



Repo Man

User Manual

Version 1.0

| *Contents*

- 01 Getting Started
- 02 Adding Repositories
- 03 Performing Backups
- 04 Dependency Detection
- 05 Settings
- 06 Troubleshooting

01

Getting Started

Let's get Repo Man set up on your Mac

| *Adding an account*

We currently allow you to add GitHub, GitLab (hosted) and Bitbucket Cloud accounts to Repo Man. This allows you to explore your repositories and select them for backup easily without needing to specify an SSH address or key.

1. Open Settings

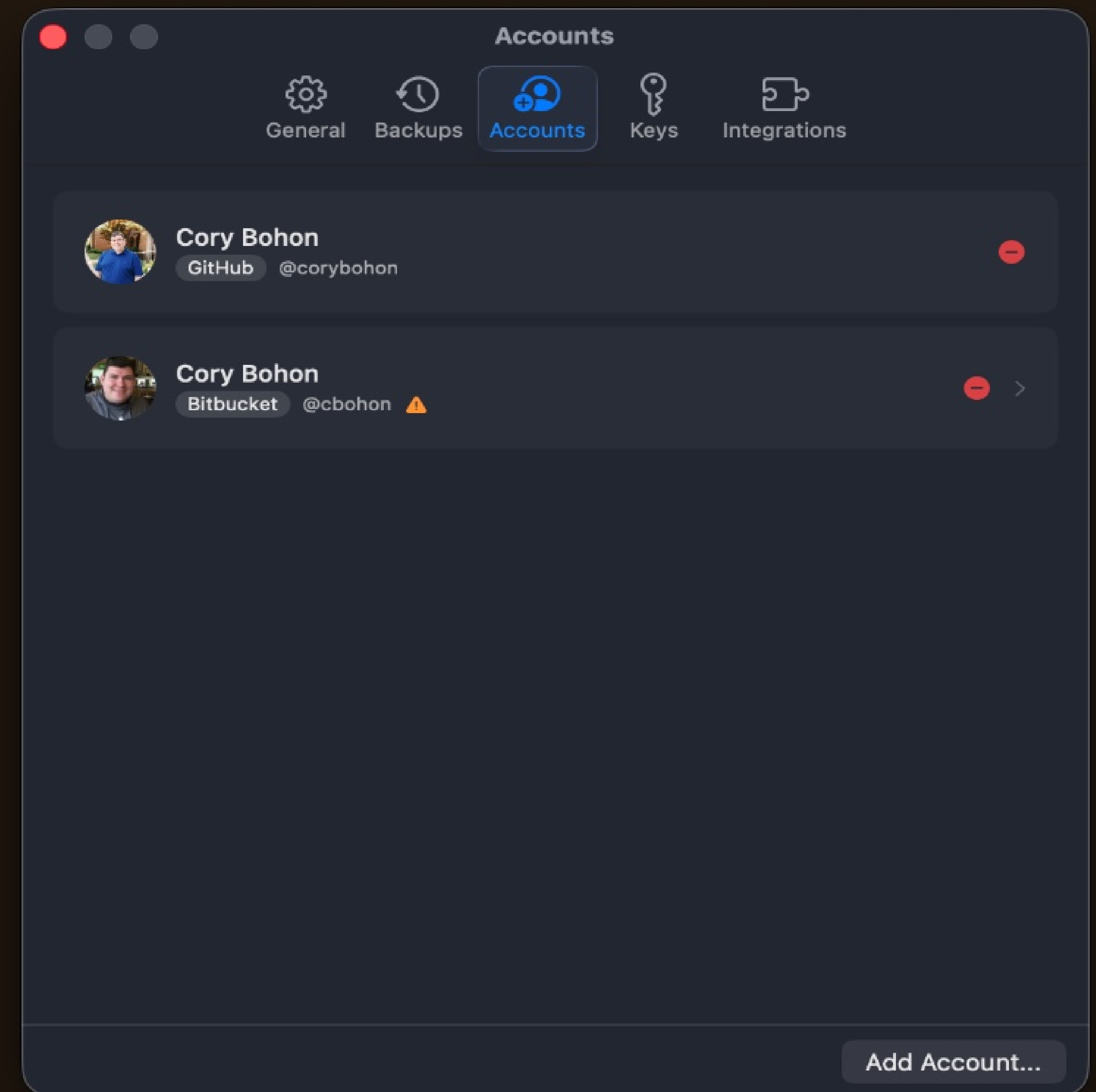
2. Open Accounts

3. Select "Add Account..."

4. Select Account Type

5. Sign in with OAuth provider

Please note that when configuring a BitBucket account, you must also provide an App-Specific Password in order for git mirroring to properly work for backing up repositories with a Bitbucket account. If you don't wish to provide an App-Specific password, you can also configure an SSH Key to work with Bitbucket. This configuration step is done after authenticating with your Bitbucket account OAuth.



TIP

Importing or Generating SSH Keys

Repo Man includes support out of the box for SSH Keys. It can import your existing private keys or generate its own keys to authenticate with Bitbucket for mirroring or when manually adding repositories for backup.

To add an SSH Key in Repo Man:

1. Open Settings
2. Open Keys
3. Select "Add Key..."
4. Select "Generate Key" or "Import Key"

Selecting Generate Key will walk you through creating a new public/private key value pair that will be stored in Keychain inside of Repo Man. You can export it by copying the public and private keys.

Importing your existing private key will allow you to authenticate with services that are already configured with that key inside of Repo Man.

02

Adding Repositories

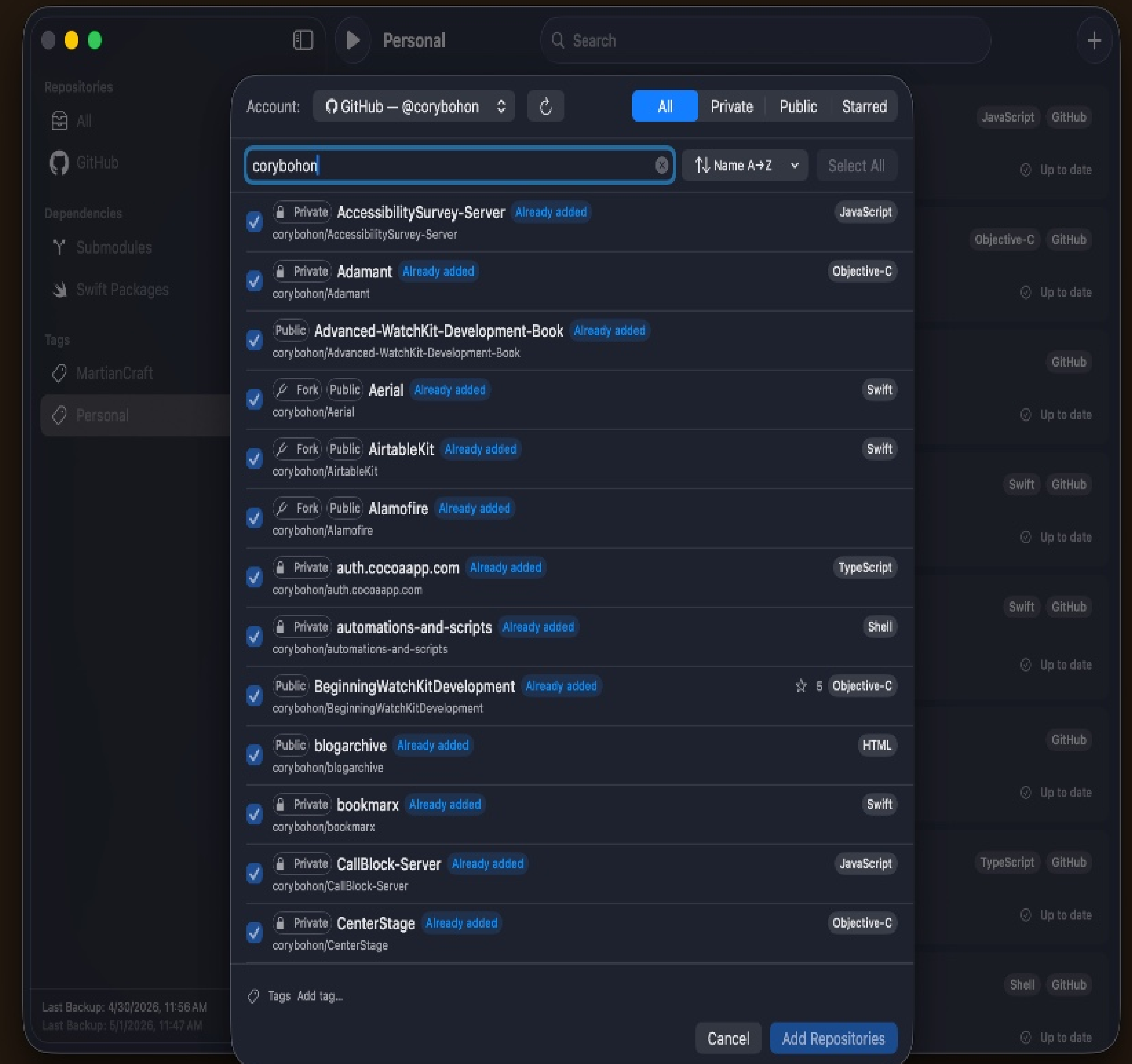
Select your repositories for backup

| Adding Repositories

By importing a repository from your GitHub, GitLab or Bitbucket account, the repo gets added to the backup schedule and will complete its first backup once added. You can do this via the Import Repo panel (by pressing Command + N) with the Repo Man app shown.

1. Open the Import Repo panel (Command + N or clicking "+")
2. Select a configured account from the "Accounts" drop-down
3. Filter with search or "All", "Public", "Private", or "Starred" types
4. Select which repositories to add
5. Optionally add a tag
6. Click "Add Repositories..."

Once you complete this process, the newly imported repository will complete its initial backup and will then follow the backup schedule that is setup in the Settings > Backups tab.

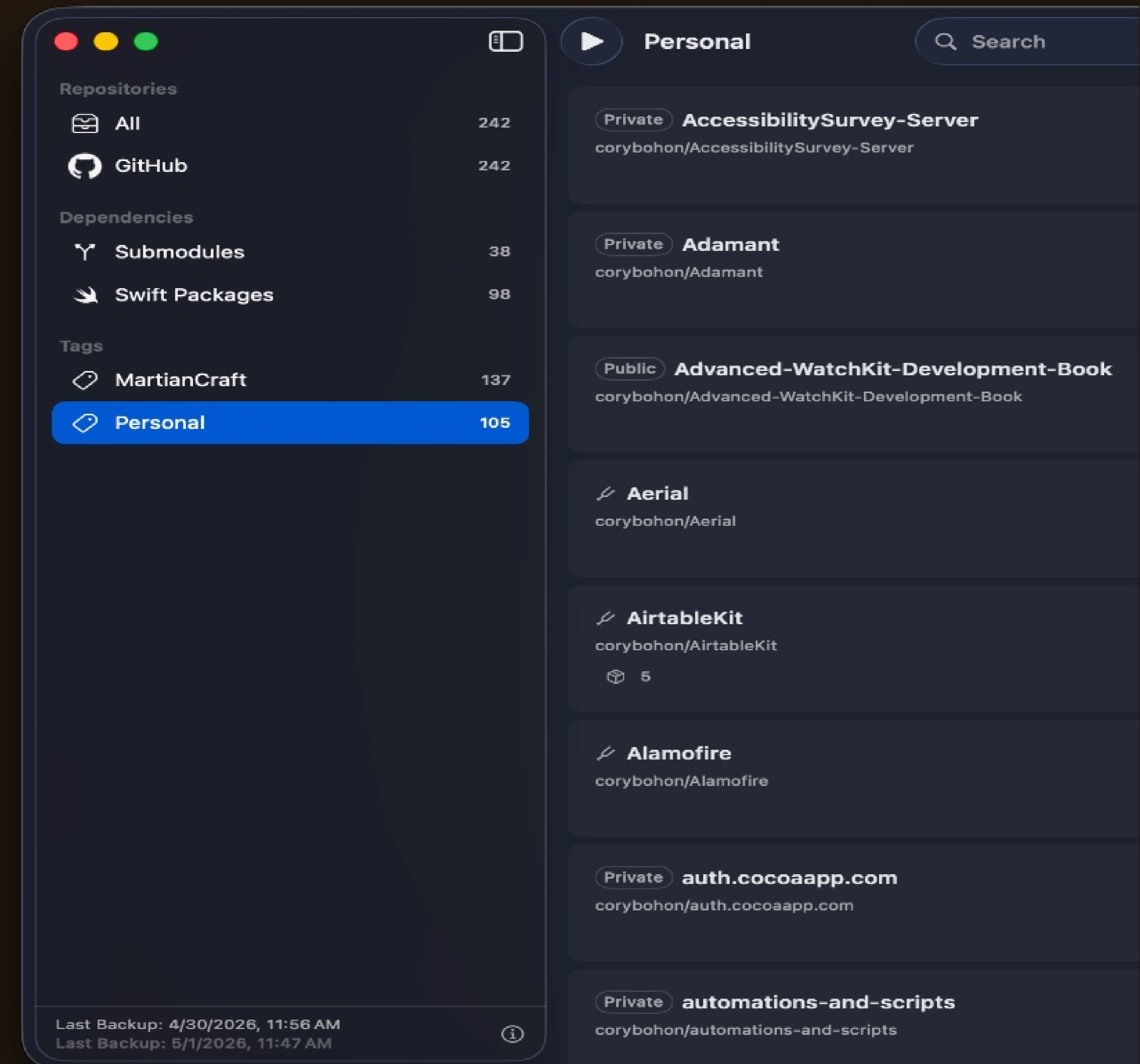


| Tagging

Tags allow for a logical and visual separation of repositories inside of Repo Man. They behave similar to a single level folder structure, but are more dynamic because they can be changed individually or in bulk.

→ Tags appear in the sidebar. Clicking a tag will show all repos tagged with that specific marker

→ Tags can be assigned when importing the repository into Repo Man or after the fact by right-clicking and selecting "Edit" on one or more repositories in the main window



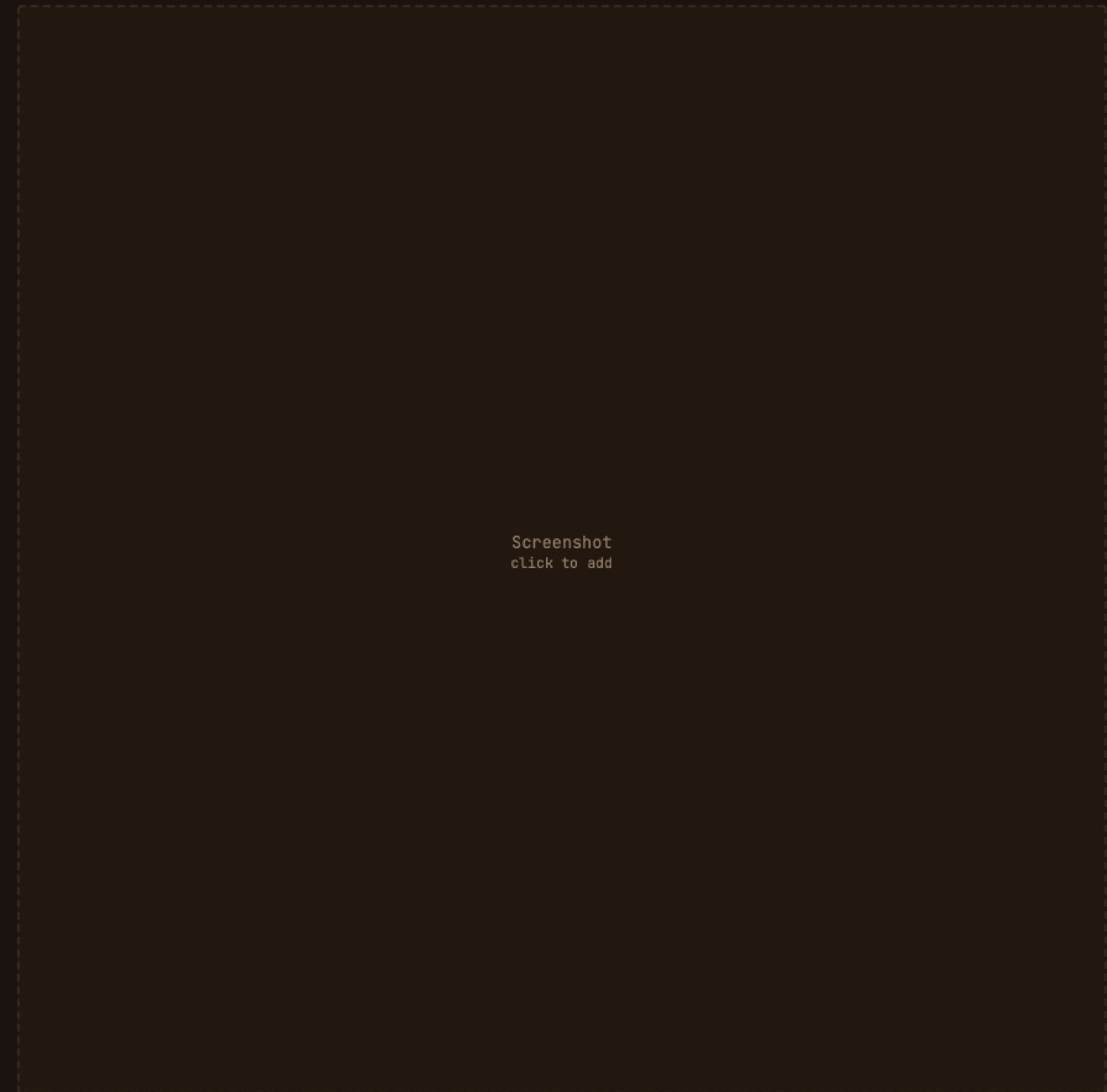
03

Performing Backups

Backup your repositories. Consistently.

|Manual Backup

If at any time you wish to perform a backup, you can do so by clicking the "Start" button in the main Repo Man window, by pressing Shift + Command + B, or by selecting "Backup Now" from the menu bar application.

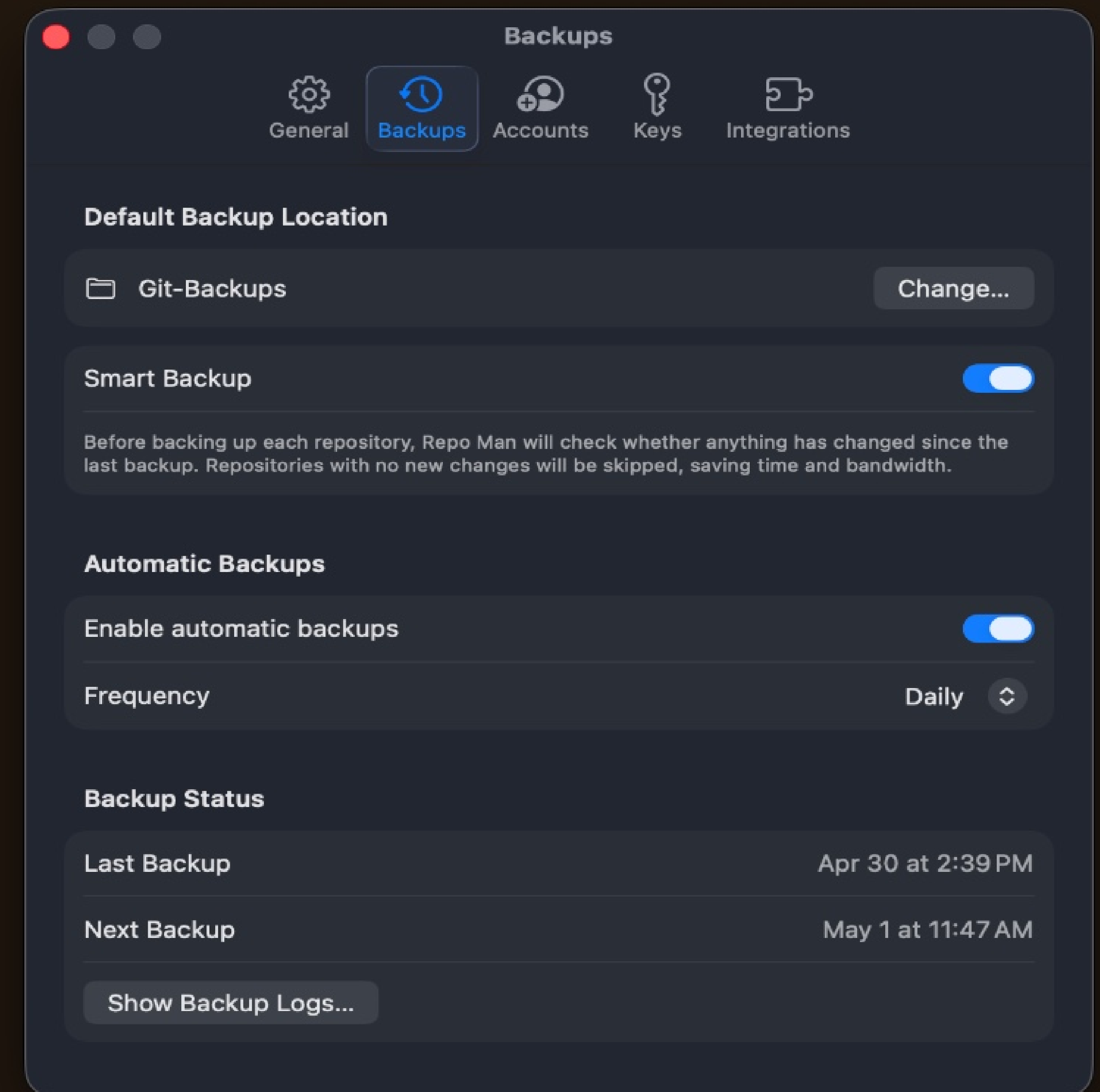


| *Automatic Backup*

You can configure Repo Man to automatically back up your repositories on a schedule so long as you keep the app running.

1. Open Settings > Backups
2. Enable the option for "automatic backups"
3. Set the frequency (Daily, Weekly, Monthly, or Custom schedule)

Backups will be performed at the schedule selected, with the next backup time displayed in settings, in the main Repo Man app status area, and in the Repo Man menu bar application.

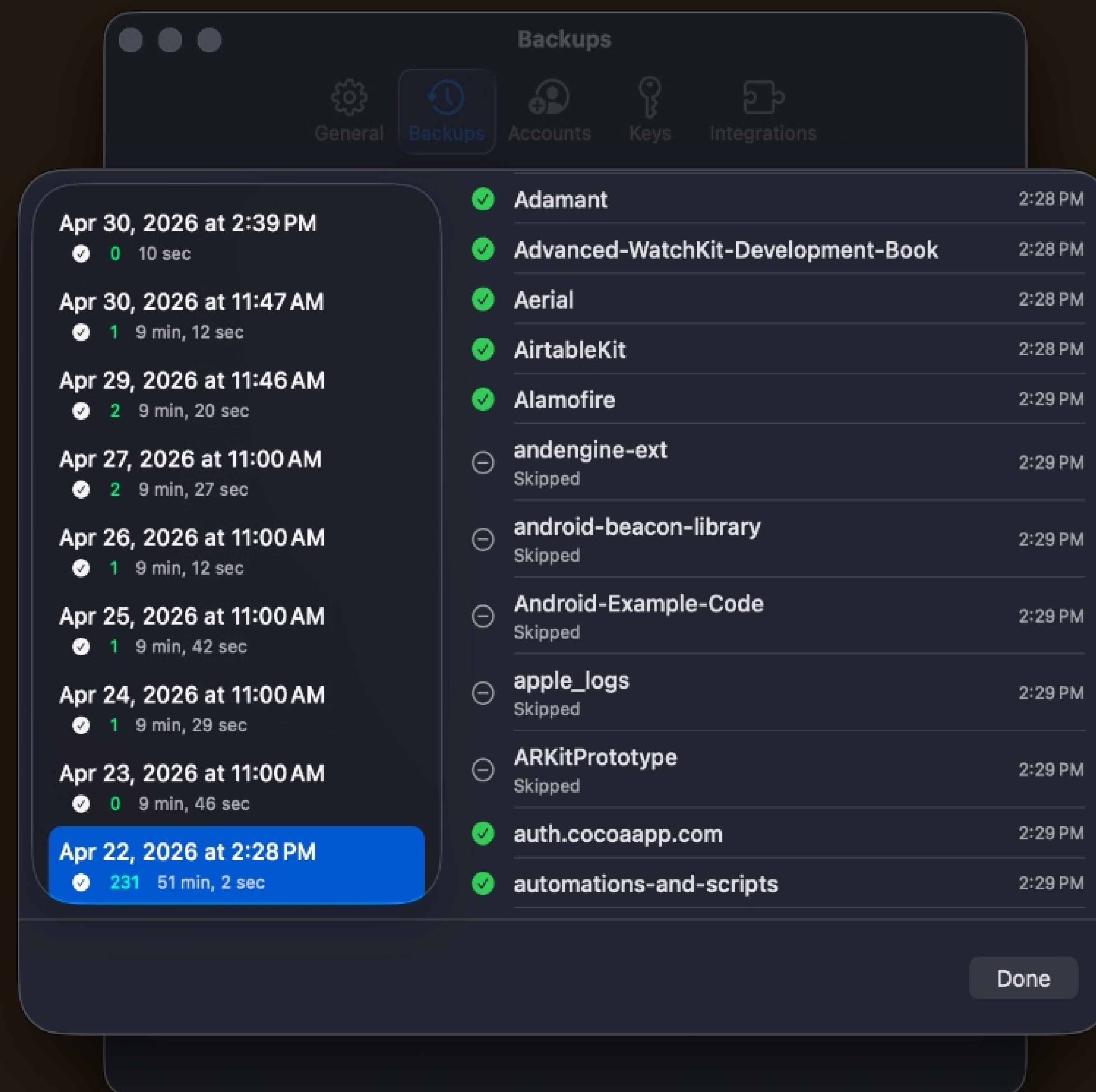


|Backup Logs

Every time a backup occurs, a full logging system captures which repositories were successfully backed up, which were skipped due to already having a backup, and which encountered errors. You can easily view these logs from within Repo Man.

1. Open Settings > Backups
2. Select "Show Backup Logs"

In the log viewer, you can see logs for the past 90 days, complete with how long the backup took, which repositories were backed up, and which were skipped and if any encountered errors during the backup process.



TIP

Smart Backups

For hosted repositories with GitHub, GitLab or Bitbucket, Repo Man can automatically detect if those have changes and skip if nothing new is available to back up. This feature can be changed in Settings > Backups by enabling the option called "Smart Backup."

When Smart Backup is enabled, only repositories with newer changes than what's on disk will be backed up to disk. Any repository with no changes will be marked as backed up and skipped for that backup session. This feature can save both time and bandwidth, ensuring only repositories with changes will be backed up.

With this feature disabled, every repository will automatically be backed up and mirrored each time.

04

Dependency Detection

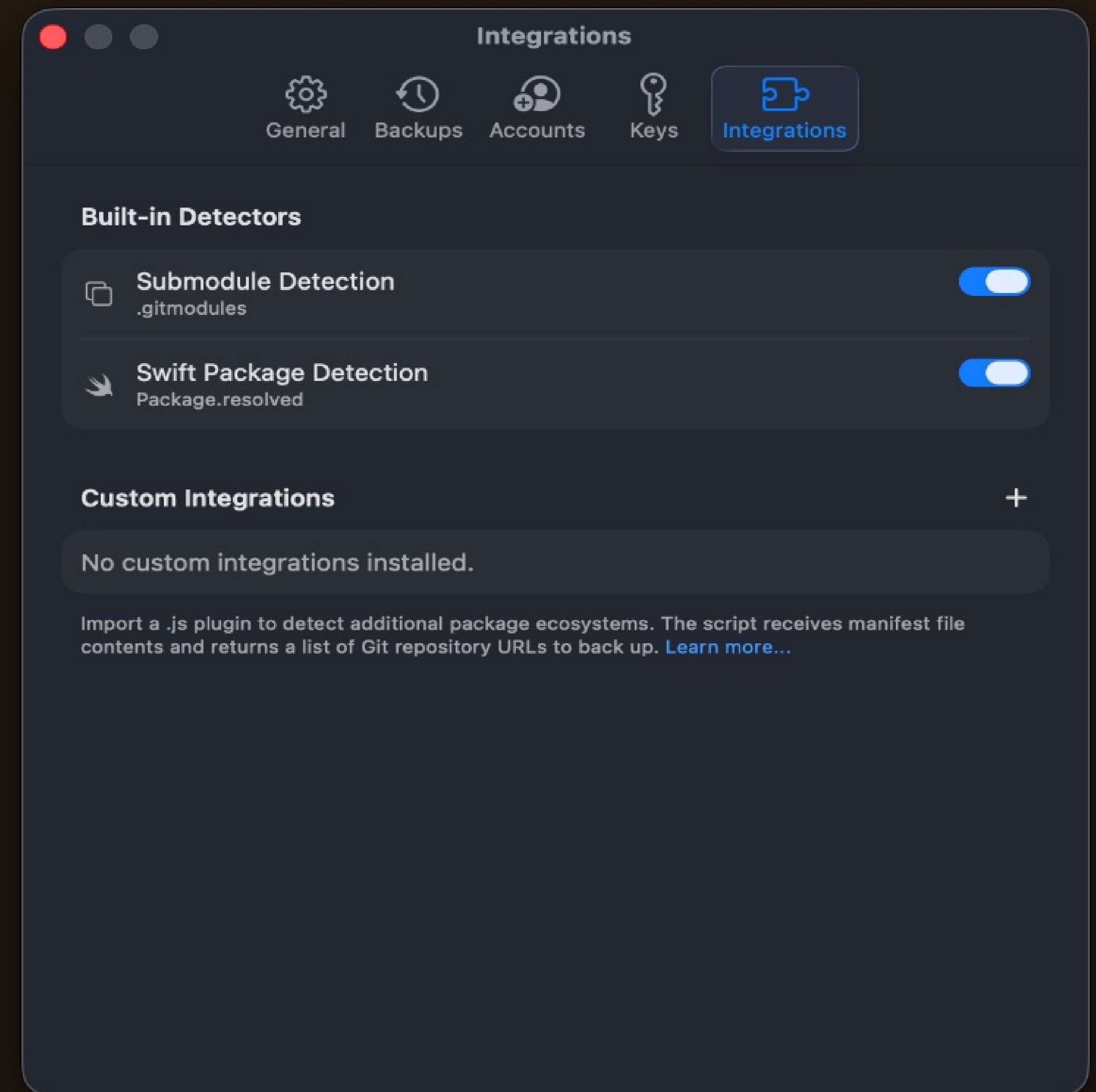
Automatically back up dependencies your code relies on.

Built-in Integrations

Ensuring that code dependencies are backed up is integral to ensuring that your entire codebase is backed up. Repo Man helps ensure all dependencies are also backed up with your repository each time.

These settings can be tweaked in Settings > Integrations.

- Submodule Detection — When enabled, all `.gitmodules` will automatically be mirrored when a backup of the host repository is performed.
- Swift Package Detection — Scans projects to see if a `Package.resolved` file is available and automatically mirrors any Swift Packages.
- Developer Integration — Build your own JavaScript plugin that can surface manifest files and automatically backup git repositories containing code that your projects rely on.





Personal

Search



Repositories



All

242



GitHub

242

Dependencies



Submodules

38



Swift Packages

98

Tags



MartianCraft

137



Personal

105

AccessibilitySurvey-Server
corybohon/AccessibilitySurvey-Server

Cancelled

Private

Adamant

corybohon/Adamant

Objective-C

GitHub

Cancelled

Public

Advanced-WatchKit-Development-Book

corybohon/Advanced-WatchKit-Development-Book

GitHub

Cancelled

Aerial

corybohon/Aerial

Swift

GitHub

Cancelled

AirtableKit

corybohon/AirtableKit

5

Swift

GitHub

Cancelled

TIP

Write Your Own Dependency Detectors

Repo Man has an extensive plugin architecture that lets you write a JavaScript plugin to explore manifest files and surface git URLs for backup and automatic pairing to the host repository inside of Repo Man.

Visit <https://developer.cocoaapp.com/repoman> for more information on how to build your own custom integrations for Repo Man to ensure that no code dependencies are left behind during the backup process.

05

Settings

A world of customization, at your fingertips.

SETTINGS

General Settings

- Startup Options, Launch At Login: Ensures that the application starts when your Mac does
- Startup Options, Hide from Dock: Allows the application to run in the background without showing the Dock icon
- View Options, Scroll to Current Backup: When enabled, the main user interface list will scroll user to the current repo being backed up
- Sort Options, Sort By: Configure how you sort the main repository list by Name, Type, Visibility, Status, Language, or Service
- Sort Options, Direction: Sort Ascending or Descending

SETTINGS

Backup Settings

- Default Backup Location: Change where on disk the backup should be storing data with each run
- Smart Backup (detailed above)
- Automatic Backups (detailed above)
- Backup status: Shows when the last backup and next backup will occur
- Show Backup Logs: Shows the current logging system

06

Troubleshooting

Houston, we have a problem that can be fixed.

TROUBLESHOOTING

Backups produce no data

Check the logs and the main app while running a backup. For each repository, a line will be included on the card with any specific errors that may occur for that repository.

If you're using BitBucket, ensure that App-Specific passwords or SSH Keys are defined in Settings > Accounts > Bitbucket.

If you're using SSH Keys, ensure that the key has been registered with your git service.

TROUBLESHOOTING

Where does my data go when I delete a repo in Repo Man?

Repo Man only writes to the backup destination configured in Settings > Backups. It will never delete data from that location.

When you remove a repository from the app, it will delete the app and any dependencies linked to the app from the Repo Man app, leaving the data at the backup destination. It's up to you to clean up that backup destination folder.

When you remove an integration plugin (e.g. CocoaPods plugin) that previously backed up its data to the backup destination, the data will still be in the backup destination folder, but the integration will be deleted in the Repo Man app and not be visible as a dependency any longer.

Thanks for using

Repo Man

Questions? We read every email.

support@cocoaapp.com