NAME

Mail::Box::Search::SpamAssassin − select spam messages with Mail::SpamAssassin

INHERITANCE

```
 Mail::Box::Search::SpamAssassin
   is a Mail::Box::Search
   is a Mail::Reporter
```

SYNOPSIS

```
 use Mail::Box::Manager;
 my $mgr    = Mail::Box::Manager−>new;
 my $folder = $mgr−>open('Inbox');

 my $spam = Mail::Box::Search::SpamAssassin−>new;
 if($spam−>search($message)) {...}

 my @msgs   = $filter−>search($folder);
 foreach my $msg ($folder−>messages)
 {   $msg−>delete if $msg−>label('spam');
 }

 my $spam2 = Mail::Box::Search::SpamAssassin
               −>new(deliver => 'DELETE');
 $spam2−>search($folder);
 $mgr−>moveMessages($spamfolder, $folder−>messages('spam'));
```

DESCRIPTION

Spam means ‘‘unsollicited e−mail’’, and is as name derived from a Monty Python scatch. Although Monty Python is fun, spam is a pain: it needlessly spoils minutes of time from most people: telephone bills, overful mailboxes which block honest e−mail, and accidentally removal of honest e−mail which looks like spam. Spam is the pest of Internet.

Happily, Mail::Box can be used as spam filter, in combination with the useful Mail::SpamAssassin module (which must be installed separately). Each message which is searched is wrapped in a Mail::Message::Wrapper::SpamAssassin object.

The spam-assassin module version 2 is not really well adapted for Mail::Message objects, which will make this search even slower than spam-detection already is.

Extends ‘‘DESCRIPTION’’ in Mail::Box::Search.

METHODS

Extends ‘‘METHODS’’ in Mail::Box::Search.

Constructors

Extends ‘‘Constructors’’ in Mail::Box::Search.

Mail::Box::Search::SpamAssassin−>**new**(%options)

Create a spam filter. Internally, a Mail::SpamAssassin object is maintained.

Only the whole message can be searched; this is a limitation of the Mail::SpamAssassin module.

```
 −Option       −−Defined in       −−Default
  binaries       Mail::Box::Search  <false>
  decode         Mail::Box::Search  <true>
  delayed        Mail::Box::Search  <true>
  deleted        Mail::Box::Search  <false>
  deliver        Mail::Box::Search  undef
  in             Mail::Box::Search  'MESSAGE'
  label                             c<'spam'>
  limit          Mail::Box::Search  0
  log            Mail::Reporter     'WARNINGS'
  logical        Mail::Box::Search  'REPLACE'
  multiparts     Mail::Box::Search  <true>
  rewrite_mail                      <true>
  sa_options                        { }
  spam_assassin                     undef
  trace          Mail::Reporter     'WARNINGS'
```

binaries => BOOLEAN
decode => BOOLEAN
delayed => BOOLEAN
deleted => BOOLEAN
deliver => undef|CODE|’DELETE’
in => ’HEAD’|’BODY’|’MESSAGE’
label => STRING|undef

Mark all selected message with the specified STRING. If this option is explicitly set to `undef`, the label will not be set.

limit => NUMBER
log => LEVEL
logical => ’REPLACE’|’AND’|’OR’|’NOT’|’AND NOT’|’OR NOT’
multiparts => BOOLEAN
rewrite_mail => BOOLEAN

Add lines to the message header describing the results of the spam scan. See Mail::SpamAssassin::PerMsgStatus subroutine rewrite_mail.

sa_options => HASH

Options to create the internal Mail::SpamAssassin object; see its manual page for the available options. Other setting may be provided via SpamAssassins configuration file mechanism, which is explained in Mail::SpamAssassin::Conf.

spam_assassin => OBJECT

Provide a Mail::SpamAssassin object to be used for searching spam. If none is specified, one is created internally. The object can be retrieved with **assassinator()**.

trace => LEVEL

example:

```
 my $filter = Mail::Box::Search::SpamAssassin
               −>new( found => 'DELETE' );
```

Searching

Extends “Searching” in Mail::Box::Search.

`$obj`−>**assassinator**()

Returns the internally maintained assassinator object. You may want to reach this object for complex configuration.

`$obj`−>**inBody**($part, `$body`)
Inherited, see ‘‘Searching’’ in Mail::Box::Search

`$obj`−>**inHead**($part, `$head`)
Inherited, see ‘‘Searching’’ in Mail::Box::Search

`$obj`−>**search**($folder|$thread|$message|ARRAY)
Inherited, see ‘‘Searching’’ in Mail::Box::Search

`$obj`−>**searchPart**($part)
Inherited, see ‘‘Searching’’ in Mail::Box::Search

The Results

Extends ‘‘The Results’’ in Mail::Box::Search.

`$obj`−>**printMatch**([$fh], HASH)
Inherited, see ‘‘The Results’’ in Mail::Box::Search

Error handling

Extends ‘‘Error handling’’ in Mail::Box::Search.

`$obj`−>**AUTOLOAD**()
Inherited, see ‘‘Error handling’’ in Mail::Reporter

`$obj`−>**addReport**($object)
Inherited, see ‘‘Error handling’’ in Mail::Reporter

`$obj`−>**defaultTrace**([$level]|[$loglevel, `$tracelevel`]|[$level, `$callback`])
Mail::Box::Search::SpamAssassin−>**defaultTrace**([$level]|[$loglevel, `$tracelevel`]|[$level, `$callback`])
Inherited, see ‘‘Error handling’’ in Mail::Reporter

`$obj`−>**errors**()
Inherited, see ‘‘Error handling’’ in Mail::Reporter

`$obj`−>**log**([$level, [$strings]])
Mail::Box::Search::SpamAssassin−>**log**([$level, [$strings]])
Inherited, see ‘‘Error handling’’ in Mail::Reporter

`$obj`−>**logPriority**($level)
Mail::Box::Search::SpamAssassin−>**logPriority**($level)
Inherited, see ‘‘Error handling’’ in Mail::Reporter

`$obj`−>**logSettings**()
Inherited, see ‘‘Error handling’’ in Mail::Reporter

`$obj`−>**notImplemented**()
Inherited, see ‘‘Error handling’’ in Mail::Reporter

`$obj`−>**report**([$level])
Inherited, see ‘‘Error handling’’ in Mail::Reporter

`$obj`−>**reportAll**([$level])
Inherited, see ‘‘Error handling’’ in Mail::Reporter

`$obj`−>**trace**([$level])
Inherited, see ‘‘Error handling’’ in Mail::Reporter

`$obj`−>**warnings**()
Inherited, see ‘‘Error handling’’ in Mail::Reporter

Cleanup

Extends ‘‘Cleanup’’ in Mail::Box::Search.

`$obj->`**DESTROY**()

Inherited, see ‘‘Cleanup’’ in Mail::Reporter

DIAGNOSTICS

Error: Package `$package` does not implement `$method`.

Fatal error: the specific package (or one of its superclasses) does not implement this method where it should. This message means that some other related classes do implement this method however the class at hand does not. Probably you should investigate this and probably inform the author of the package.

SEE ALSO

This module is part of Mail-Box distribution version 3.009, built on August 18, 2020. Website: *http://perl.overmeer.net/CPAN/*

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