

WhiteListSubjectPlugin

The `WhiteListSubject` Plugin

This `SpamAssassin` plugin module provides eval tests for whitelisting and blacklisting particular strings in the Subject header. The value for `whitelist_from` or `blacklist_from` is a pseudo regular expression similar to how `whitelist_from`, etc works, see the SA configuration documentation for more information.

Code

Add the following to your `local.cf` file:

```
loadplugin Mail::SpamAssassin::Plugin::WhiteListSubject [/path/to/WhiteListSubject.pm]

header SUBJECT_IN_WHITELIST eval:check_subject_in_whitelist()
describe SUBJECT_IN_WHITELIST Subject header is in user's white-list

header SUBJECT_IN_BLACKLIST eval:check_subject_in_blacklist()
describe SUBJECT_IN_BLACKLIST Subject header is in user's black-list

score SUBJECT_IN_WHITELIST -100
score SUBJECT_IN_BLACKLIST 100
```

Then the following in either the `local.cf` or `user_prefs` file:

```
whitelist_subject [Bug *]
blacklist_subject Make Money Fast
```

WhiteListSubject.pm:

```
=head1 NAME

Mail::SpamAssassin::Plugin::WhiteListSubject

=head1 SYNOPSIS

loadplugin Mail::SpamAssassin::Plugin::WhiteListSubject [/path/to/WhiteListSubject.pm]

header SUBJECT_IN_WHITELIST eval:check_subject_in_whitelist()
describe SUBJECT_IN_WHITELIST Subject header is in user's white-list

header SUBJECT_IN_BLACKLIST eval:check_subject_in_blacklist()
describe SUBJECT_IN_BLACKLIST Subject header is in user's black-list

score SUBJECT_IN_WHITELIST -100
score SUBJECT_IN_BLACKLIST 100

whitelist_subject [Bug *]
blacklist_subject Make Money Fast

=head1 DESCRIPTION

This SpamAssassin plugin module provides eval tests for whitelisting and blacklisting particular
strings in the Subject header. The value for whitelist_from or blacklist_from is a pseudo
regular expression similar to how whitelist_from, etc works, see the SA configuration documentation
for more information.

=head1 AUTHOR

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```

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=cut

```
package Mail::SpamAssassin::Plugin::WhiteListSubject;
```

```
use Mail::SpamAssassin::Plugin;
use strict;
use warnings;
use bytes;
```

```
use vars qw(@ISA);
@ISA = qw(Mail::SpamAssassin::Plugin);
```

```
# constructor: register the eval rule
```

```
sub new {
    my $class = shift;
    my $mailsobject = shift;

    $class = ref($class) || $class;
    my $self = $class->SUPER::new($mailsobject);
    bless ($self, $class);

    $self->register_eval_rule ("check_subject_in_whitelist");
    $self->register_eval_rule ("check_subject_in_blacklist");
}
```

```
$self->set_config($mailsobject->{conf});
```

```
    return $self;
```

```
}
sub set_config {
    my ($self, $conf) = @_;
```

```
    my @cmds = ();
```

```
    push(@cmds, {
        setting => 'whitelist_subject',
        code => sub {
            my ($self, $key, $value, $line) = @_;

            $value = lc $value;
            my $re = $value;
            $re =~ s/[\000\\(\)/_]/gs;
            $re =~ s/([^\*\?_a-zA-Z0-9])/\\$1/g;
            $re =~ tr/?/./;
            $re =~ s/\*/\./g;
            $conf->{$key}->{$value} = ${re};
        }
    });
```

```
# paranoia
# escape any possible metachars
# "?" -> "."
# "*" -> "any string"
```

```
    push(@cmds, {
        setting => 'blacklist_subject',
        code => sub {
            my ($self, $key, $value, $line) = @_;

            $value = lc $value;
            my $re = $value;
            $re =~ s/[\000\\(\)/_]/gs;
            $re =~ s/([^\*\?_a-zA-Z0-9])/\\$1/g;
            $re =~ tr/?/./;
            $re =~ s/\*/\./g;
            $conf->{$key}->{$value} = ${re};
        }
    });
```

```
# paranoia
# escape any possible metachars
# "?" -> "."
# "*" -> "any string"
```

```

    $conf->{parser}->register_commands(\@cmds);
}

sub check_subject_in_whitelist {
    my ($self, $permsgstatus) = @_;

    my $subject = $permsgstatus->get('Subject');

    return 0 unless $subject;

    return $self->_check_subject($permsgstatus->{conf}->{whitelist_subject}, $subject);
}

sub check_subject_in_blacklist {
    my ($self, $permsgstatus) = @_;

    my $subject = $permsgstatus->get('Subject');

    return 0 unless $subject;

    return $self->_check_subject($permsgstatus->{conf}->{blacklist_subject}, $subject);
}

sub _check_subject {
    my ($self, $list, $subject) = @_;

    $subject = lc $subject;

    return 1 if defined($list->{$subject});

    study $subject;
    foreach my $regexp (values %{$list}) {
        if ($subject =~ qr/$regexp/i) {
            return 1;
        }
    }

    return 0;
}

1;

```

How To Use It

Add the above configuration to your local.cf file.