly**. This includes the paths for the following components:

- Record Database
- Recorded Files

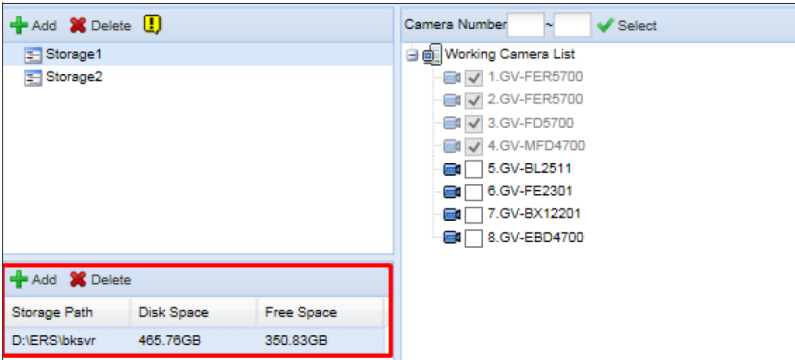
2. Transfer the Database

Copy all database files (.db3) from their original location on the **old** server and paste them into the corresponding directory you created on the **new** server.



3. Transfer Recorded Files

Do not copy the recorded video files. Because they require significant storage space, physically migrate the storage HDD from the **old** server and install it on the **new** server.

Recorded Files Default Path: D:\ERS\bksvr <i>*The complete directory path and drive letter are configurable.</i> <i>*Due to the large size of recorded files, physically move the storage HDD from the old server and install it on the new server.</i> <i>*Directory paths for recorded files on the new server must match those on the old server exactly.</i>	 <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>Storage Path</th> <th>Disk Space</th> <th>Free Space</th> </tr> </thead> <tbody> <tr> <td>D:\ERS\bksvr</td> <td>465.76GB</td> <td>350.83GB</td> </tr> </tbody> </table>	Storage Path	Disk Space	Free Space	D:\ERS\bksvr	465.76GB	350.83GB
Storage Path	Disk Space	Free Space					
D:\ERS\bksvr	465.76GB	350.83GB					

Step 3 Restore System Settings

Import the original configuration onto the target server.

1. Copy the **backup setting file (.backup)** created in [1-1 Back Up System Settings](#), and paste it onto the **new** server where the system will be restored.
2. Right-click the **Recording Server** icon in the system tray, select **Restore Settings**, and select the backup file to start restoring.