AutoSplit Plugin

Bacula Systems Documentation

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Note

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Enterprise

Bacula Enterprise Only

This solution is **only** available for Bacula Enterprise. For subscription inquiries, please reach out to sales@baculasystems.com.

To use the AutoSplit Plugin, install the `bacula-enterprise-autosplit-plugin` package.

The following chapter aims at explaining how to use the AutoSplit FileDaemon Plugin with Bacula Enterprise. The AutoSplit Plugin can be used to automatically manage file servers with a large number of directories. When used together with the Scan Plugin, Bacula will create Job and Fileset pairs for each subdirectory within a specified top-level directory. This allows Bacula to run multiple concurrent jobs and speed up the backup of a large file server.

```
/home/
/home/johndoe
/home/johnsmith
/home/homers
/home/marges
/home/barts
/home/clarkk
```

In the example above, if the AutoSplit Plugin is configured with `root=/home`, the Scan Plugin will generate six Jobs and six Filesets corresponding to the six subdirectories.

Some directories are automatically excluded, such as:

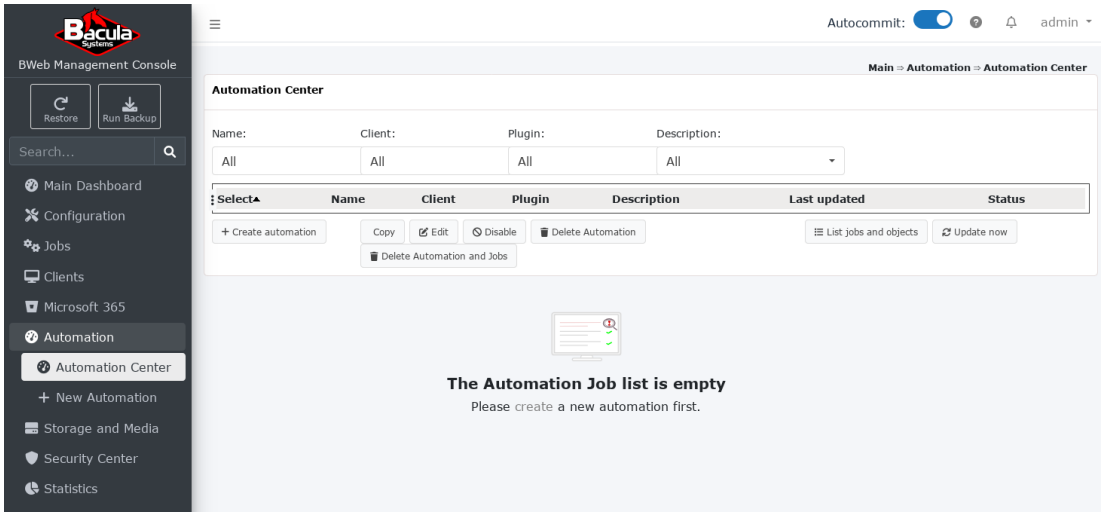
```
/proc
/sys
lost+found
```

The AutoSplit Plugin does not handle files located in the specified top-level directory defined by the `root=` parameter. It creates Job and Fileset pairs only for directories. If there are files in the specified directory, you must manually create a specific Job/Fileset pair to back these files up:

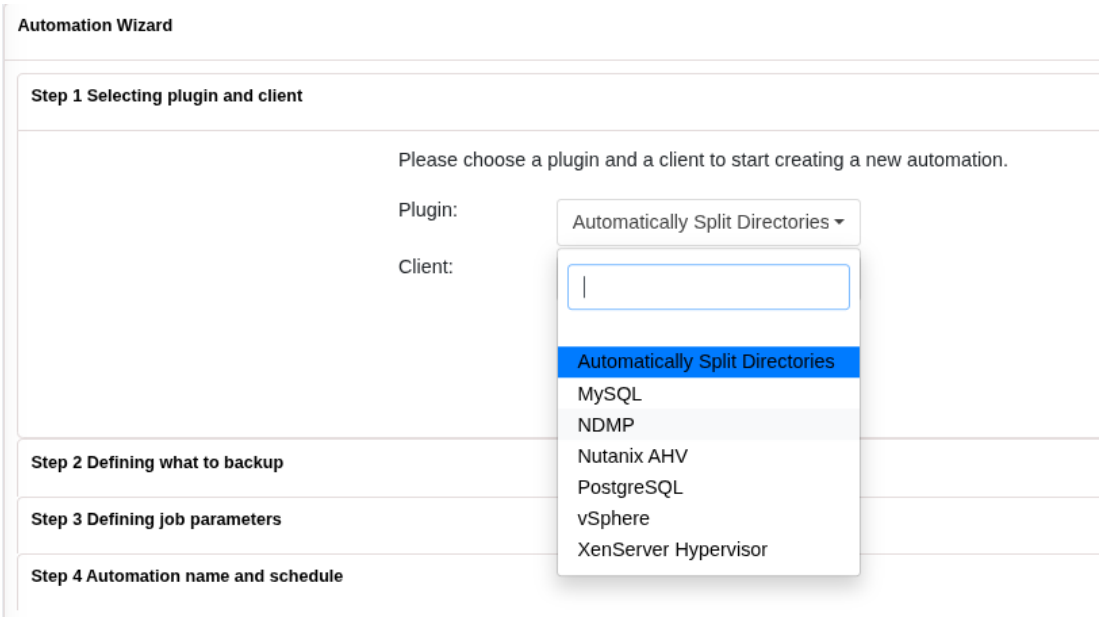

```
Fileset {
            Name = F_fileset1
            Include {
                    Options {
                            Compress = ZSTD
                            Signature = SHA256
                            recurse = no          # Will not save␣
↪directories, and will not recurse
                    }
                    File = /home                   # root directory
            }
    }
```

To use the AutoSplit Plugin with the BWeb Automation Center:

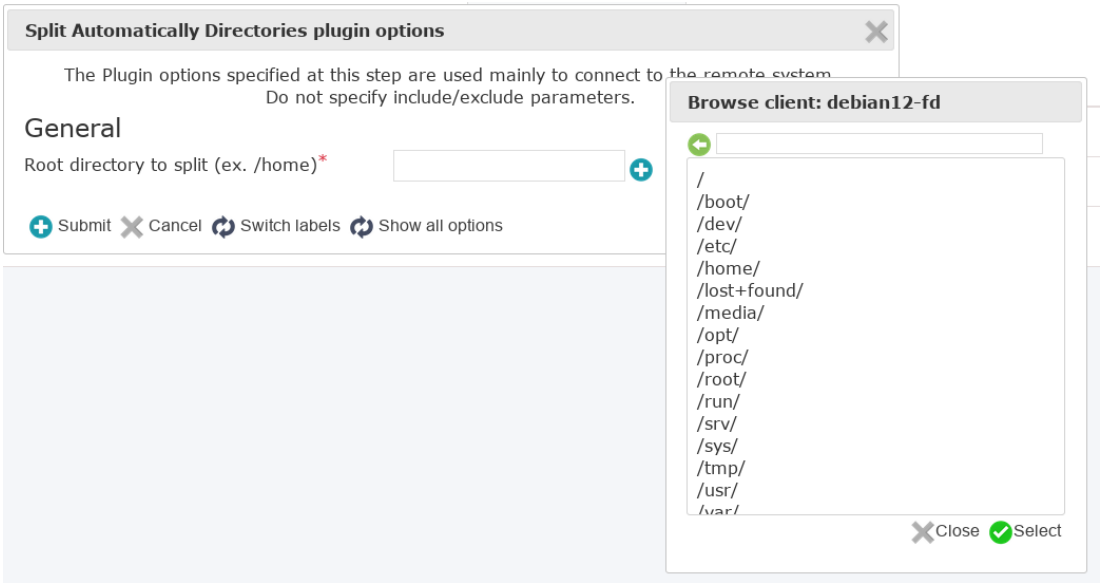
1. Click on the Automation Center link in the left navigation bar.



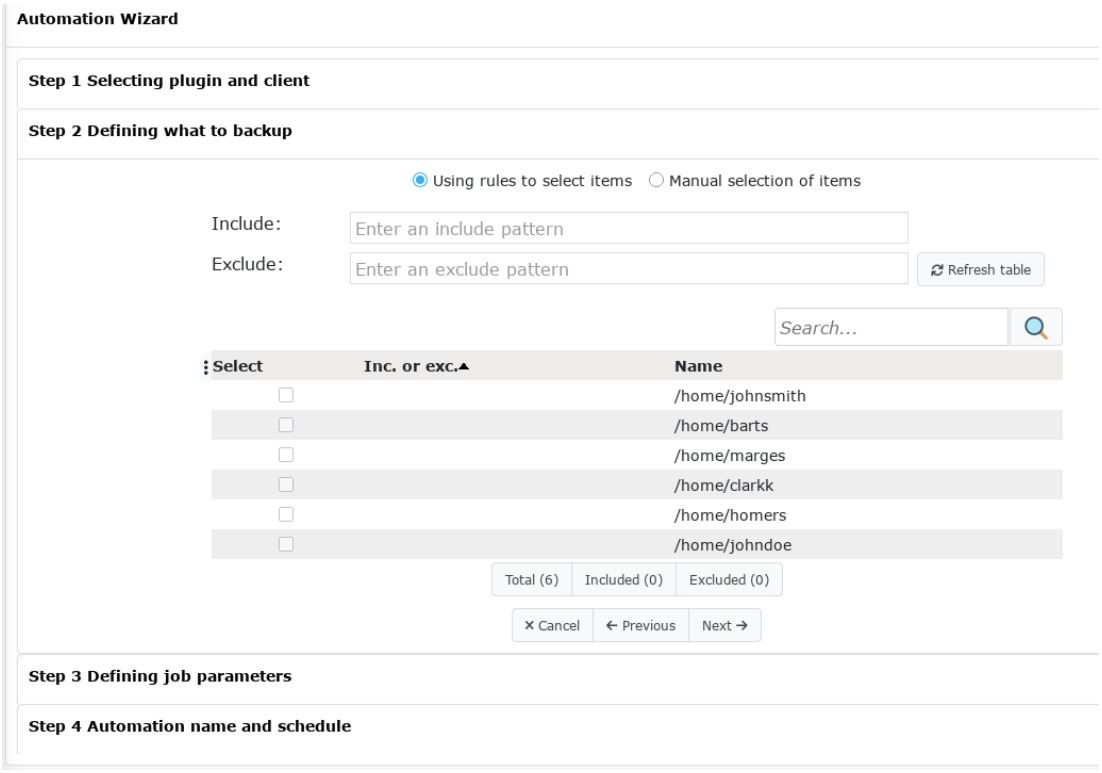
2. Create a new automation, select your client and choose the “Automatically Split Directory” plugin.



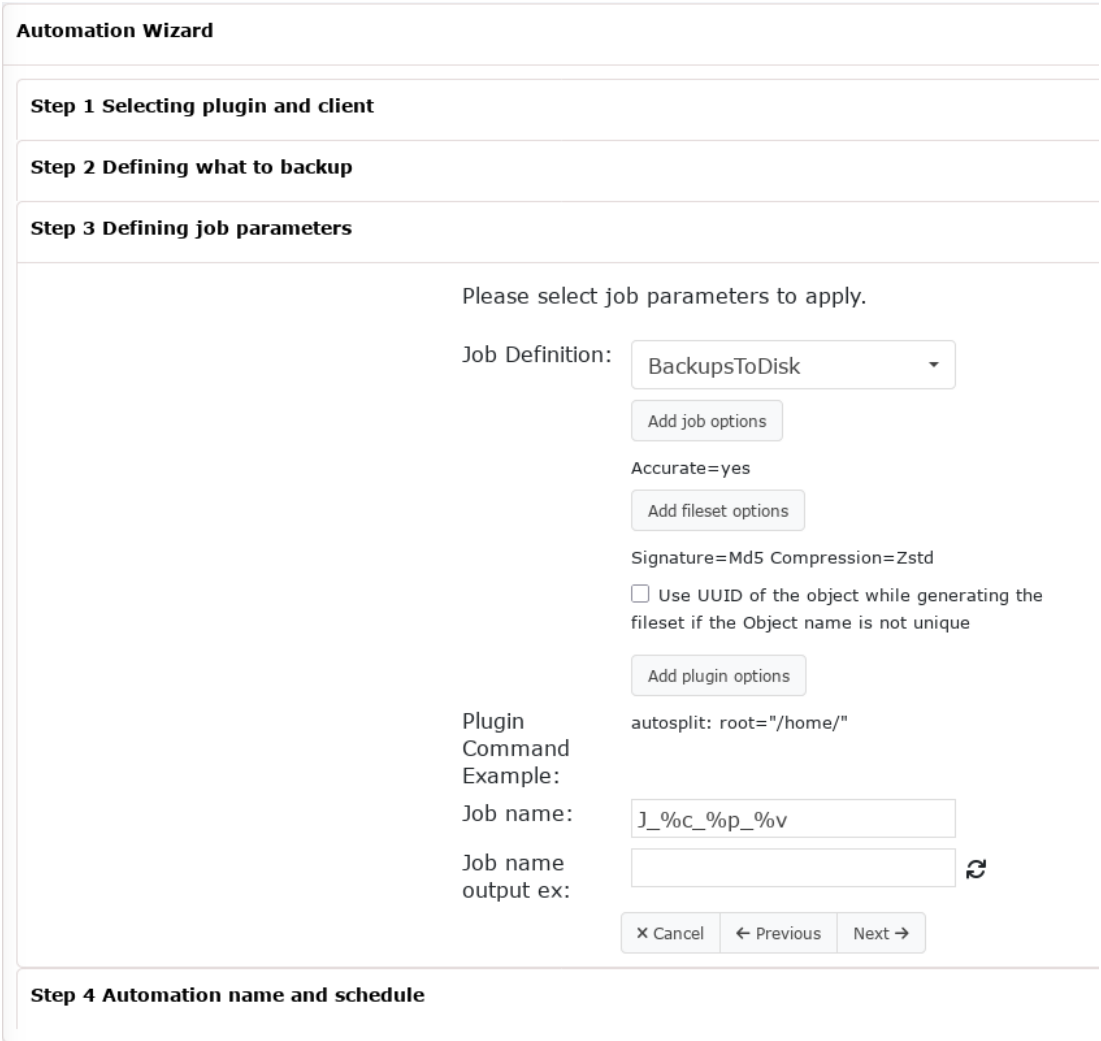
3. Configure options for this plugin and assign the top-level root directory. You can either type the path manually or browse to find the directory. If the directory tree is large, typing the path directly may be easier than navigating through an extensive directory structure.



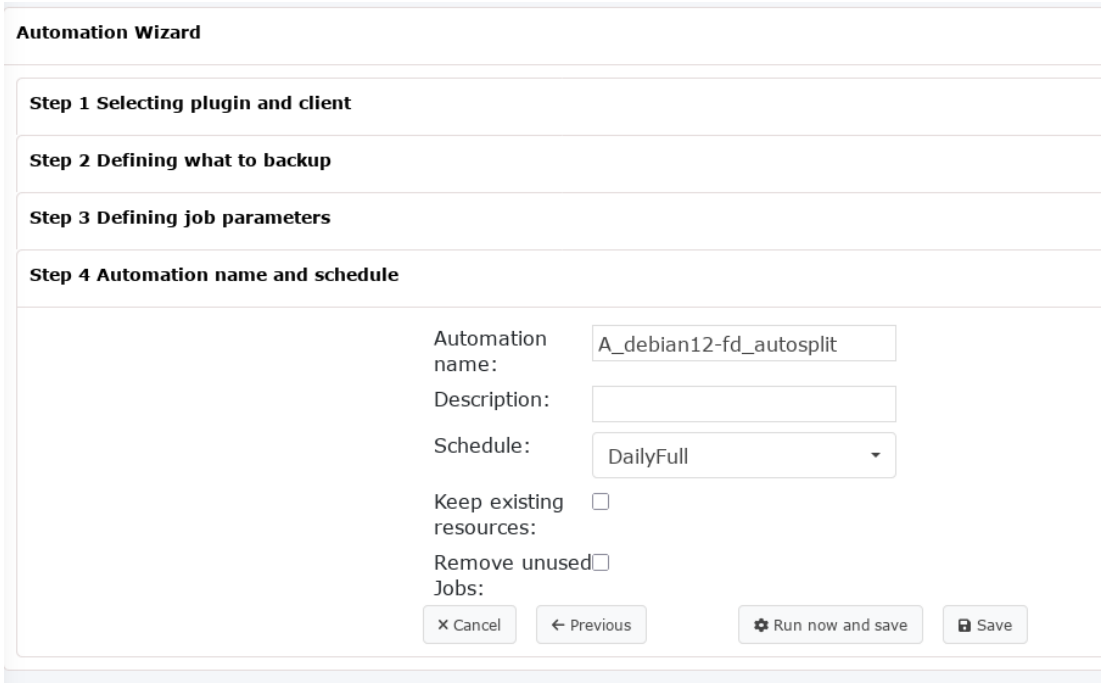
4. A table displays the list of detected subdirectories. Review the list, then click **Next** to create the resources.



5. Select a JobDefs resource, configure the Job options (Accurate mode, Storage, Pool, etc.), set the Fileset options (compression, signature), and choose a template name.



6. Create the automation admin job. This job automatically updates the Job and Fileset pairs whenever directories are created or deleted.



7. Run the automation job. The list of created Job resources should correspond to the subdirectories present in the top-level directory defined by the `root=` parameter.

```
2025-09-11 16:25:55 debian12-dir JobId 2: shell command: run BeforeJob "/opt/bacula/bin/scan_plugin --json_conf_file '
2025-09-11 16:25:56 debian12-dir JobId 2: BeforeJob:
2025-09-11 16:25:56 debian12-dir JobId 2: BeforeJob: Report for scan_plugin 0.8 debian12-fd-autosplit-1757600753
2025-09-11 16:25:56 debian12-dir JobId 2: BeforeJob: ------------------------------------------------
2025-09-11 16:25:56 debian12-dir JobId 2: BeforeJob: Client:         debian12-fd
2025-09-11 16:25:56 debian12-dir JobId 2: BeforeJob: Plugin:         autosplit
2025-09-11 16:25:56 debian12-dir JobId 2: BeforeJob: Objects Added:  6
2025-09-11 16:25:56 debian12-dir JobId 2: BeforeJob: ------------------------------------------------
2025-09-11 16:25:56 debian12-dir JobId 2: BeforeJob:  ~ updated, = kept, + added, X removed, D disabled
2025-09-11 16:25:56 debian12-dir JobId 2: BeforeJob: ------------------------------------------------
2025-09-11 16:25:56 debian12-dir JobId 2: BeforeJob:  + J_debian12-fd_autosplit__home_clarkk
2025-09-11 16:25:56 debian12-dir JobId 2: BeforeJob:  + J_debian12-fd_autosplit__home_homers
2025-09-11 16:25:56 debian12-dir JobId 2: BeforeJob:  + J_debian12-fd_autosplit__home_marges
2025-09-11 16:25:56 debian12-dir JobId 2: BeforeJob:  + J_debian12-fd_autosplit__home_barts
2025-09-11 16:25:56 debian12-dir JobId 2: BeforeJob:  + J_debian12-fd_autosplit__home_johndoe
2025-09-11 16:25:56 debian12-dir JobId 2: BeforeJob:  + J_debian12-fd_autosplit__home_johnsmith
2025-09-11 16:25:56 debian12-dir JobId 2: BeforeJob:
2025-09-11 16:25:56 debian12-dir JobId 2: BeforeJob: ------------------------------------------------
2025-09-11 16:25:56 debian12-dir JobId 2: BeforeJob: Status: Configuration applied and reloaded
2025-09-11 16:25:56 debian12-dir JobId 2: Start Admin JobId 2, Job=A_debian12-fd_autosplit.2025-09-11_16.25.53_37
2025-09-11 16:25:56 debian12-dir JobId 2: Bacula 18.2.0 (11Sep25): 11-Sep-2025 16:25:56
  JobId:                  2
  Job:                    A_debian12-fd_autosplit.2025-09-11_16.25.53_37
  Scheduled time:         11-Sep-2025 16:25:53
  Start time:             11-Sep-2025 16:25:56
  End time:               11-Sep-2025 16:25:56
  Termination:            Admin OK
```

