



Back Up and Restore GV-AI FR or GV-AI Server Data

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Applied to

GV-AI FR

GV-AI Server

Summary

This document explains how to regularly back up and restore GV-AI FR or GV-AI Server data to support disaster recovery and system migration. To safeguard your surveillance environment, **it is strongly recommended to back up your configuration and databases 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 and Face Database** (*see section 1-1*)
- **AI Event Data** (*see section 1-2*)



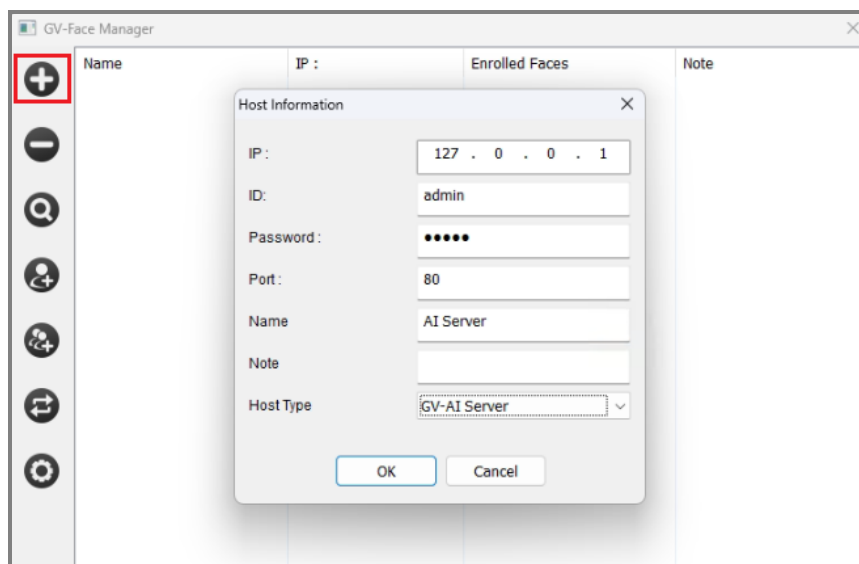
1-1 Back Up System Settings and Face Database

Use the GV-Face Manager utility to back up system settings and the face database.

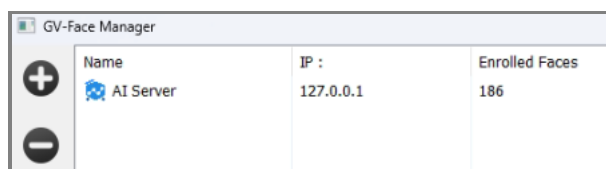
1. Run **GV-Face Manager** from the installation directory. The default path:

GV-AI FR	C:\GV-AI FR\FaceManager\FaceManager.exe
GV-AI Server	C:\GV-AIServer\FaceManager.exe

2. Connect to the server. Before connecting, ensure the GV-AI FR or GV-AI Server is online.
 - On the GV-Face Manager window, click **Add Host** , type the connection information for GV-AI FR or GV-AI Server, select **Host Type**. Click **OK**.

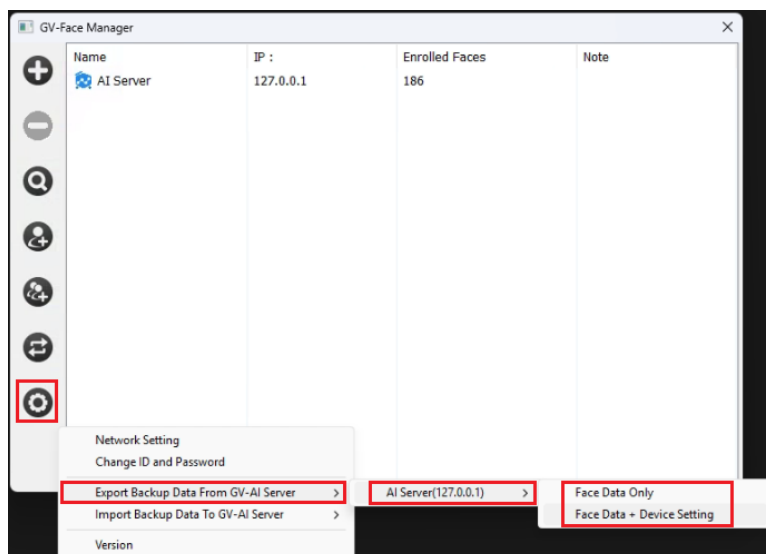


- When the connection is established successfully, the number of enrolled faces on the server will be displayed.





- To back up system settings and the face database, click **Settings** , select **Export Backup Data From...** choose the host by its IP address, select **Face Data + Device Setting**, name the file, and choose a backup location.



1-2 Back Up AI Event Data

Regular backups are required for the AI Event data (face recognition results).

- Copy **the entire DB folder** to your backup location.
- If you used the default path for **Snapshot Storage** (located inside the DB folder), it is already included in the DB folder backup. If Snapshot Storage is saved in a different location, copy the entire Snapshot folder separately for backup.

AI Event Data

- GV-AI FR**

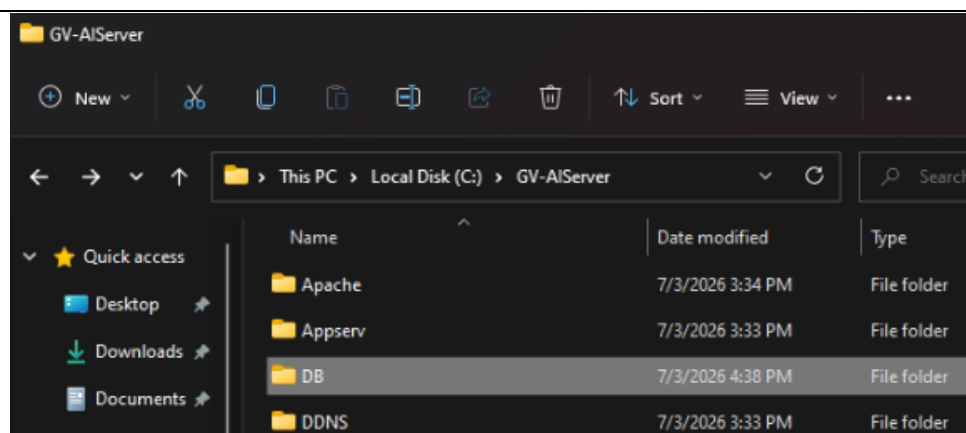
Default Path

C:\GV-AI FR\DB

- GV-AI Server**

Default Path

C:\GV-AIServer\DB





Snapshot Storage

Default:

The default path for Snapshot Storage is located **inside the DB folder**.

System Settings

Device Name
GV-AI FR

Command Port
10000

Web Port
80

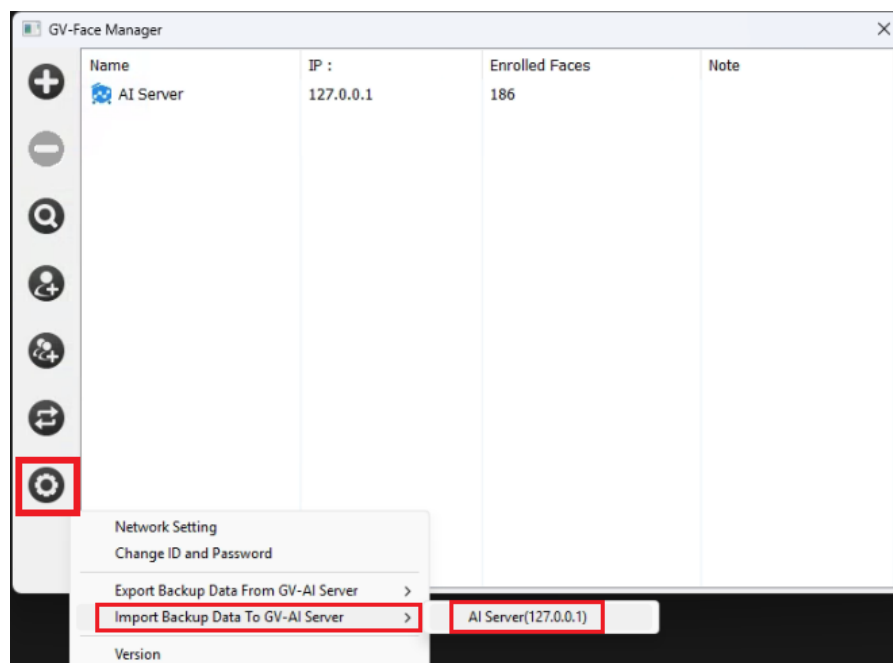
Snapshot Store Path
Default

Keep Days of Log (1 ~ 180 days)

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 the face database on the **same server**, follow the steps below.

1. Run **GV-Face Manager** and ensure the server is successfully connected.
2. Click **Settings** > **Import Backup Data To...**, and select the server by its IP.



3. Choose the **backup file (.fdb)** created in [1-1 Back Up System Settings and Face Database](#) to start restoring.



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 **configuration files** and **face database** you previously backed up (see *1. Back Up the Data*).

To restore the data, follow the steps in [Scenario 1: Restore the Data](#).

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 be lost.



4. Scenario 3: Migrate to a New Server

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

Version Compatibility: The target server must run the exact same software version as the source server during backup and restore.

Step 1: Back Up Current System Settings and Face Database

Export the configuration and face database from the active source server. [1-1 Back up System Settings and Face Database](#).

Step 2: Migrate Data to the New Server

Copy the AI Event data (face recognition results) on the **old** server and paste it into the corresponding directory path on the **new** server. See [1-2 Back Up AI Event Data](#).

Step 3: Restore System Settings and Face Database

1. Copy the **backup file (.fdb)** created in [1-1 Back Up System Settings and Face Database](#), and paste it onto the **new** server where the system will be restored.
2. Run **GV-Face Manager** and ensure the server is successfully connected.
3. Click **Settings**  > **Import Backup Data To...**, and select the server by its IP.
4. Choose the **backup file (.fdb)** to start restoring.