

# rsync Configuration Utility

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## *Milestone 2*

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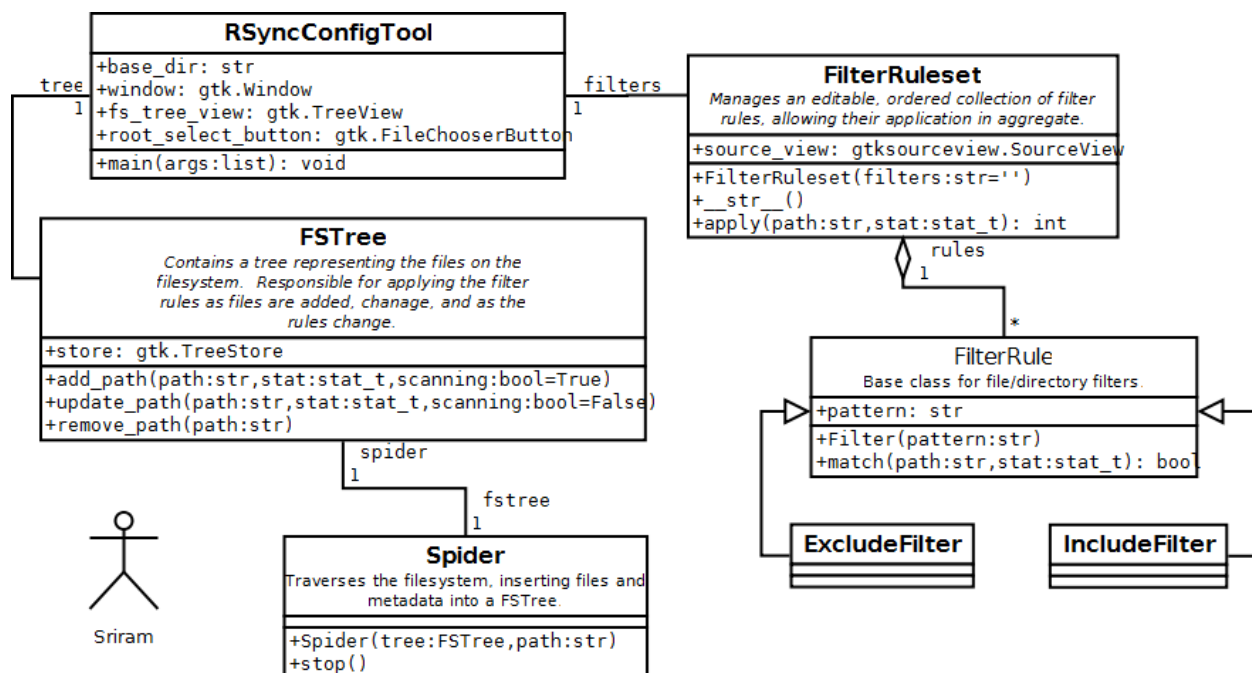
## 1 Architecture Description

There are two separate subsystems represented in the class diagram below.

1. The directory tree spidering subsystem, represented by the FSTree and Spider classes, is responsible for creating and maintaining a gtk.TreeStore instance containing the current files and directories within the transfer root the user has selected.
2. The filter subsystem is responsible for maintaining an interactive, editable view of an rsync filter file and allowing the top-level GUI to get the results of applying the filters. This is done by the FilterRuleset class, which maintains a list of FilterRule instances. Subclasses of FilterRule provide additional display functionality (the details of this have not yet been worked out).

In control of these subsystems is the RSyncConfigTool class, which is responsible for the rest of the GUI interaction (mainly selection of the source director and opening/saving/closing filter files).

## 2 Class Diagram



## 3 Timeline

The table below outlines the features that will be completed by the end of the specified week.

Week	Feature
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5	Class diagram/architecture description
6	Filter matching/spider implementation
Break	
7	FSTree implementation and GUI Framework
8	GTK+ GUI
9	Editable filter sets implementation
10	Completed project/presentations