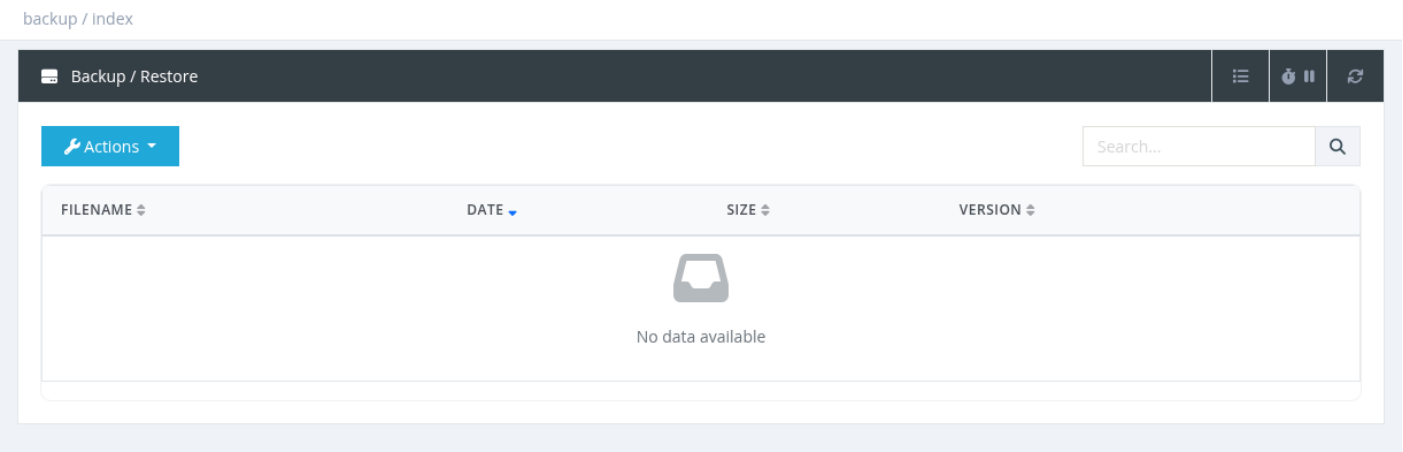
Backup and Restore

Tools → Backup lists the database backups on the server and lets you create, download, upload, restore and delete them.



The list shows **FileName** (click to download), **Date**, **Size** and **Version** (the SAS Radius version the backup was made with). Search by file name.

Buttons

Button	What it does	Permission
Create Backup	Starts a backup in the background. Reload the page after a few minutes to see the new file.	Backup - Create
Download	Downloads the selected backup file (`.gz`). Keep copies outside the server.	Backup - Download
Upload	Uploads a backup file (`.gz`) from your computer, for example to restore it on a new server.	Backup - Restore
Restore	Restores the selected backup. See below.	Backup - Restore
Delete	Deletes the selected backup file.	Backup - Delete
Settings	Opens the backup settings: backup disk, daily backups, session records, Google Drive and auto-delete. See the *Backup Settings* page in the Settings chapter.	Settings - System Settings

Opening the Backup page needs *Backup - Download*.

What is in a backup

A compressed copy of the SAS Radius database: users, managers, profiles, NAS, cards, invoices, journals, settings and more. Session history is included only if **Include Session Records** is enabled in the backup settings (this makes files much larger).

Restoring a backup

1. Select the backup and click **Restore**, then confirm.
2. A **Restoring Database** window shows the progress. **Don't close the window or reload the page.**
3. When finished, all managers are logged out. Log in again.

> A restore **replaces the whole database** with the backup, including settings. Everything changed after the backup was made (activations, payments, new users) is lost. Create a fresh backup and download it before restoring.

- If the server time looks wrong after a restore, reboot the server.
- Only one backup or restore can run at a time.

Good practice

- Enable **Daily Backups** on a separate backup disk, and **Upload To Google Drive** for an off-site copy.
- Download a backup before system updates, bulk changes and maintenance actions.
- Use **Auto Delete Old Backups** so the backup disk doesn't fill up.

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