



Back Up and Restore GV-ASManager Server Data

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Applied to

GV-ASManager

Summary

This document explains how to regularly back up and restore GV-ASManager 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:

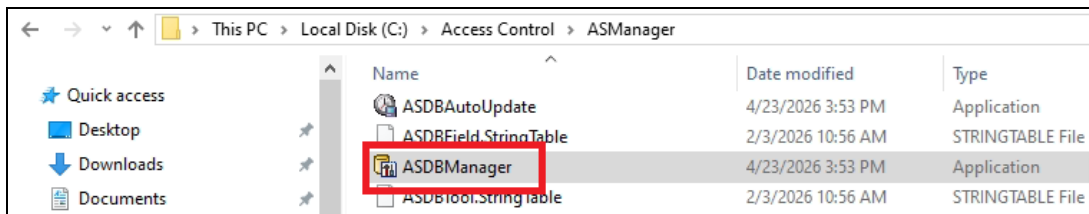
- **Scenario 1:** Restore the data following system setting or database corruption
- **Scenario 2:** Reinstall or format the operating system on the current server
- **Scenario 3:** Migrate data to a new physical server



1. Back Up the Data

Regular system backups require saving the two types of data: **System Settings** and **Databases**. Follow the steps below using the ASDBManager program.

1. Run **ASDBManager.exe** from the installation directory: `Access Control\ASManager\`



2. Select **ASManager Database and Path Setting**.
3. Under **Backup Database**, select **Schedule**.



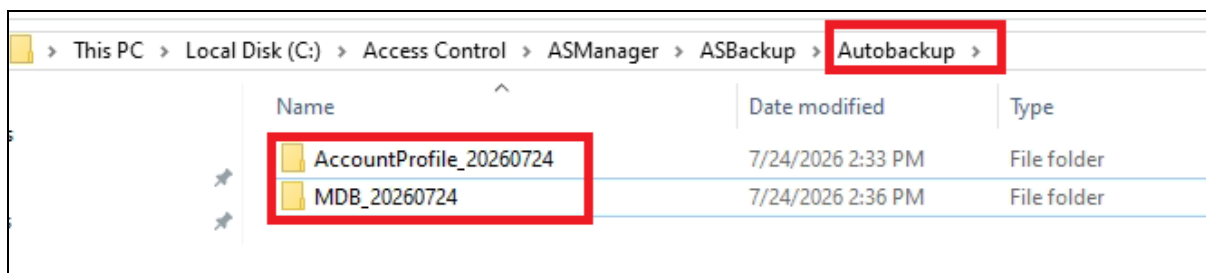


4. In the Backup Database dialog box, configure the following settings:
 - **Frequency:** Set the schedule (**Every Day**, **Every Week**, or **Every Month**) and specify the start time.
 - **Backup to:** Keep the default directory, or click to specify a custom backup location.
 - **Backup Content:** Select the desired categories (**Config**, **Logs**, **Photos**, or **Account**).
 - **Recycle Count:** Specify the number of backup files (date-based subfolders) you want to keep.

5. Click **OK**.
6. Close all the ASDBManager windows so the scheduled backup service can run properly.

The system will generate backup files (.mdb) in **date-based subfolders**.

Default **Autobackup** path: C:\Access Control\ASManager\ASBackup\Autobackup



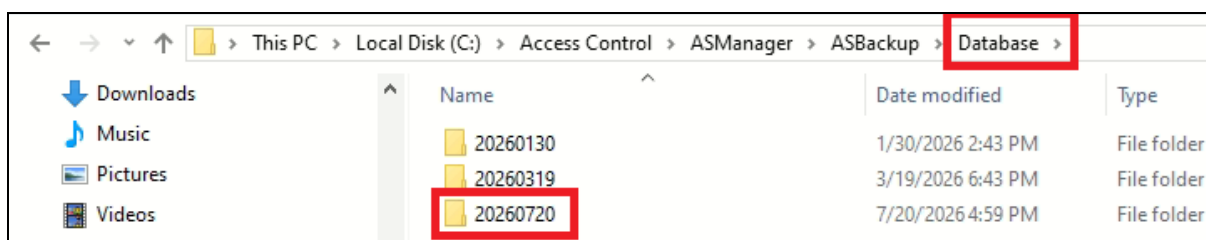


Note: To create an immediate backup without setting a schedule, click the **Backup Database** icon directly in Step 3. The following dialog box will appear for configuration.

The system will generate the **Database** and **Account Profile** backup files (.mdb) in separate directories using **date-based subfolders**.

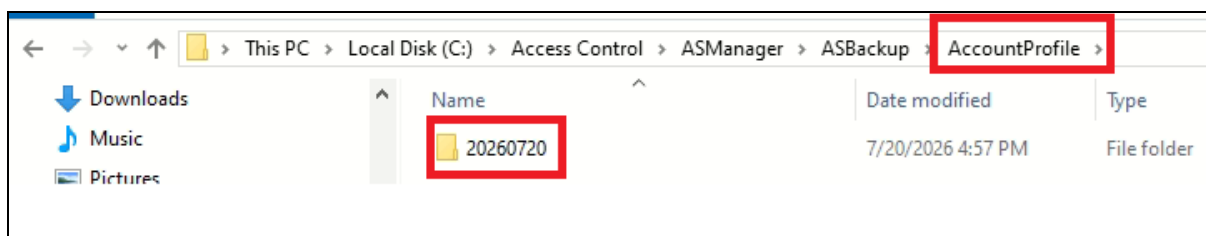
- Default **Database** path:

<C:\Access Control\ASManager\ASBackup\Database\>



- Default **Account Profile** path:

<C:\Access Control\ASManager\ASBackup\AccountProfile\>





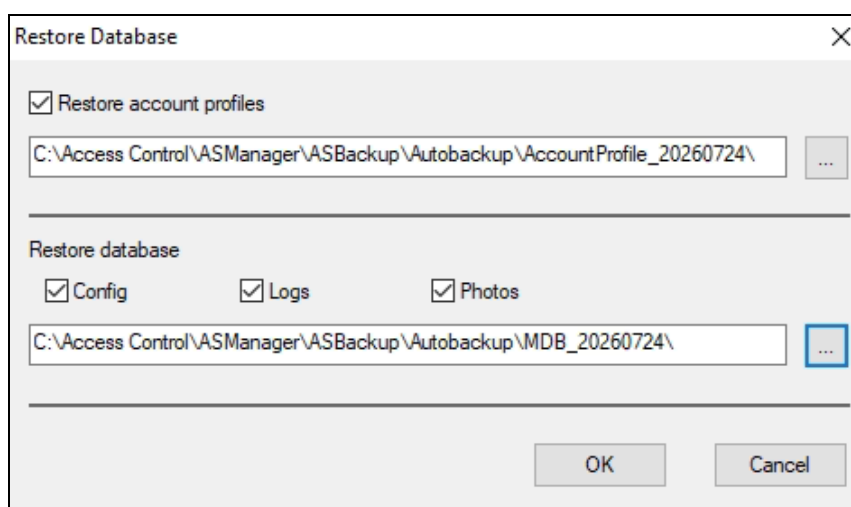
2. Scenario 1: Restore the Data

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

1. Run **ASDBManager.exe** from the installation directory: `\Access Control\ASManager\`
2. Select **ASManager Database and Path Setting**.
3. Select **Recover Database**.



4. Select the backup categories (**Account Profiles** or **Database**), and choose the respective date-based folders to restore.



5. Click **OK** to start restoring. During the restore process, a prompt asks whether to delete the existing **ASConfig**, **ASLog**, **ASLPR**, or **ASPatrol Log** data. Click **Yes** to continue.



6. After the system settings and databases are successfully restored, close the **ASDBManager** tool and verify whether the data (User List, Card List, Controller List, and Access Log) is restored properly.

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 **databases** you previously backed up (see [1. Back Up the Data](#)).

To restore the data, see [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-ASManager server configuration and data to a new server:

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

Step 1: Back Up Current System Settings and Databases

Export the configuration and databases from the active source server. See [1. Back Up the Data](#).

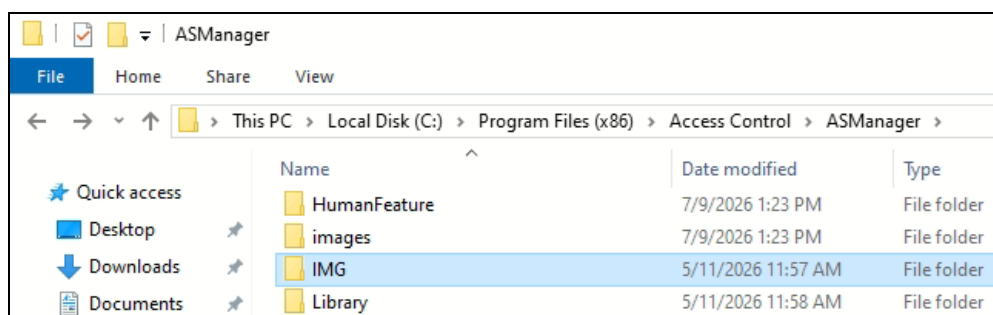


Step 2: Migrate Snapshots to the New Server (Optional)

Transfer access control event snapshots to the target server.

- Copy the **entire IMG folder** from its original location on the **old** server and paste it into the corresponding directory path on the **new** server.

Default Path: C:\Program Files (x86)\Access Control\ASManager\IMG



Step 3: Restore System Settings and Databases

Import the original configuration and databases onto the target server.

- Copy the **date-based subfolders** created in [1. Back Up the Data](#), and paste them onto the **new** server where the system will be restored.
- Run **ASDBManager.exe** from the installation directory: \Access Control\ASManager\
- Select **ASManager Database and Path Setting**.
- Select **Recover Database**.
- Select the backup categories (**Account Profiles** or **Database**), and choose the respective date-based subfolders to restore.
- Click **OK** to start restoring.

For details on restoring the data, see [Scenario 1: Restore the Data](#).